



2020 年米国大統領選挙期間における 正副大統領候補のツイート分析： 機械学習手法を用いたトピック抽出

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（要旨）

機械学習手法を用いて、大統領選挙前の約 2 カ月間におけるトランプ氏、ペンス氏、バイデン氏、ハリス氏の 4 者のツイート内容からトピックを抽出した結果、以下を得た。

1. トランプ氏では抽出されなかった宗教保守派を念頭においたトピックがペンス氏のトピックとして出現したり、バイデン氏ではうまく抽出できなかった環境政策がハリス氏のトピックとして見て取れたりし、大統領候補と副大統領候補との間で一定の補完関係にあることが分かった。また、4 者とも国内政策のトピックが中心で、日本を含め、対外政策に関するトピックはほとんど抽出されなかった。
2. トランプ氏のツイートの特徴は、他者への非難・攻撃と、自身の政権における業績、そして支持層へのアピールとして人工中絶反対や、米国憲法第二修正（国民に武器保有を認める権利）擁護、法と秩序、安全保障を取り上げていたことである。
3. ペンス氏のツイートには、激戦州を含む一部州での選挙活動や、福音派としての宗教的価値観（特に人工妊娠中絶の反対）、エネルギー産業推進・環境保護政策批判、そして、家族愛を通じた保守派への発信戦略が垣間見えた。
4. バイデン氏のツイートは、新型コロナウイルス対策を主とする健康医療政策、人種差別をめぐる対応、雇用・労働政策、そしてヒスパニック等移民を意識した各国語での発信が特徴的であった。
5. ハリス氏については、バイデン氏と同様の個別の政策論点に加え、環境保護についても抽出された。また、副大統領候補として、大統領候補のバイデン氏を支える姿勢が感じられるのツイート内容が多かった。

1. 研究の動機

2020 年 11 月 3 日に行われた米国大統領選挙では、ドナルド・トランプ候補とジョー・バイデン候補の勝敗の行方もさる事ながら、両者の外交・内政政策がどのようなものになるのかが関心を集めた。

トランプ大統領は Twitter 等の SNS を通じて自身の意見等を発信しており、対するバイデン氏も同様に SNS を駆使して有権者に訴えかけていた。

このため、彼らが Twitter に投稿するツイート本文のテキスト情報を対象として、機械学習の手法を用いて分析し、関心分野についての知見を得られれば面白いと考えた。

2. 米国大統領選挙における Twitter の位置付け

米国において、長らくテレビでの選挙広告が一般的であったが、2008 年を契機に、選挙戦略としてソーシャルメディアが大々的に活用されるようになった。ソーシャルメディアを最も効果的に活用したとされるのが、2008 年大統領選挙における民主党オバマ候補の陣営である。SNS の活用によってもたらされた支持者ネットワークの広がりや、インターネットを介した小口献金の増加が功を奏し、同陣営は同選挙に勝利したとされている。2010 年の中間選挙になると、民主党だけでなく共和党においても、ソーシャルメディアの利用が選挙戦略の一部になり、特に Twitter の利用が進んだという。(前嶋[1])

2012 年大統領選挙、2014 年中間選挙、2016 年大統領選挙でも選挙戦略の一環として、Facebook や Twitter、Instagram などのソーシャルメディアが利用される流れは続いた。(小笠原[3], 平林[4][5])

ソーシャルメディアは、候補者と有権者の双方に利益をもたらす。ソーシャルメディアを使って情報を発信することで、候補者は既存メディアを介さずに有権者と迅速かつ密接なコミュニケーションを行えるだけでなく、支持者による自発的な情報や支援の広がりや、小口献金の増加が期待できる。他方、オンラインでの献金や、自身が支持する候補者について友人等への支持の訴えかけなど、ソーシャルメディアを通じた選挙参加によって、有権者は社会を変えているという実感を得ることができる。(吉田 et al[2], 前嶋[6])

このような特性があることから、2020 年の大統領選挙においても、Twitter で発信したテキスト情報は候補者にとって重要性が高く、彼らの関心分野を分析するための材料として有用だと考えられる。

3. 分析

Twitter API¹を通じてドナルド・トランプ氏、マイク・ペンス氏、ジョー・バイデン氏、カマラ・ハリス氏の 4 者の 2020 年 9 月 1 日から選挙日直前の同年 11 月 2 日までのツイートを取得し、データベース化した。そして、Python を用いて各人のツイート内容に前処理を施した上で、Blei et al[9]が提案した潜在的ディリクレ配分法(LDA, Latent Dirichlet

¹ 「Twitter Application Programming Interface」の略で、Twitter 社が提供している API。Twitter というアプリケーションと、プログラミング(私のコーディング)を繋ぐものを指す。ツイート内容やツイートユーザーの各種 Twitter 情報を得ることができる。

Allocation)を適用し、1 ツイートを1 文書としてトピック抽出を試みた。なお、各人のトピック数については、Coherence(Mimno et al [11])と Perplexity(Řehůřek [12])を用いて決定した。

3-1. 分析方法

Blei et al[9]が提案した LDA を用いる。LDA とは、機械学習の中で、教師なし学習(Unsupervised learning)に分類される手法であり、確率的トピックモデルと呼ばれる。これは、文書は潜在的なトピックのランダムな分布であると仮定し、さらに各トピックはそのトピックに特有の単語の分布から成り立っていると仮定するものである。

LDA については、トピック数を事前に設定する必要がある。本分析においては、坂本 et al[7]に倣って、Coherence(Mimno et al [11])と Perplexity(Řehůřek [12])を用いてトピック数を決めることとした。

Coherence とは、人間にとってどの程度わかりやすいトピックになっているかを表す指標であり、その算出方法には議論があるが、Röder et al[13]が複数の指標を比較した際に最も良い性能を出した Cv という手法を採用することとした。この Cv の coherence の値が高ければ高いほど、人間がわかりやすいということになる。

一方、Perplexity については、選択肢をいくつに絞り込めているのかを表すものであり、この値が低いと、モデルの性能が良いことを示す。

これらの実装にはオープンソースライブラリ gensim(Řehůřek [10])を使用した。

3-2. データ

Twitter 社が提供する Twitter API を利用し、ドナルド・トランプ氏(@realDonaldTrump)、マイク・ペンス氏 (@MikePence)、ジョー・バイデン氏(@JoeBiden)、カマラ・ハリス氏(@kamalaharris)の計4 者の、当時入手可能だった9 月1 日から11 月2 日までのツイートを収集した。収集したデータについては、取得時のままのデータ構造 (JSON²) を保持できるドキュメント指向データベース³ (MongoDB)に、プログラミング言語 Python (Pymongo⁴) を使って保存した。

分析時には、Python を使って MongoDB にアクセスし、ツイート作成日時、ユーザー名、ツイート本文、ツイート場所のデータを Pandas⁵の DataFrame 型に変換して分析した。

² 「JavaScript Object Notation」の略で、JavaScript のオブジェクト記法に従ったデータ定義を指す。具体的には{} を使って “key” とそれに対応する “value” で構成された{“key”: “value”}という形で表される。

³ 格納されるデータ型を事前に定義する必要がなく、ドキュメント(JSON)に存在する様々な情報を格納できるデータベース。データベース上では、key や value での検索が可能。

⁴ Python から MongoDB にアクセスするための機能を提供するライブラリ。

⁵ Python でデータ解析を行う際に役立つ機能を提供するライブラリ (道具) で、Pandas における、異なる型の列を持った2 次元のラベル付きデータ構造体。

3-2-1. 生データ

日本時間 2020 年 9 月 1 日 0 時 0 分から同年 11 月 2 日 23 時 59 分までのトランプ氏及びバイデン氏の総ツイート数はそれぞれ 2,427 件と 981 件で、トランプ氏がバイデン氏の 2 倍以上のツイートを投稿している。ペンス氏やバイデン氏が多くて一日当たり 50 弱の投稿であることを考えても、多い時で一日あたり 100 件以上の投稿を行うトランプ氏が、いかに頻繁に投稿を行っているのかが分かる。

頻度としては、選挙前において、トランプ氏が定期的に多数のツイートを行う一方、バイデン氏は選挙日一か月前から選挙日当日にかけて徐々にツイート数を増やしていることが分かる。

ペンス氏とハリス氏についても見てみると、総ツイート数はそれぞれ 1,470 件と 625 件となり、総数についてはペンス氏とハリス氏ともに、トランプ氏がとバイデン氏の 3 分の 2 程度となっている。

頻度について、ペンス氏はトランプ氏、ハリス氏はバイデン氏とそれぞれ歩調を合わせたかようなツイートになっていることが分かる。

	Trump	Pence	Biden	Harris
Count days	63	63	63	63
Mean tweets per a day	38.5	23.3	15.6	9.9
Standard deviation	22.9	11.3	9.4	4.5
Min tweets per a day	1.0	2.0	5.0	2.0
25% tweets per a day	22.5	16.0	9.0	7.0
50% tweets per a day	34.0	23.0	13.0	9.0
75% tweets per a day	49.0	33.0	19.0	12.0
Max tweets per a day	103.0	49.0	49.0	28.0
total tweets	2,427	1,470	981	625

表 1：4 者のツイート数についての記述統計量

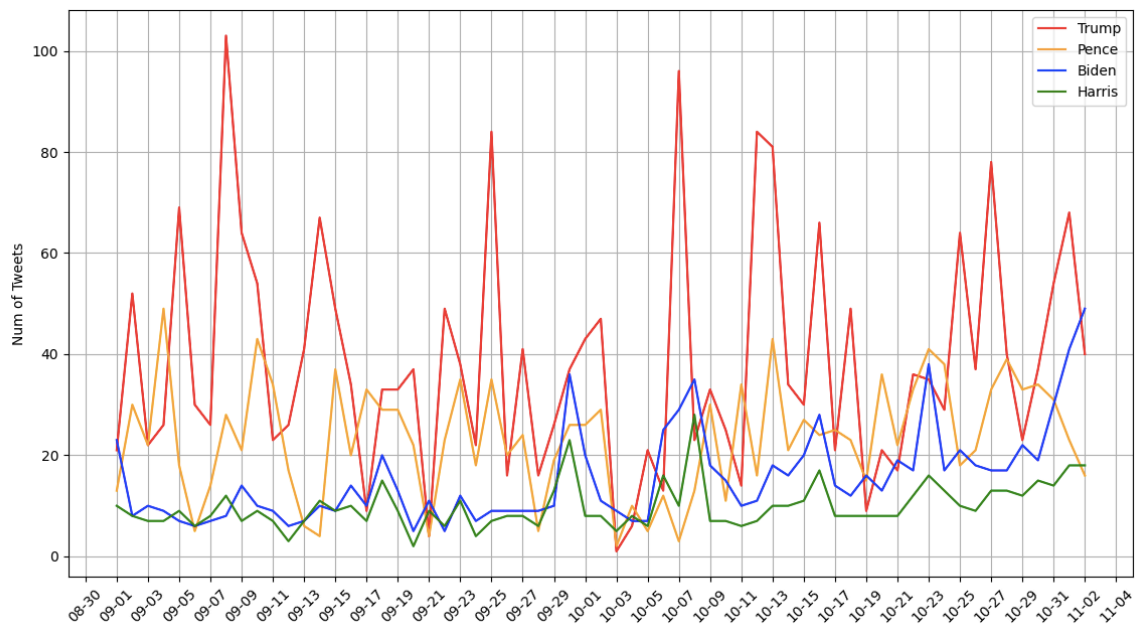


図1：9月1日から11月2日までにおける4者のツイート数の変遷

3-2-2. 前処理

テキスト情報をそのまま用いると、“the”のような冠詞や、“to”, “on”のような前置詞、“you”, “it”のような代名詞、“will”, “can”のような助動詞、“am”, “are”のようなbe動詞、“,”, “.”, “¥n” (¥はバックスラッシュ), “RT” (リツイートマーク), “&” (&マーク)、のような記号・数字、“http”のようなURL、といったものがどのユーザーのツイートにおいても頻出単語となり、トピックを構成する重要な単語の抽出が難しくなる。そのため、上記のような一般的に用いられる単語を予め取り除く必要がある。あわせて、同じ単語であるにもかかわらず、分析時に異なる単語としてカウントしてしまい、抽出結果に影響を与えることが考えられる。このため、全単語の小文字化や、可能な限り略称の正規化 (“IL" → “Illinois”, “BLM” → “Black lives Matter”等)、単語の語尾変化 (名詞の複数形 “s”、動詞の時制変化 (過去形の “ed”, 三人称現在単数の “s” 等) を処理して一番単純な形に戻す lemmatization を行った。この前処理にあたっては NLTK 等、自然言語処理パッケージを用いて実施している。

続いて、スペースを境界として、文を単語毎に細断 (トークン化) し、4者の各ツイートにおいて、Bag-of- Words (BoW) を作成した。BoW とは、各人の総ツイートのにおける各単語の出現回数を辞書形式で格納したものである。具体的には、ある単語と、その単語がデータ中の文章に出現した回数に対応させた形で表される。

(1) John likes to watch movies. Mary likes movies too.

(2) Mary also likes to watch football games.

元の文章

(1) "John","likes","to","watch","movies","Mary","likes","movies","too"

(2) "Mary","also","likes","to","watch","football","games"

トークン化(Tokenized, 文章を単語ごとに分割した)文章

BoW(1)={"John":1,"likes":2,"to":1,"watch":1,"movies":2,"Mary":1,"too":1};

BoW(2)={"Mary":1,"also":1,"likes":1,"to":1,"watch":1,"football":1,"games":1};

BoW(各文章における単語と、その出現回数を対応させた)表現

例 1 : Wikipedia[14]に掲載されている BoW

この BoW と次 Dictionary を元に、Corpus を作成する。Dictionary とは、データの全文書に現れる単語に対し、無作為に固有の番号 (ID) を付与した表現である。そして Corpus とは、細断 (トークン化) された文章を、Dictionary の情報に基づき、各文章に現れる単語を ID に置き換えて、その出現回数を格納した数値表現である。

```
{  
[0:John],[1:likes],[2:to],[3:watch],[4:movies],[5:Mary],[6:too],[7:also],[8:football],[games  
:9]  
}
```

Dictionary の例

```
{  
[(0,1),(1,2),(2,1),(3,1),(4,2),(5,1),(6,1)],  
[(1,1),(2,1),(3,1),(5,1),(7,1),(8,1),(9,1)],  
}
```

Corpus の例

例 2 : Dictionary を用いた例 1 の BoW の Corpus への変換

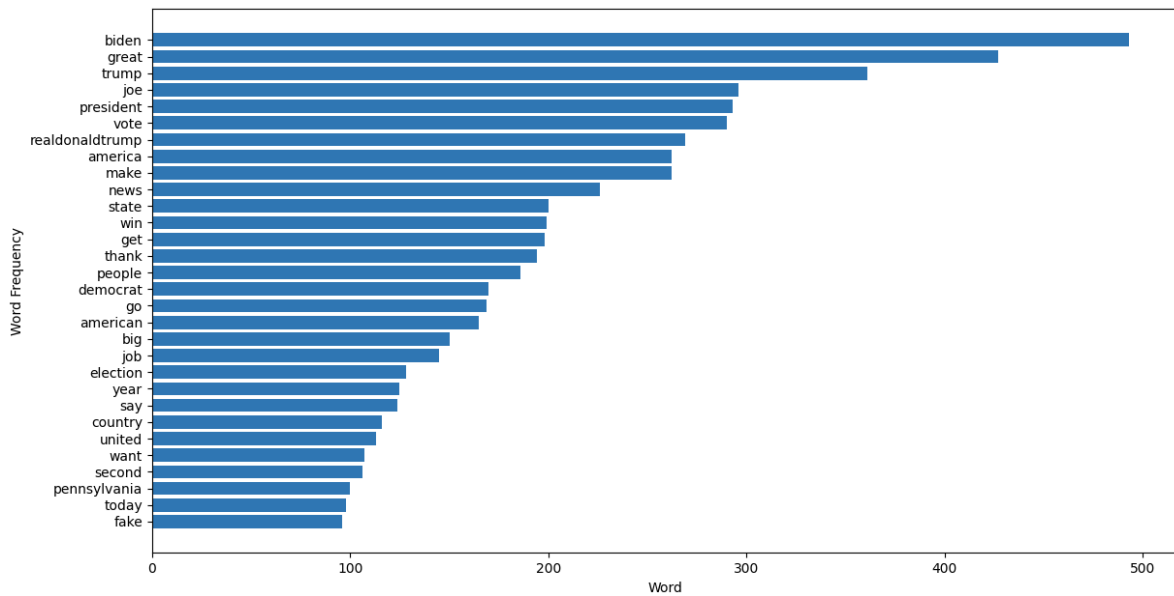


図 2：トランプ氏のツイートにおける頻出単語上位 30

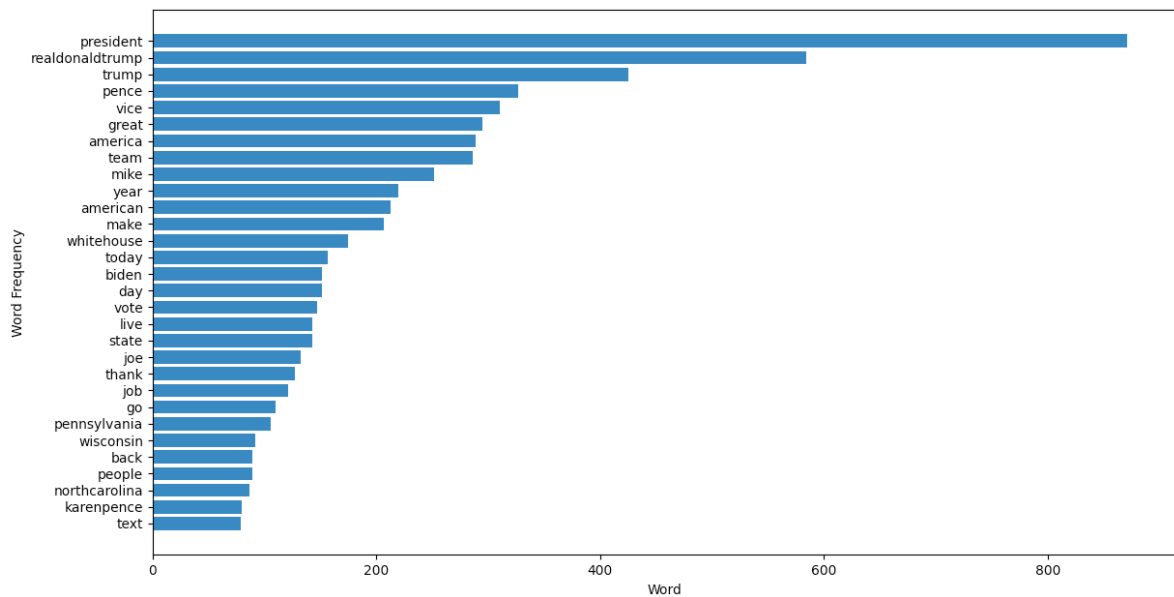


図 3：ペンス氏のツイートにおける頻出単語上位 30

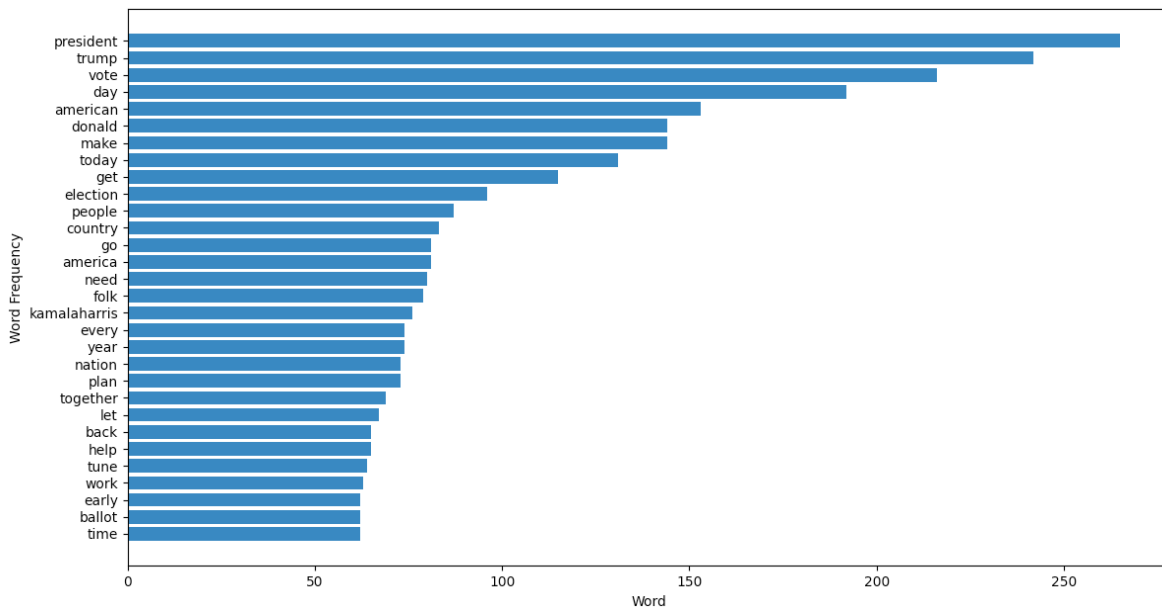


図4：バイデン氏のツイートにおける頻出単語上位 30

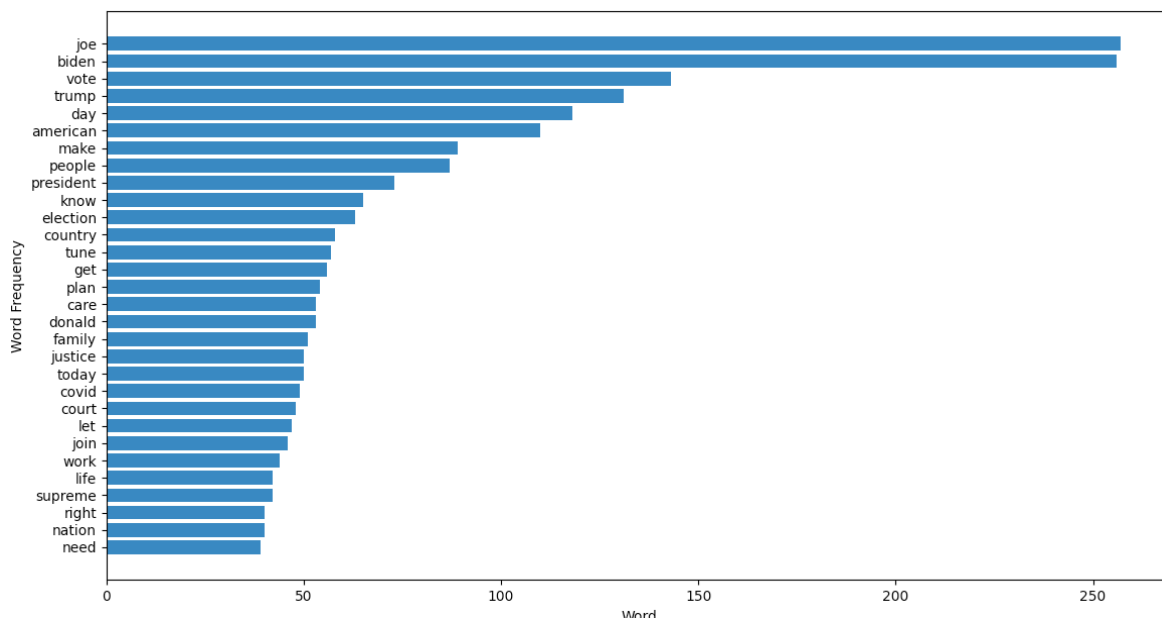


図5：ハリス氏のツイートにおける頻出単語上位 30

上記図2～5を見ると、“trump”、“biden”という大統領候補の名前や、“president”、“vote”、“american”、“country”という選挙との関係性が強い単語が4者のツイートに共通して頻出していることが分かる。このため、4者の頻出単語の上位0.5%の頻出単語(13-25単語)を除去するとともに、頻出単語上位50個(50には、上位0.5%を含む)のうち、4者全てに共通している単語を取り除き、4者の違いが現れやすくなるように工夫した。

この処理を行った後の記述統計量、ツイート数の変遷、頻出単語上位 30 個は以下の通りである。全体として、処理後のツイート数に若干の減少が見られるのは、処理の対象となった頻出単語のみで構成されたツイートが存在したためである。

	Trump	Pence	Biden	Harris
Count days	63	63	63	63
Mean tweets per a day	37.6	22.7	15.4	9.8
Standard deviation	22.6	11.3	9.4	4.5
Min tweets per a day	1.0	1.0	5.0	2.0
25% tweets per a day	22.0	14.0	9.0	7.0
50% tweets per a day	33.0	23.0	13.0	9.0
75% tweets per a day	48.5	30.5	19.0	11.5
Max tweets per a day	101.0	49.0	49.0	28.0
total tweets	2,369	1,431	972	618

表 2：前処理後の 4 者のツイート数についての記述統計量

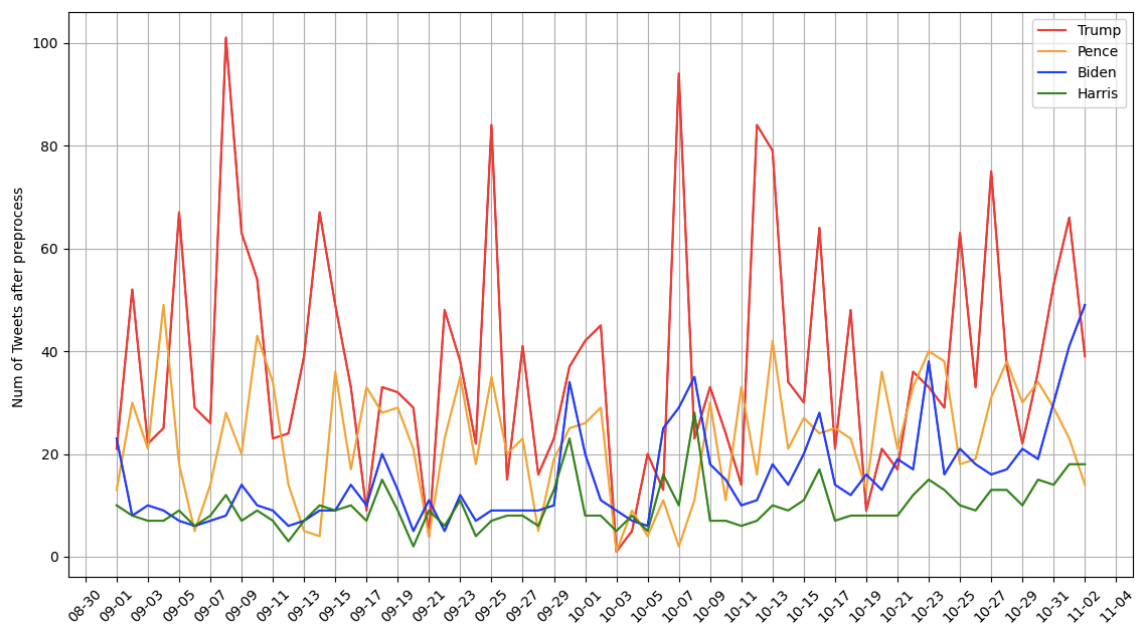


図 6：9 月 1 日から 11 月 2 日までにける前処理後の 4 者のツイート数の変遷

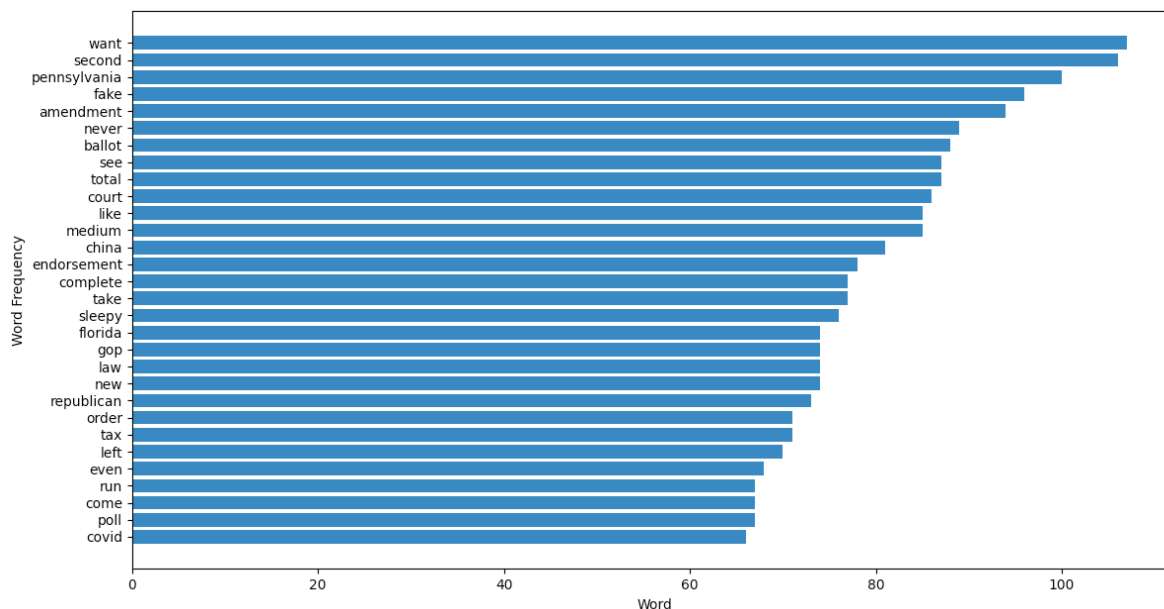


図7：前処理後のトランプ氏のツイートにおける頻出単語上位 30

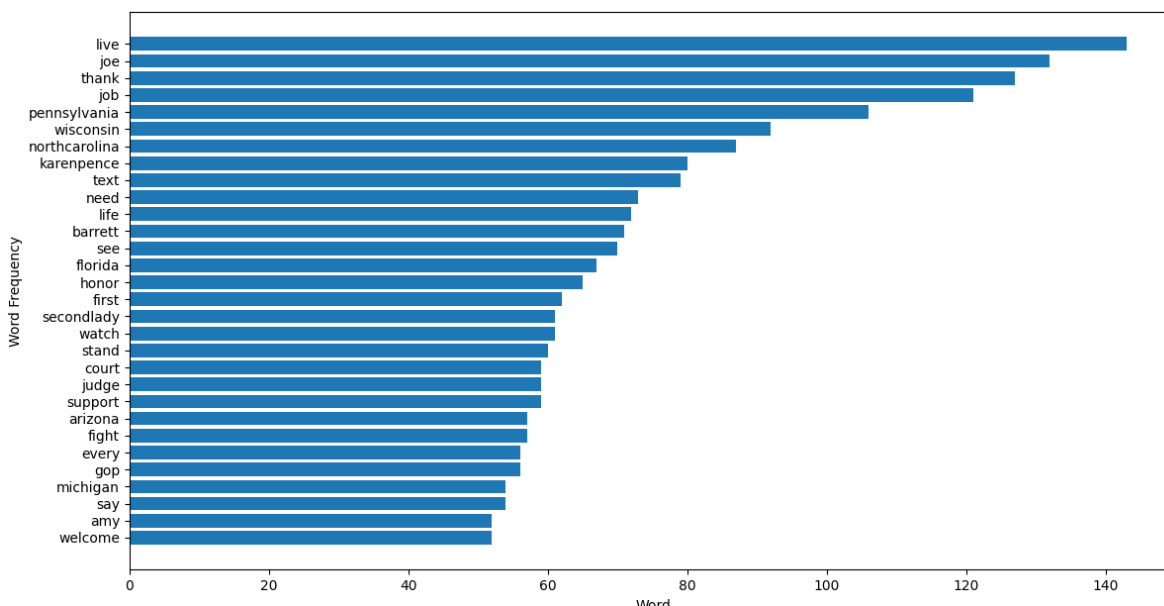


図8：前処理後のペンス氏のツイートにおける頻出単語上位 30

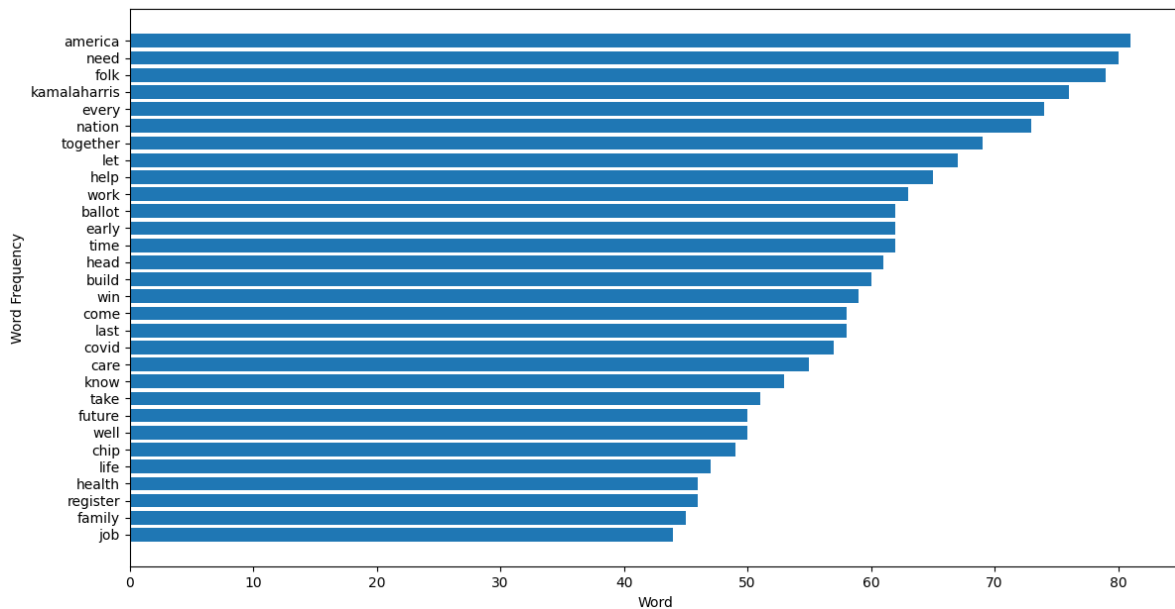


図 9：前処理後のバイデン氏のツイートにおける頻出単語上位 30

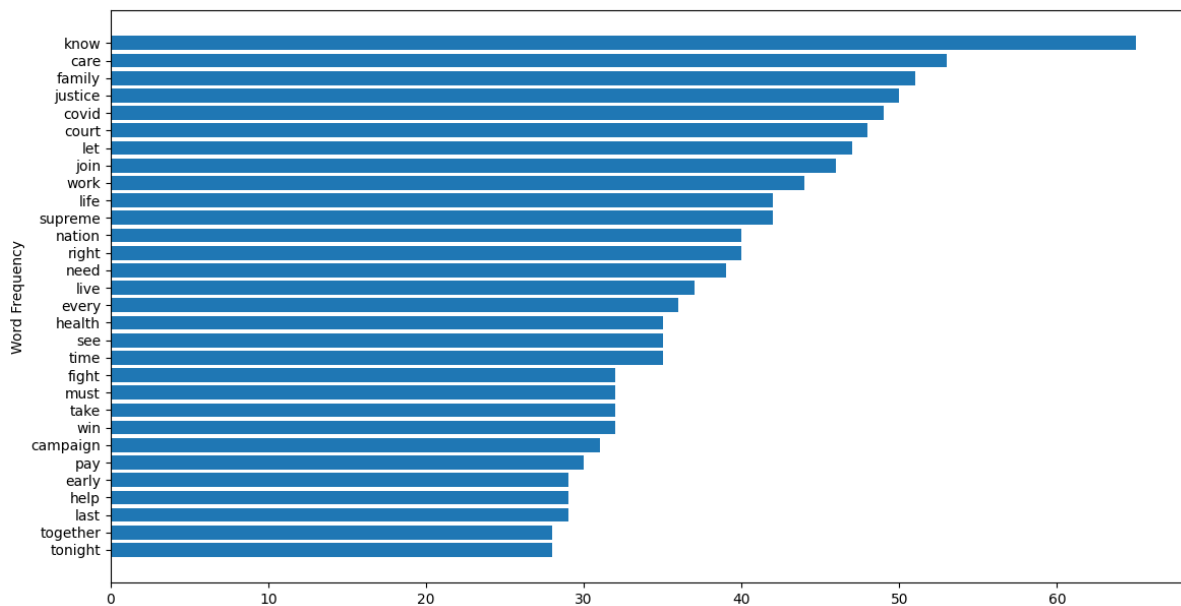


図 10：前処理後のハリス氏のツイートにおける頻出単語上位 30

図 7 のトランプ氏の用いた頻出単語から分かるのは、次の 3 点である。①“second”, “amendment”, “law”, “order”が頻出となったのは、米国憲法第二修正（国民に武器保有を認める権利）や、法と秩序といった治安関係を重視した内容が多いためだと推測される。②“china”, “left”, “fake”, “medium”という単語が多いのは、中国や、民主党、メディアといった自身の敵・攻撃対象についての言及が多いからと思われる。③地名では“pennsylvania”

が突出して多数出現していることから、今回の大統領選挙終盤でトランプ氏が最も関心を寄せていた州は、ペンシルバニア州だと考えられる。

図 8 のペンス氏については、次の 3 点である。①“pennsylvania”, “wisconsin”, “northcarolina”, “florida”, “arizona”, “michigan”といった、今回の大統領選挙の激戦州と呼ばれた地域への言及が多い。②他の 3 者と違い、上位頻出単語に新型コロナウイルス関係 (“covid”等)が全く見られない一方、“barrett”, “court”, “judge”など保守派の最高裁判事となったバレット氏についての単語が頻出である。そのため、頻出単語の一つとして抽出された“life”は、人工妊娠中絶反対での文脈 (pro-life) だと考えられる。③副大統領夫人 (“second lady”) であるカレン・ペンス氏について述べる人が多い。

図 9 のバイデン氏の上位頻出単語を見ると、次の 3 点が分かる。①“folk”, “together”という単語を多用していることから、有権者に同じ目線で呼びかけ、連帯を呼びかけている内容が多いのではと推察される。②“covid”, “health”, “care”, “life”という単語から、新型コロナウイルス対策や、健康医療政策についての発言が多いと思われる。③“future”, “head”, “build”, “well”という単語から、現状を立て直したり改善したりして、前進していく明るい希望を持たせるようなツイートが多いことが考えられる。

最後に、ハリス氏については、バイデン氏と同じ健康医療政策に加え、司法警察関係の話題が多いことが、図 10 の “court”, “justice”, “supreme” という頻出単語から推測できる。

4. トピック抽出結果

Coherence と Perplexity、トピック数の関係を折れ線グラフで示したのが以下の図 11～14 である。左縦軸が Coherence、右縦軸が Perplexity で、横軸がトピック数を表している。

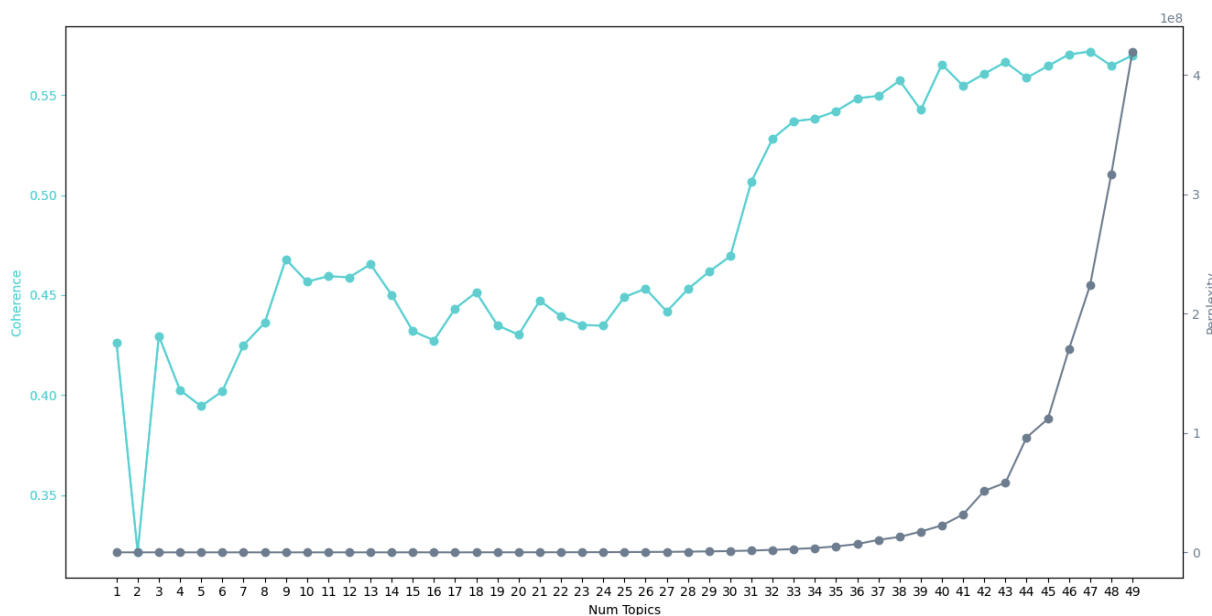


図 11：トランプ氏のツイートの Coherence と Perplexity、トピック数のグラフ

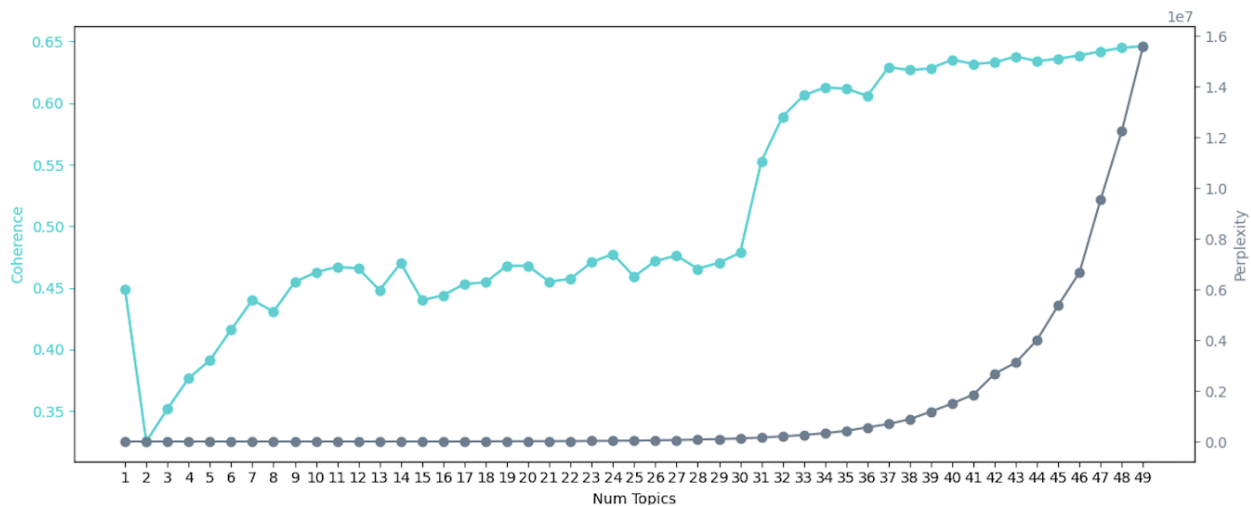


図 12：ペンス氏のツイートの Coherence と Perplexity、トピック数のグラフ

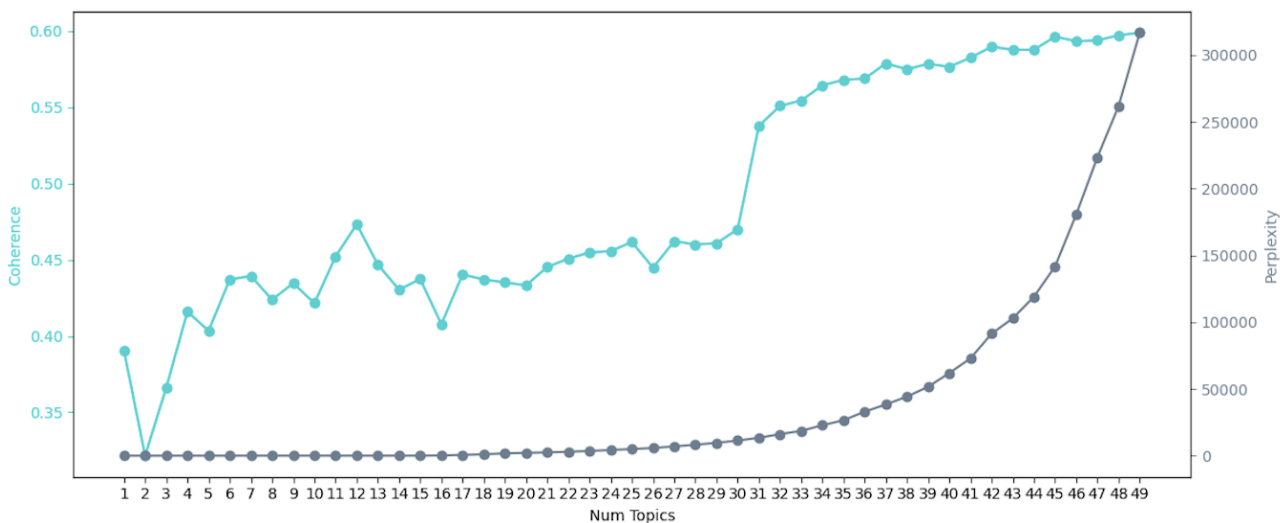


図 13：バイデン氏のツイートの Coherence と Perplexity、トピック数のグラフ

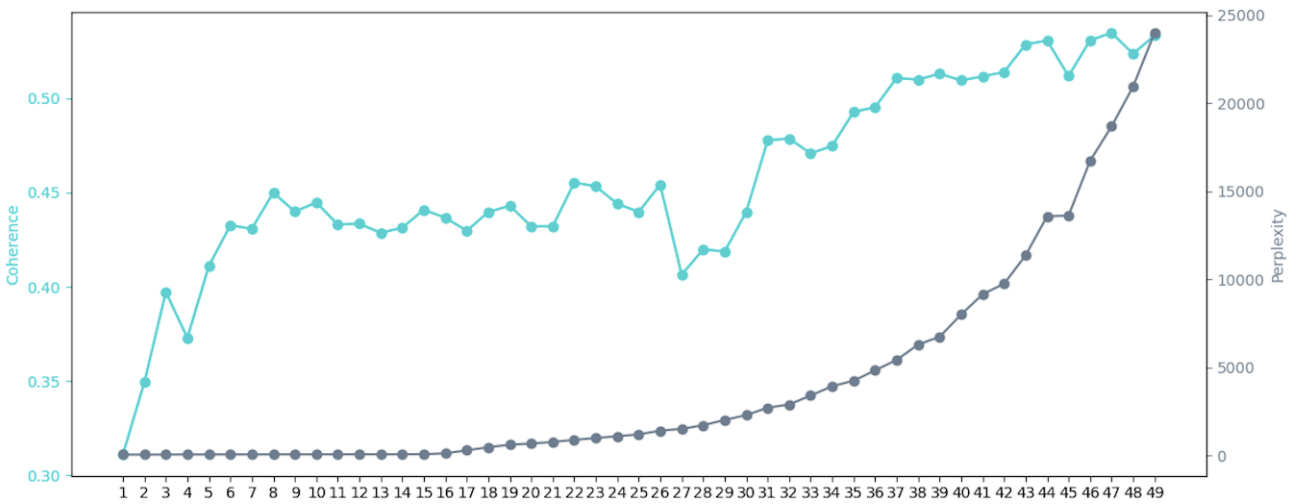


図 14：ハリス氏のツイートの Coherence と Perplexity、トピック数のグラフ

図 11～14 のグラフを見ると、トランプ氏とペンス氏については、トピック数 32、バイデン氏とハリス氏についてはトピック数 31 の時に Perplexity を低くしたまま、高い Coherence を得ることが分かった。この結果を踏まえ、改めて LDA を適用し、抽出された各人のトピックに WordCloud を用いて可視化したものが以下である。

なお、各人のトピックの概要は最後に掲載している別表に記載している。



図 15 : WordCloud で可視化した、LDA により得られたトランプ氏のトピック

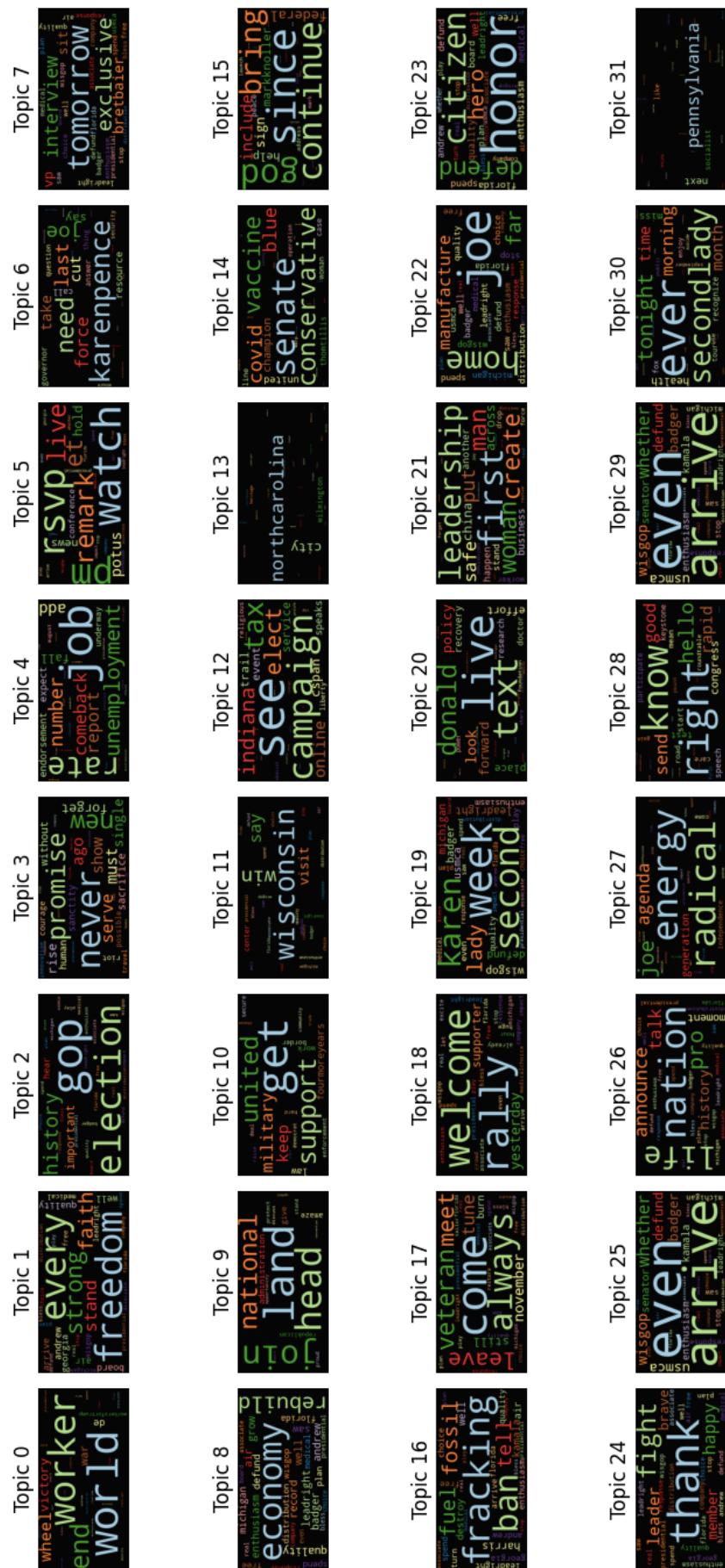


図 16：WordCloud で可視化した、LDA により得られたペンス氏のトピック

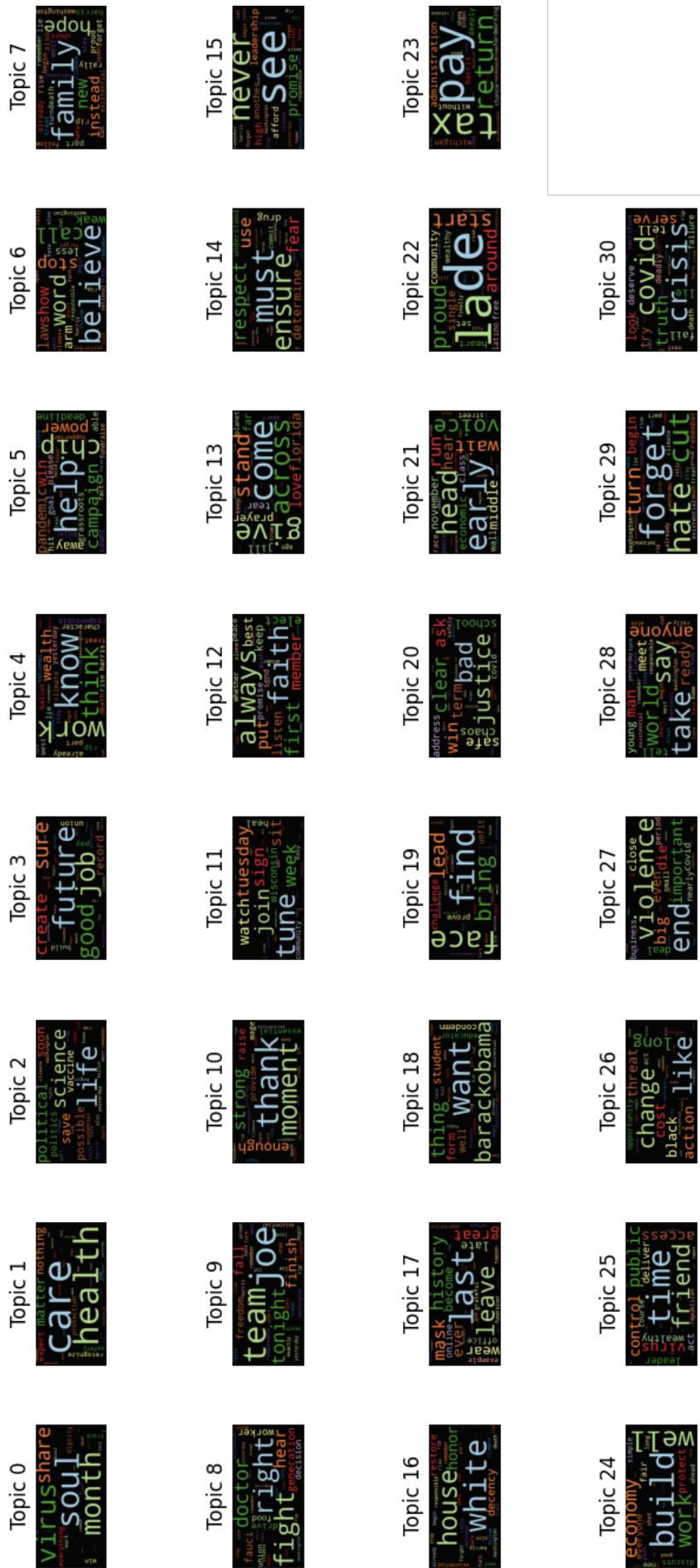


図 17：WordCloud で可視化した、LDA により得られたバイデン氏のトピック

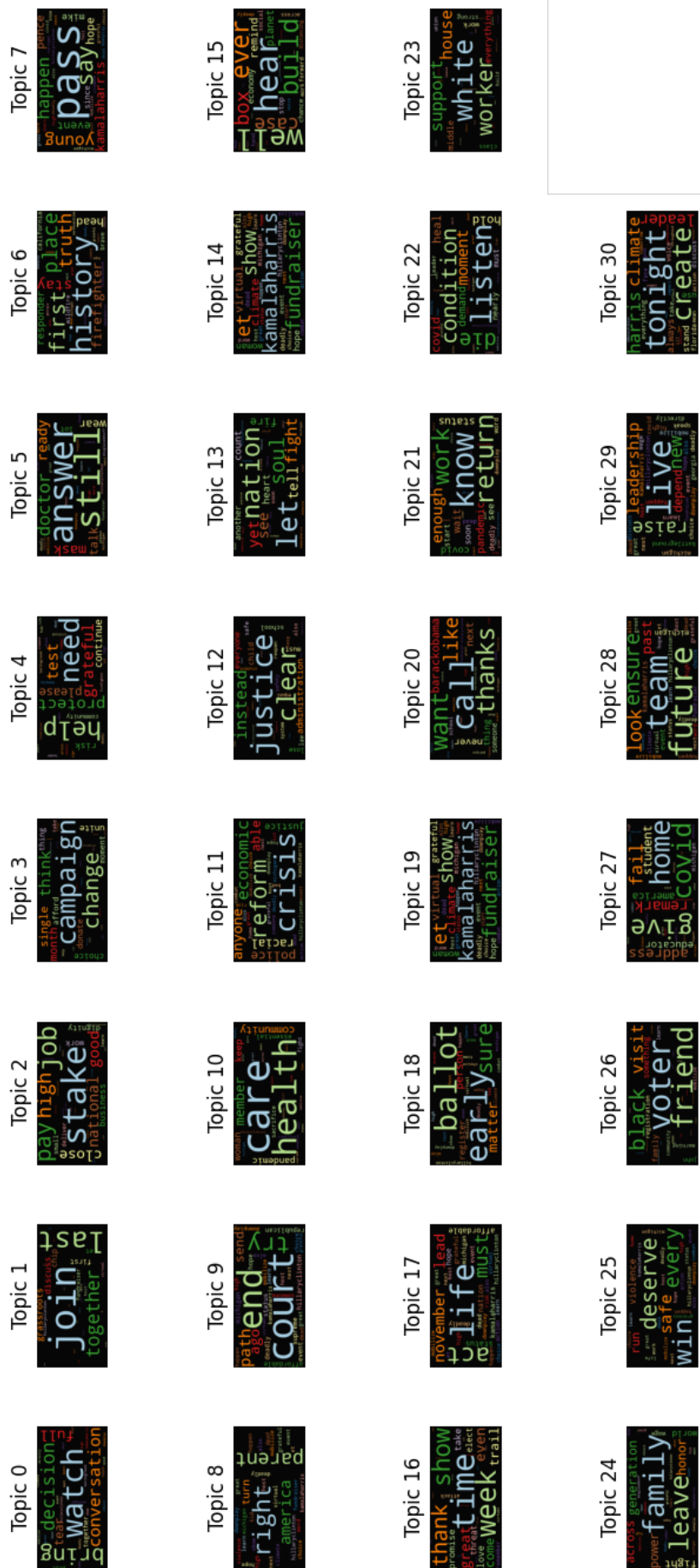


図 18：WordCloud で可視化した、LDA により得られたハリス氏のトピック

5. 考察

全体として、4者とも国内政策が中心で、対外政策に関するトピックはほとんど抽出されなかった。日本についての言及の有無を調べると、トランプ氏は1件⁶、ペンス氏は3件⁷、バイデン氏とハリス氏は0件であった。トランプ氏の内容は、2020年9月に誕生した菅政権への祝意表明であり、ペンス氏は、ホワイトハウス公式アカウントをリツイートする形で、日本の降伏文書調印による第二次世界大戦の終結に言及していた。4者とも対日政策については全く触れなかったが、トランプ氏が第二次世界大戦での日本の降伏について個人的に取り上げなかったのは、日本への配慮の表れだと考えられる。

次に、各人のトピックとして得られた代表的な単語を手がかりに、元データであるツイートの内容を精査すると、4者のツイートには興味深い特徴が見られた。

5-1. トランプ氏

次の2点が特徴であった。①他者への非難・攻撃と思われるものが総トピックの約3分の1を占めており、具体的な非難・攻撃対象は、民主党、報道メディア、バイデン氏、ペロシ氏、ニューヨーク等の民主党州知事、そして中国である。②自身の政権の業績として、外交や経済を挙げ、支持者や有権者へのアピールとして人工中絶反対や、米国憲法第二修正（国民に武器保有を認める権利）の擁護、法と秩序、安全保障を強調している。

①について、Topic3 (“radical”, “left”, “china”)では、民主党やバイデン氏は急進左派で、中国との内通者だと非難している⁸。Topic4 (“medium”, “lie”)からは、メディアは嘘つきだというトランプ氏の攻撃が抽出された⁹。Topic16 (“corrupt”, “raise”, “tax”, “history”)では、バイデン氏に腐敗政治家とのレッテルを貼り、米国史上最大の増税という表現とを結び付けて悪印象を与えようとしている¹⁰。Topic17 (“nancy”, “pelosi”, “crazy”)は、ペロシ下院議

⁶ トランプ氏ツイート例：“Congratulations Prime Minister Yoshihide Suga. You have a great life story! I know you will do a tremendous job for Japan and for the world. Look forward to talking soon! @kantei @sugawitter”

⁷ ペンス氏ツイート例：“RT @WhiteHouse: September 2, 2020, marks 75 years since Japan formally signed its surrender to the United States, ending World War II. On…”
“RT @WhiteHouse: President @realDonaldTrump commemorates the 75th anniversary of victory in World War II! “V-J Day marked the end of the de…”
“RT @WhiteHouse: September 2, 2020, marks 75 years since Japan formally signed its surrender to the United States, ending World War II. On…”

⁸ Topic3 ツイート例：“Radical Left Democrats are going CRAZY!”
“I have taken the toughest-ever action to stand up to China’s rampant theft of Michigan jobs. Sleepy Joe Biden has vowed to remove those Tariffs and allow China to resume its pillaging. Joe Biden’s Agenda is Made in China, my agenda is Made in the USA! <https://t.co/z8EuVOUYLE>”

⁹ Topic4 ツイート例：“RT @BuckSexton: It’s obvious that the media’s plan is to bury us all in an avalanche of lies and lunatic conspiracy theories in the hopes t…”
“The Democrats, together with the corrupt Fake News Media, have launched a massive Disinformation Campaign the likes of which has never been seen before. They will say anything, like their recent lies about me and the Military, and hope that it sticks… But #MAGA gets it!”

¹⁰ Topic16 ツイート例：“WSJ Editorial Board: Joe Biden Must Answer Questions About Hunter Biden and China <https://t.co/pF2M9i9OSu> via @BreitbartNews Joe Biden is a totally corrupt politician, and got caught. At least now he won’t be able to raise your Taxes - Biggest increase in U.S. history!”
“Biggest & Fastest Financial Recovery In History. Next year will be BEST EVER, unless a very

長のついでの非難である¹¹。Topic19 (“newyork”, “governor”, “death”, “fail”)では、民主党系ニューヨーク州知事クオモ氏による新型コロナウイルス対応の失敗を主張していると思われる¹²。Topic7 (“right”, “fbi”, “portland”)では、民主党寄りと批判している米連邦捜査局 (FBI)を取り上げている。2016 年の大統領選挙でロシアが介入したとされる疑惑への捜査や、リベラル色が強いとされるオレゴン州ポートランドで BLM 運動に対抗していた右派のアーロン・ダニエルソン氏が殺害された事件への捜査について、不満や非難を表明していると思われる¹³。この他、Topic10 (“russia”, “real”, “threat”)¹⁴、Topic22 (“fake”, “report”, “never”, “talk”)¹⁵等についても、バイデン氏や民主党、報道メディア等への攻撃・非難が抽出されていると考えられる。例えば、“sleepy Joe” (寝ぼけたジョー) との呼称を用いて、トランプ氏がバイデン氏を攻撃していたことが、Topic30 (“sleepy”)¹⁶から読み取れる。

②の自身の業績など有権者へのアピールとして抽出できたのは、外交政策の他、活況を呈する株式市場や、コロナ禍前に過去最低を記録した失業率、法と秩序、産業支援、人工中絶反対、安全保障である。Topic8 (“historic”, “middle”, “east”, “israel”, “arab”)は、イスラエルとアラブ諸国との国交正常化における仲介実績を表している考えられる¹⁷。Topic23

Sleepy person becomes President and massively raises your taxes - In which case, CRASH!”

- ¹¹ Topic17 ツイート例：“The Beauty Parlor owner must really dislike Crazy Nancy Pelosi. Turning her in, on tape, is a really big deal. She probably treats him like she treats everyone else...And she strongly supported a Kennedy who just lost in, of all places, Massachusetts!”
“Pelosi and Schumer want Trillions of Dollars of BAILOUT money for Blue States that are doing badly, both economically and in terms of high crime, as a condition to making a deal on stimulus - But the USA is coming back strong!”
- ¹² Topic19 ツイート例：“Governors Andrew Cuomo of New York has the worst record on death and China Virus. 11,000 people alone died in Nursing Homes because of his incompetence!”
“.@NYGovCuomo should get his puppet New York prosecutors, who have been illegally after me and my family for years, to investigate his incompetent handling of the China Virus, and all of the deaths caused by this incompetence. It is at minimum a Nursing Home Scandal - 11,000 DEAD!”
- ¹³ Topic7 ツイート例：“Why aren’t the Portland Police ARRESTING the cold blooded killer of Aaron ‘Jay’ Danielson. Everybody knows who this thug is. No wonder Portland is going to hell! @TheJusticeDept @FBI”
“‘Trump Was Right’: Explosive New FBI Texts Detail Internal Furor Over Handling Of ‘Crossfire Hurricane’ Investigation — Newly disclosed internal FBI notes & text messages detail the extent of the FBI’s desire to take down Trump & his associates at any cost.<https://t.co/KsHId8YJVD>”
- ¹⁴ Topic10 ツイート例：“RT @RepMattGaetz: Democrats want to scare the American people about Russia when we know the real threat the United States faces is from Chi...”
“RT @JudiciaryGOP: Hunter Biden’s emails are NOT Russian disinformation. They are real. Period.”
- ¹⁵ Topic22 ツイート例：“This guy is given the answer to questions, which he reads from his teleprompter. Is Donna involved in this scam? Could you imagine if I got caught doing this. The media will never report this scam (FAKE) candidate. Sad! <https://t.co/ywvgsZAmEd>”
“Might as well mention this because it will never be reported by the Lamestream Media! <https://t.co/5qqZrr9hXz>”
- ¹⁶ Topic30 ツイート例：“Sleepy Joe Biden had a particularly bad day today. He couldn’t remember the name of Mitt Romney, said again he was running for the U.S. Senate, and forgot what State he was in. If I did any of this, it would be disqualifying. With him, he’s just Sleepy Joe!”
“‘I’m running as a proud Democrat, for the Senate’. Sleepy Joe Biden today. It’s only going to get worse. It is not sustainable for our County - China will own us!!!!”
- ¹⁷ Topic8 ツイート例：“RT @DNI_Ratcliffe: Today’s agreement between Israel and the United Arab Emirates is a historic

(“economy”, “record”, “life”, “second”, “energy”)から読み取れるのは、自身の政権下での記録的な好況や、人工中絶の反対、米国憲法第二修正の擁護、規制撤廃等によるシェールガス等のエネルギー産業支援である¹⁸。Topic1 (“security”)からも、治安や安全保障への関心の高さや自負が窺える¹⁹。法と秩序については、Black Lives Matter (BLM)運動に参加していた黒人男性が警官に銃撃されたウィスコンシン州ケノーシャでの銃撃事件や、亡くなったルース・ベイダー・ギンスバーグ判事に代わり新たに連邦判事に任命した保守派のエイミー・コニー・バレット氏を想起させる単語が Topic20 (“wisconsin”, “law”, “enforcement”, “court”, “judge”)に抽出された²⁰。

5-2. ペンス氏

ツイートの特徴としては次の4点である。①激戦州を含む一部州での選挙活動を想起させるような、州名が入ったトピックが抽出された。②福音派としての宗教的価値観、特に人工妊娠中絶の是非についてを論点にしている。③バイデン氏やハリス氏が環境保護を進めようとしていることについて急進的環境政策だと批判する一方、自身やトランプ氏はエネルギー産業を推進・発展させようとしていることを産業界や従事者にアピールしている。④妻のカレン氏についての話題が多く抽出され、家族愛を通じた保守派へ向けた発信戦略が垣間見える。

まず、Topic 11 (“wisconsin”, “win”, “visit”)²¹, Topic 12 (“campaign”, “elect” “indiana”)²²,

step towards a more peaceful Middle East. Co…”

“HISTORIC day for PEACE in the Middle East — I am welcoming leaders from Israel, the United Arab Emirates, and the Kingdom of Bahrain to the White House to sign landmark deals that no one thought was possible. MORE countries to follow! <https://t.co/whvJpNPrrr>”

¹⁸ Topic23 ツイート例: “Under my leadership, our ECONOMY is now growing at the fastest rate EVER recorded—33.1%! While foreign nations are in freefall, we are creating the world’s greatest ECONOMIC POWERHOUSE! Get out and VOTE on November 3rd, so we can keep it going! #MAGA <https://t.co/LMtLmbruru>”

“When a Kennedy loses a Democrat Primary in Massachusetts, by a lot, it just shows how far LEFT that party has gone. Joe Biden’ will never be able to hold them back. Life, 2nd A, Energy, Religion, Jobs and the Economy, would be totally obliterated!”

¹⁹ Topic1 ツイート例: “We will end surprise medical billing, require price transparency, lower drug prices even more, protect Social Security and Medicare, and we will ALWAYS protect patients with pre-existing conditions! <https://t.co/0otWkqA1wC>”

“RT @SenateGOP: Stronger trade deals. Killing terrorists. National security tools. Justice reform. Coronavirus relief. Democrats spent the…”

²⁰ Topic20 ツイート例: “Heading to Kenosha, Wisconsin, to thank Law Enforcement and the National Guard for a job well done. The Violence stopped six days ago, the moment the Guard entered the picture. Thank you!”
“Today, it was my great honor to nominate one of our nation’s most brilliant and gifted legal minds to the Supreme Court. She is a woman of unparalleled achievement, towering intellect, sterling credentials, and unyielding loyalty to the Constitution: Judge Amy Coney Barrett… <https://t.co/l2yezt2UOi>”

²¹ Topic11 ツイート例: “Happy #LaborDay, America! Heading to Wisconsin with @SecGeneScalia to visit the hardworking men and women of @DairylandPower as our Administration continues to stand for the American worker! 🇺🇸 <https://t.co/nqfg6bJJ3L>”

“NAFTA is gone, and the #USMCA is here to stay! President @realDonaldTrump drove a hard bargain and won a great victory for Wisconsin workers and dairy farmers! Under the #USMCA, we’re

Topic 13 (“northcarolina”)²³, Topic 22 (“manufacture”, “michigan”)²⁴, Topic 31 (“pennsylvania”)²⁵などで、今回の大統領選にて激戦州とされたウィスコンシン州、ペンシルバニア州、ノースカロライナ州に加え、ペンス氏の地元インディアナ州といった地域における選挙活動についてが抽出された。これは、同地域がペンス氏、ひいてはトランプ氏にとって重要な州であったことを物語っていると考えられる。激戦州において、トランプ大統領への投票や共和党の選挙活動への参加を呼び掛ける選挙重視の姿勢が現れたと言える。

キリスト教福音派らしいトピックとしては、Topic 1 (“strong”, “stand”, “freedom”, “faith”) で抽出されている信仰や宗教の自由がある²⁶。ここでは、トランプ氏が宗教や信仰の自由の擁護者であるとして、同氏の再選を呼びかけている。

また、Topic26 (“pro”, “life”, “history”) では、バイデン氏が妊娠後期における人工妊娠中絶に賛成であり、公費（税金）を使って人工妊娠中絶を行おうとしていると非難するとともに、トランプ氏を米国史上最も生命を尊重（pro-life）する大統領として称賛している²⁷。

エネルギー・環境保護政策については、化石燃料の根絶や、水圧破碎法（シェール・ガスやシェール・オイルの抽出に使われる手法）の禁止等を行おうとするバイデン氏らの環

going to export \$300 million more a year in Wisconsin dairy!”

²² Topic12 ツイート例：“RT @SBAList: Great seeing you on the campaign trail today, VP @Mike_Pence!!The #ProLife Movement is ALL IN to re-elect the most pro-life…”

“En route to Indiana! Excited to join Hoosiers today as we MAKE AMERICA GREAT AGAIN! See you soon! 🇺🇸 <https://t.co/arLrJvkAS4>”

²³ Topic13 ツイート例：“THANK YOU ELM CITY! Great to see so much enthusiasm here in North Carolina for four more years of President @realDonaldTrump! 🇺🇸 <https://t.co/5SmToHFfRR>”

“RT @TeamTrump: LIVE: Vice President Pence in Elm City, NC #ElmCity #NorthCarolina Text VOTE to 88022 <https://t.co/6Csq3sgMuz>”

²⁴ Topic22 ツイート例：“Under Joe Biden: ❌ 200,000 manufacturing jobs LOST Under President @realDonaldTrump: ✅ 500,000 manufacturing jobs ADDED across America ✅ 20,000 manufacturing jobs ADDED in Michigan”

“THANK YOU MICHIGAN! We need you to say NO to Joe and YES to four more years of President @realDonaldTrump in the @WhiteHouse! 🇺🇸 <https://t.co/9sBKXbjCMV>”

²⁵ Topic31 ツイート例：“RT @mjoyce317: Welcome back to Pennsylvania, Vice President @Mike_Pence!! If you like energy independence and you want to keep fracking job…”

“Next Stop: Harrisburg, PA! Under President @realDonaldTrump we will have more jobs and more support for the amazing, hard-working men and women of the Keystone State! See you soon!”

²⁶ Topic1 ツイート例：“RT @thehill: .@VP @Mike_Pence: “This President has stood strong for the freedom of religion of every American of every faith.” <https://t.co/et4n50YpWH>”

“This is TRUMP COUNTRY! When you compare the Biden-Harris agenda with our agenda, the choice is clear: if you cherish faith, freedom, law and order, and life, in just 24 days, we’re going to reelect President @realDonaldTrump for four more years! 🇺🇸 <https://t.co/et4n50YpWH>”

²⁷ Topic26 ツイート例：“Joe Biden supports late term abortion & using taxpayer dollars to pay for abortion, all the way up to the moment of birth. I couldn’t be more proud to serve alongside the most pro-life President in American history, President @realDonaldTrump! <https://t.co/C9GPUwkzX0>”

“Joe Biden & Kamala Harris support taxpayer funded abortion & are calling for a record increase in abortion funding at home & abroad. President @realDonaldTrump is the most pro-life President in History & will continue to fight for the sanctity of human life for four more years! <https://t.co/ad57Qoz3NQ>”

境政策は急進的だと強調しエネルギー産業従事者に危機感を与える一方、トランプ氏や自身についてはエネルギー産業を支援しているとの主張が、Topic 16 (“ban”, “fracking”, “fossil”, “fuel”)²⁸や Topic 27 (“radical”, “energy”, “agenda”, “joe”)²⁹から分かる。

最後の特徴として、自身の妻のカレン氏についての話題が多く抽出された。Topic 6 (“karenpence”)³⁰、Topic 19 (“second”, “lady”, “karen”)³¹と Topic 30 (“secondlady”)³²は、カレン夫人のツイートの引用や、カレン夫人の活動、カレン夫人と共に参加した活動についてツイートしたものと思われる。他の3者とは対照的に、ペンス氏は、配偶者について言及していることが多い。選挙戦略だとすれば、家族を大切にする姿を発信することで、宗教保守など、保守的な価値観を持つ有権者にアピールしていたと考えられる。

5-3. バイデン氏

ツイートの特徴としては次の4点である。①新型コロナウイルスや健康医療政策についてのトピックが全体の約3分の1を占め、トランプ政権による対応の批判、及び、実行すべき政策についての内容が多かった。②BLM運動で問題になった黒人をはじめとする人種差別や、BLM運動に対抗する右派武装勢力による暴力へのトランプ政権の対処について批判するものが多い。③雇用・労働政策についてコロナ禍以前からトランプ政権下では問題

²⁸ Topic16 ツイート例：“Joe Biden & Kamala Harris have repeatedly said they’re going to abolish fossil fuels & fracking. President @realDonaldTrump & I are not going to let that happen & we’re going to build on the record that for the first time in over 70 years, the US is a net exporter of energy! <https://t.co/rkIvYlyCl9>”

“Over the last three and a half years, President @realDonaldTrump UNLEASHED American energy! Under this President, we’re NEVER going to ban fracking and we’re going to have energy independence for generations to come! <https://t.co/8nTUDXUVr>”

²⁹ Topic27 ツイート例：“Joe Biden is willing to sacrifice hundreds of thousands of blue-collar jobs for the sake of his radical environmental agenda. With four more years of President @realDonaldTrump, we’ll have MORE fracking, more American energy & energy independence for generations to come! <https://t.co/FoTFqetrzq>”

“Joe Biden & the radical left want to crush American energy under a \$2T Green New Deal that would COST American jobs & they want to raise electricity costs for every household & business in NH. But with President @realDonaldTrump in the @WhiteHouse, we’ll keep fighting for YOU! <https://t.co/2gQUBHoTat>”

³⁰ Topic6 ツイート例：“RT @KarenPence: We need strong, hardworking Republicans like @DavidSchweikert, @DebbieLesko, & @Tiffany_Shedd in Congress. They will roll u…”

“RT @KarenPence: Thank you to @TeamTrump workers in Michigan! Y’all are working so hard to KEEP MICHIGAN RED and we are so grateful! We need…”

³¹ Topic19 ツイート例：“RT @NancyMace: This week, we are honored to have Second Lady Karen Pence in Charleston to campaign for Team Mace! 🇺🇸”

“RT @dougducey: The @SecondLady is a true champion of military families. Thank you, Second Lady @KarenPence, for leading the charge to care…”

³² Topic30 ツイート例：“.@SecondLady and I were truly honored to travel to New York City today to Remember the Fallen and pay tribute to the Heroes of 9/11. We will Never Forget the nearly 3,000 men and women lost that day and their families are in our hearts and prayers. #NeverForget <https://t.co/Kfgi2m5wZk>”

“.@SecondLady and I were truly honored to join @Franklin_Graham and thousands of Believers for the #PrayerMarch2020 in Washington DC today. Thank you for your prayers, America. 🇺🇸 <https://t.co/p1l6j8Cp69>”

が生じていたとして、経済社会の建て直しについて多く言及があった。④ヒスパニックをはじめ、移民を意識した英語以外の言語でのツイートが見られた。

①について、Topic1 (“health”, “care”)は健康医療政策についてであり、無策なトランプ政権を批判している³³。Topic30 (“covid”, “crisis”, “truth”, “fail”)においても、トランプ氏が新型コロナウイルスへの初動を誤ったと批判していることが読み取れる³⁴。Topic2 (“political”, “politics”, “vaccine”, “save”, “life”, “science”)では、新型コロナウイルスのワクチンを政治の道具にしようとするトランプ氏を非難している³⁵。このような非難だけに終始せず、自身が当選した場合の医療政策、とりわけ新型コロナウイルスへの対応策についても述べている。例えば Topic8 (“fight”, “right”, “hear”, “doctor”, “fauci”)からは、専門家の意見に耳を傾け、健康医療を皆の権利として、懸命に職務を果たしていく姿勢をアピールしている³⁶。

②の人種差別については、Topic26 (“change”, “black”, “action”)から、レッドライニング（金融機関が低所得の黒人が多く住む地域を融資対象から除外すること）をはじめとする黒人差別への批判、黒人差別解消への決意が分かる³⁷。また、黒人差別のように人種に限らず、性的指向や性別等、特定の属性の人々に対する憎悪を動機とする犯罪であるヘイト・クライムや、女性に対する暴力、銃がもたらす暴力についても Topic27 (“violence”)³⁸,

³³ Topic1 ツイート例：“The fact of the matter is Donald Trump doesn't have a health care plan. I do — and you can read it here: <https://t.co/gm6jgUrcaT> <https://t.co/LbvDvFj4m8>”

“We’ve been waiting years for President Trump to reveal his grand plan for health care, and he still has nothing to show. I’ve laid out exactly what I’ll do. Take a look: <https://t.co/34NCSYhO2C>”

³⁴ Topic30 ツイート例：“COVID-19 cases are on the rise across the nation. But instead of leading by example, Donald Trump continues to put others in danger with his campaign events that ignore expert-recommended precautions. Every day he proves just how unfit he is to lead America through this crisis.”

“When we needed Donald Trump to tell the truth about COVID-19, he lied to us. When we needed him to take action to contain its spread, he spent his days golfing. When we needed a president the most, he was nowhere to be found. It’s unforgivable.”

³⁵ Topic2 ツイート例：“A safe and effective COVID-19 vaccine could save countless lives. We need one as soon as possible. But while I see a vaccine as a product of science, President Trump sees it as a political tool. Politics should play no role in this. The Administration must answer the following:”

“It’s estimated that nearly another 200,000 Americans could lose their lives by the end of the year because of this virus. Enough. No more. Let’s set the partisanship aside. Let’s end the politics. Let’s follow the science.”

³⁶ Topic8 ツイート例：“More than 1,000 people died from COVID yesterday. … If I’m president, you might not always agree with me. But I promise you I will always show up and fight for you.”

“It’s simple: Donald Trump thinks health care is a privilege. I think it is your right..”

“2: Who will validate that the Administration’s decision to greenlight a COVID-19 vaccine is driven by science and not political motivation? We must hear uncensored statements on efficacy and safety from @FDACBER, the @US_FDA vaccine advisory committee, and Dr. Fauci.”

³⁷ Topic26 ツイート例：“For far too long, discriminatory policies like redlining have kept Black Americans from having the same opportunities as white Americans. That’s got to change: <https://t.co/ycM5gKCGyV> <https://t.co/mmb0u5kqZq>”

“I often think about what it takes for a Black person to love America. That is a deep love for this country that, for far too long, has not been recognized. It’s time we fulfilled our nation’s founding promise: equality for all. Here’s how we’ll do it: <https://t.co/wH2hVq7UL2>”

³⁸ Topic27 ツイート例：“I promise that as president, I’ll make reauthorizing the Violence Against Women Act a top priority

Topic29 (“hate”)³⁹で関心を寄せていることが分かり、撲滅のために働くとしている。

③の雇用・労働政策については、Topic3 (“create”, “job”, “good”, “future”)からも分かように、記録的大規模な投資を行うことにより、高い給与の雇用を多数創出するとのツイートがよく見られた⁴⁰。Topic10 には、“raise”, “wage”, “thank”, “essential”という単語が見られる。これはスーパーの店員や医療従事者等、コロナ禍で感染の危険がありながらも、多くの人々の日常生活を支える職種を指すエッセンシャル・ワーカーへの感謝を述べるとともに、最低賃金の引き上げにより、彼等の労働待遇の改善を誓っていると考えられる⁴¹。さらに、Topic24 (“economy”, “build”, “work”, “well”)では、コロナ禍の前から既に経済はうまく機能していなかったとして、経済の単なる復旧ではなく、建て直しを主張している⁴²。

バイデン氏のツイートで最も特徴的なのが、英語以外の言語による発信である。Topic22 (“la”, “de”)では、スペイン語を使い、ヒスパニック系の有権者に働きかけている⁴³。また、筆者が確認した限り、韓国語でもツイートが行われていた⁴⁴。これは、多様性重視の姿勢を

and continue working to end gender-based violence. <https://t.co/wmN7bSAUVg>

“It’s long past time we take action to end the scourge of gun violence in America. As president, I’ll ban assault weapons and high-capacity magazines, implement universal background checks, and enact other common-sense reforms to end our gun violence epidemic.”

³⁹ Topic29 ツイート例：“The names of George Floyd and Breonna Taylor and Jacob Blake will not soon be forgotten. Not by me. Not by us. Not by this country. They’re going to inspire a new wave of justice in America.”

“Today marks 22 years since Matthew Shepard passed away after a brutal anti-gay hate crime. Over two decades later, violence against LGBTQ+ Americans is at an all-time high. As president, I’ll strengthen our hate crimes laws and make clear that bigotry has no place in America.”

⁴⁰ Topic3 ツイート例：“As president, I’ll make record investments in American industry and create millions of good-paying, union jobs. We’re going to make sure the future is made in America — and built by union workers. <https://t.co/rt5RD9Fdi0>

“We’re going to build back better and we will do it while creating a brighter future for you and your families. This week @KamalaHarris and I sit down to discuss how we are going to move forward—together. Join us on Tuesday. <https://t.co/hebsifEEHL>

⁴¹ Topic10 ツイート例：“It’s not enough to just thank our essential workers — we need to pay them. As president, I’ll: - Raise the minimum wage to \$15 - End the tipped minimum wage - End the sub-minimum wage for people with disabilities - Ensure everyone has strong benefits”

“It’s safe to say I’ve gotten to know the hardworking men and women of @Amtrak over the years — I’m proud to stand with them as they face furloughs due to funding cuts. These essential workers have kept us moving during this pandemic — now it’s time we have their backs.

<https://t.co/aoaTYZdhoF>”

⁴² Topic24 ツイート例：“The hard truth is that our economy wasn’t working for folks long before this crisis. It’s why we can’t just go back to the way things were — we have to build back better. Here’s how we’ll do it: <https://t.co/rt5RD9Fdi0>

“The truth is the economy wasn’t working for folks long before these crises hit. It’s why @KamalaHarris and I won’t just build back to the way things were — we’ll build back better. We won’t be satisfied until the economy starts working for everyone.”

⁴³ Topic22 ツイート例：“Florida — la decisión de hoy de extender la fecha para inscribirse para votar es una victoria para nuestra democracia. Si no te has registrado, visita <https://t.co/SSNUK7cjLs> antes de las 7 PM ET e inscríbete. Esta elección es demasiado importante para no participar.”

“Arizona — ¡la fecha límite para registrarte para votar en Arizona ha sido extendida! Visita <https://t.co/nApec6sbPe> para registrarte en línea antes de las 11:59PM el jueves 15 de octubre.”

⁴⁴ 韓国語 ツイート例：“On behalf of Jill and our entire family, I want to wish the Korean-American community a happy Chuseok. May your celebrations be filled with laughter, joy, and plenty of good food. 행복한 한가위

示し、トランプ氏との対比を打ち出す戦略が現れたのではないかと考えられる。

なお、“climate”という単語を使用し、環境保護について発信したツイートはあるものの、バイデン氏のトピックとして環境保護が抽出されなかった点は興味深い。この結果の一つの説明としては、激戦州とされたペンシルバニア州が考えられる。ペンシルバニア州は、アパラチア油井・ガス田地域の大きな部分を占めており、シェールガスやシェールオイル採掘には環境に負荷がかかると言われる水圧破碎法(fracking)が使われている。環境保護を前面に押し出しすぎると、ペンシルバニア州のエネルギー産業従事者の支持離れを招く可能性があると考えたのかもしれない。

5-4. ハリス氏

ツイートの特徴としては次の2点である。①バイデン氏と同じく、新型コロナウイルス対策や医療健康、経済・雇用労働、人種差別、警察改革などといった個々の政策論点が表示されていたが、環境保護についても抽出された。②大統領に求められる資質について発信したり、事前投票や民主党の選挙活動への協力を呼びかけたりするという、大統領候補のバイデン氏を副大統領候補として支える姿勢が感じられる内容が多かった。

①の個別の政策論点については、Topic10 (“health”, “care”)⁴⁵や Topic 27 (“covid”, “fail”)⁴⁶ からトランプ政権下での健康医療政策（新型コロナウイルス対応）を批判し、適切に対応できる大統領としてバイデン氏が必要だと主張していることが分かる。Topic2 (“good”, “pay”, “job”, “high”, “stake”)では、高い給料を得られる仕事の創出を行い、経済を再建していくということが読み取れる⁴⁷。Topic11 (“racial”, “justice”, “police”, “reform”)⁴⁸では、分断した社会ではなく、皆が一丸となって警察改革や刑事司法改革に取

보내세요!”

⁴⁵ Topic10 ツイート例：“Trump and Pence are doing everything they can to rip away health care for millions of Americans in a global pandemic. When elected, @JoeBiden and I will do everything we can to ensure health care is a right for all—not a privilege for the few.”
“Trump and Pence want to take health care away from millions—and they have no plan to replace it with. Tune in now to hear how @JoeBiden and I will build on the success of the Affordable Care Act. <https://t.co/Ouxt02CQfY>”

⁴⁶ Topic27 ツイート例：“The Trump administration failed to address COVID-19, and now our students are paying the price. @JoeBiden and I will be ready on day 1 with a roadmap for reopening our schools and keeping kids and educators safe. <https://t.co/2SQJipqzBj>”
“Trump has abdicated his duty and failed to lead on every significant aspect of our country’s COVID-19 response. We can’t let that happen with a coronavirus vaccine. The stakes are too high to not get this right. <https://t.co/tdf296qPbp>”

⁴⁷ Topic2 ツイート例：“A Biden-Harris administration will create millions of good-paying, union jobs and ensure the future is made in America — by all of America. Tune in as @JoeBiden speaks in Hermantown, MN on how we’ll get it done. <https://t.co/D3XkkfrJk1>”
“More than 219,000 Americans have died from COVID-19 and we’ve seen the worst economic crisis since the Great Depression. The stakes could not be higher in this election. Join me live from Florida. <https://t.co/XfO5VX1tyw>”

⁴⁸ Topic11 ツイート例：“Only when we come together for meaningful police reform and broader criminal justice reform will we be able to reckon with racial injustice in our country. <https://t.co/GZn5tkf4d8>”
“Trump has inflamed the racial divides in our country these past four years. But getting Trump out of office won’t be enough. @JoeBiden and I have a plan to root out systemic racism across our laws

り組むことで初めて、人種差別問題を解決できると主張しており、BLM 運動を意識した話題を取り上げている。

加えて、バイデン氏には見られなかった環境政策のトピックが、ハリス氏では抽出された。Topic30(“create”, “climate”, “leader”)では、気候変動に対処し、不安定な気候変動による損害を軽減するために積極的に取り組むとしている⁴⁹。Topic6(“history”, “firefighter”)は2020年に地元カリフォルニアで発生した山火事(シルベラード火災等)についてだと思われる⁵⁰。この山火事は、当時、カリフォルニア史上最悪と言われたが、この山火事が気候「危機」によって悪化したとハリス氏は主張し、気候危機に対して速やかに行動をとる必要があると述べている

②について、選挙協力や投票呼びかけが多く、自身の登壇する選挙集会の宣伝も含めると、全トピックの3分の1程度を占めた。例えば、Topic29(“leadership”)では、分断した社会を一つにまとめ上げることができるリーダーが必要だと発信したり⁵¹、Topic25(“deserve”, “every”)では、バイデン氏の投稿をリツイートしたりするなどして、暗喩的にトランプ氏と対比し、バイデン氏が大統領にふさわしいと発信していた⁵²。また、Topic18(“sure”, “register”, “early”, “ballot”, “matter”)に見られるように、事前投票や選挙協力の話題も多い⁵³。Topic26(“black”, “voter”, “visit”)⁵⁴では黒人有権者向けに選挙情報を発信して

and institutions—in everything from policing to housing.”

⁴⁹ Topic30 ツイート例: “It’s time for new leadership in our country. If we are elected, @JoeBiden and I will take seriously the changes in our climate and actively work to mitigate against the damage. It can’t wait. <https://t.co/VeCSfhxVJQ>”

“RT @JoeBiden: The unrelenting impact of climate change affects every single one of us. It requires action, not denial. It requires leaders…”

⁵⁰ Topic6 ツイート例: “Over the past few years, CA has experienced some of the largest, most destructive wildfires in history—fueled & intensified by the climate crisis. While Trump denies the evidence of this crisis, @JoeBiden will get to work taking the drastic action we need on day 1 to combat it. <https://t.co/NNWH14aJjT>”

“My heart breaks watching the fires, including the #SilveradoFire, tear through our beautiful state. @DouglasEmhoff and I are thinking of our firefighters and first responders. To the tens of thousands under evacuation orders, please listen to local officials. Stay safe.”

⁵¹ Topic29 ツイート例: “Under @JoeBiden’s leadership we can become a nation united, a nation strengthened, and a nation healed. Watch as @JoeBiden speaks live about our promise for America. <https://t.co/RfkOyL2CjI>”
“The coronavirus advisors Trump is surrounding himself with? One who has been called the “anti-Dr. Fauci” doesn’t have a background in infectious diseases or epidemiology. We need new leadership. Lives depend on it. <https://t.co/fYdFFJrxCi>”

“Donald Trump failed in his most basic duty to protect the American people and tell us the truth. It’s unforgivable. We deserve real leadership when it comes to combating this pandemic, which is why we must elect @JoeBiden in November. <https://t.co/5a09MXqfC5>”

⁵² Topic25 ツイート例: “RT @JoeBiden: You deserve a President and Vice President who will spend every minute of every day working to make your life better. I prom…”

“Americans deserve a president that speaks truth. <https://t.co/PNV7AoPbiI>”

“RT @JoeBiden: Trump and Pence are running on this: “You won’t be safe in Joe Biden’s America.” And what’s their proof? The violence you’re…”

⁵³ Topic18 ツイート例: With only 62 days until Election Day, now is the time to make a plan to vote. Make sure you’re registered at <https://t.co/MykJL0X5gt>. Then make your plan. Vote early if you can, either in-person while wearing a mask or by requesting a ballot by mail. Your vote matters.”

いる。これは、副大統領候補として、大統領候補のバイデン氏を支える姿勢の表れだと言える。実際、図1や図6で既に示した選挙期間におけるバイデン氏とハリス氏のツイート数の変遷を見ても、両者は同じような増減の動きを見せつつ、1日あたりの総ツイート数ではバイデン氏よりもハリス氏の方が少なくなっている。これは、選挙で勝利すれば、初の女性・黒人・(南)アジア系の副大統領となるという自身への注目を使い、選挙動員に力点を置いてTwitterによる選挙活動を行った結果だと考えられる。

6. 結論

本分析では、大統領選挙前の約2カ月間におけるトランプ氏、ペンス氏、バイデン氏、ハリス氏の各人が投稿したツイート内容から機械学習手法を用いてトピックを抽出した結果、4者の違いが明らかになった。

トランプ氏では抽出されなかった宗教保守派を念頭においたトピックがペンス氏のトピックとして出現したり、バイデン氏ではうまく抽出できなかった環境政策がハリス氏のトピックとして見て取れたりし、大統領候補と副大統領候補との間で一定の補完関係にあることが分かった。また、4者とも国内政策が中心で、対外政策に関するトピックはほとんど抽出されなかった。

個別に見ていくと、トランプ氏のツイートの特徴は、他者への非難・攻撃と、自身の政権期間における業績、そして支持層へのアピールとして人工中絶反対や、米国憲法第二修正（国民に武器保有を認める権利）擁護、法と秩序、安全保障を取り上げたことである。

ペンス氏のツイートには、激戦州を含む一部州での選挙活動や、福音派としての宗教的価値観（特に人工妊娠中絶の反対）、エネルギー産業推進・環境保護政策批判、そして、家族愛を通じた保守派への発信戦略が垣間見えた。

バイデン氏のツイートは、新型コロナウイルス対策を主とする健康医療政策、人種差別をめぐる対応、雇用・労働政策、そしてヒスパニック等移民を意識した各国語での発信が特徴的であった。

ハリス氏については、バイデン氏と同様の個別の政策論点に加え、環境保護についても抽出されたことと、副大統領候補として、大統領候補のバイデン氏を支える姿勢が感じられるのツイート内容が多かった。

“With only three days left until Election Day, we need your help. Text or call 3 friends to make sure they've voted, returned their ballot, or have a plan to vote on Election Day. Ask them to visit <https://t.co/VbrfuqVy9P> for the information they need.”

⁵⁴ Topic26 ツイート例： “Tune in LIVE as we close out our National Black Voter Day Block Party. Don't forget to visit <https://t.co/MykJL0FtRT> to confirm your registration and make your plan to vote! <https://t.co/IIyRRBiLL4>”
“The Black community understands just how critical this election is—because we are living the consequences of the last election every day. So on the first National #BlackVoterDay, it's up to us to act. To participate. To vote. Let's do this. <https://t.co/qWTjMIn1k1>”

7. 今後の研究に向けて

本分析では、大統領選挙前の約2カ月間におけるトランプ氏、バイデン氏、ペンス氏、ハリス氏の各人が投稿したツイートのトピックの違いが明らかになった。機械学習手法によるツイート分析は、政策立案や分析の際に、対象ユーザの関心分野を概括的に把握する点で、一定の有用性を持つと考えられる。

しかし、似たような話題が異なるトピックとして抽出されており、解釈に時間を要した。これは、佐々木 et al[15]が指摘したように、「1ツイートを1文書とすると、文書の長さやノイズの多さにより、LDAが有効に機能しないことが多い」と考えられる。Twitterのツイートのような短く時系列のある文章に、より適切に対応したトピックモデルを作ることができれば、性能の向上が期待できるかもしれない。

また、今回のLDA等の実装にはオープンソースライブラリであるgensimを使用したため、時系列分析にうまく対応ができなかった。時系列分析に対応したトピックモデルを作成することができれば、各候補者の支持率データ等の時系列データと組み合わせてみたときに、興味深い相関関係を見つけることができるかもしれない。

8. 謝辞

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(別表) 各人のトピック

Topic #	トランプ氏のトピックと、関連するツイート内容の抜粋
0	ノースカロライナ州での選挙活動 “Heading to North Carolina. See you soon!” “Will soon be heading to Wilmington, North Carolina, and then will be going to Battleship North Carolina. Look forward to seeing all of my friends!”
1	治安・安全保障 “We will end surprise medical billing, require price transparency, lower drug prices even more, protect Social Security and Medicare, and we will ALWAYS protect patients with pre-existing conditions! https://t.co/0otWkqA1wC ” “RT @SenateGOP: Stronger trade deals. Killing terrorists. National security tools. Justice reform. Coronavirus relief. Democrats spent the…”
2	あなたの大好きな大統領（自画自賛） “Now they are trying to say that your favorite President, me, went to Walter Reed Medical Center, having suffered a series of mini-strokes. Never happened to THIS candidate - FAKE NEWS. Perhaps they are referring to another candidate from another Party!” “Once again, Sleepy Joe told the press they could go home at 9 A.M. Meanwhile, your Favorite President, me, will go to Reno, Nevada tonight, three stops in Las Vegas tomorrow, with California and Arizona on schedule Monday. Don’t worry, we won’t be taking off Tuesday, either!”
3	民主党への批判 “Radical Left Democrats are going CRAZY!” “I have taken the toughest-ever action to stand up to China’s rampant theft of Michigan jobs. Sleepy Joe Biden has vowed to remove those Tariffs and allow China to resume its pillaging. Joe Biden’s Agenda is Made in China, my agenda is Made in the USA! https://t.co/z8EuVOUYLE ”
4	メディア批判 “RT @BuckSexton: It’s obvious that the media’s plan is to bury us all in an avalanche of lies and lunatic conspiracy theories in the hopes t…” “The Democrats, together with the corrupt Fake News Media, have launched a massive Disinformation Campaign the likes of which has never been seen before. They will say anything, like their recent lies about me and the Military, and hope that it sticks… But #MAGA gets it!”
5	その他
6	自身に関する書籍についての宣伝 “RT @julie_kelly2: So this seems like a good time to announce the forthcoming release of my very first book on #NeverTrump. Coming June 16!…” “Exclusive Excerpt--Lewandowski & Bossie: ‘Trump: America First: The President Succeeds Against All Odds’ https://t.co/8NVtLK2VU9 via

	@BreitbartNews. Great book. Order now!”
7	<p>民主党寄りの米連邦捜査局(FBI)への批判</p> <p>“Why aren’t the Portland Police ARRESTING the cold blooded killer of Aaron “Jay” Danielson. Everybody knows who this thug is. No wonder Portland is going to hell! @TheJusticeDept @FBI”</p> <p>““Trump Was Right’: Explosive New FBI Texts Detail Internal Furor Over Handling Of ‘Crossfire Hurricane’ Investigation — Newly disclosed internal FBI notes & text messages detail the extent of the FBI's desire to take down Trump & his associates at any cost.https://t.co/KsHIId8YJVD”</p>
8	<p>イスラエルとアラブ諸国との国交正常化</p> <p>“RT @DNI_Ratliffe: Today’s agreement between Israel and the United Arab Emirates is a historic step towards a more peaceful Middle East. Co…”</p> <p>“HISTORIC day for PEACE in the Middle East — I am welcoming leaders from Israel, the United Arab Emirates, and the Kingdom of Bahrain to the White House to sign landmark deals that no one thought was possible. MORE countries to follow! https://t.co/whyJpNPri”</p>
9	<p>ホワイトハウスのツイート</p> <p>“RT @WhiteHouse: President @realDonaldTrump is delivering remarks on protecting and preserving Florida's environment and natural resources!…”</p> <p>“RT @WhiteHouse: LIVE: President @realDonaldTrump delivers remarks at a peaceful protest for law & order https://t.co/BlGvcjjNVX”</p>
10	<p>民主党への批判</p> <p>“RT @RepMattGaetz: Democrats want to scare the American people about Russia when we know the real threat the United States faces is from Chi…”</p> <p>“RT @JudiciaryGOP: Hunter Biden’s emails are NOT Russian disinformation. They are real. Period.”</p>
11	<p>民主党地域への批判</p> <p>“My Administration will do everything in its power to prevent weak mayors and lawless cities from taking Federal dollars while they let anarchists harm people, burn buildings, and ruin lives and businesses. We’re putting them on notice today. @RussVought45”</p> <p>“They are not “peaceful protesters”, as Sleepy Joe and the Democrats call them, they are THUGS - And it is all taking place in Democrat run cities. Call me and request Federal HELP. We will solve your problems in a matter of minutes - And thanks to the U.S. Marshalls in Portland!”</p>
12	<p>民主党に不利なニュース</p> <p>“RT @thebradfordfile: CNN finally has a bombshell news story, but it's sexual harassment allegations against Chris Cuomo.”</p> <p>“Obama is campaigning for us. Every time he speaks, people come over to our side. He didn’t even want to endorse Sleepy Joe. Did so long after primaries</p>

	were over!”
13	<p>共和党議員候補の選挙応援</p> <p>“Kimberly Klacik is really working hard to help the people of Baltimore. She is running for Congress as a Republican, & if she wins she will be an inspiration to all. She is strong on inner city rebuilding, healthcare, our Military & Vets. She has my Complete & Total Endorsement!”</p> <p>“Lisa McClain (@LisaForCongress) will be an incredible Congresswoman for Michigan! She is Strong on the Economy & Jobs, Border Security, Infrastructure, our Military & Vets, and the Second Amendment. Lisa has my Complete and Total Endorsement! #MI10 https://t.co/r2NokBwGfW”</p>
14	<p>消費者への実績アピール（薬価やエネルギー料金の引き下げ）</p> <p>“Just signed a new Executive Order to LOWER DRUG PRICES! My Most Favored Nation order will ensure that our Country gets the same low price Big Pharma gives to other countries. The days of global freeriding at America’s expense are over...”</p> <p>“The SECOND PILLAR of the America First Healthcare Plan will lower costs for families and seniors. The days of ripping off American patients are over. Today, I signed an historic executive order that ENDS surprise medical billing. https://t.co/6jjvOYcJx3”</p> <p>“This is the most important election in the history of our Country. With your vote, we will continue to bring back your jobs, lower drug prices, support our police, protect the #2A, defend our borders, and ensure more products are proudly stamped with the phrase MADE IN THE USA! https://t.co/M0Ba8QR7Nl”</p> <p>“Just signed an order to protect fracking and the oil and gas industry. This means JOBS, low energy bills, and continued AMERICAN ENERGY INDEPENDENCE! Sleepy Joe would BAN fracking and destroy American energy jobs! He has NO clue!!”</p> <p>“The FINAL PILLAR of the America First Healthcare Plan—better care! The historic action I took today includes the first-ever executive order to affirm it is the official policy of the United States Government to protect patients with pre-existing conditions.https://t.co/9EzYwHydwQ”</p>
15	その他
16	<p>バイデン氏への批判</p> <p>”WSJ Editorial Board: Joe Biden Must Answer Questions About Hunter Biden and China https://t.co/pF2M9i9OSu via @BreitbartNews Joe Biden is a totally corrupt politician, and got caught. At least now he won’t be able to raise your Taxes - Biggest increase in U.S. history!”</p> <p>“Biggest & Fastest Financial Recovery In History. Next year will be BEST EVER, unless a very Sleepy person becomes President and massively raises</p>

	your taxes - In which case, CRASH!"
17	<p>ペロシ氏への批判</p> <p>"The Beauty Parlor owner must really dislike Crazy Nancy Pelosi. Turning her in, on tape, is a really big deal. She probably treats him like she treats everyone else...And she strongly supported a Kennedy who just lost in, of all places, Massachusetts!"</p> <p>"Pelosi and Schumer want Trillions of Dollars of BAILOUT money for Blue States that are doing badly, both economically and in terms of high crime, as a condition to making a deal on stimulus - But the USA is coming back strong!"</p>
18	<p>新型コロナウイルス感染者数</p> <p>"RT @WhiteHouse: New COVID-19 cases in the United States have declined by 38% over the last month. https://t.co/jD9RBPmlr5"</p> <p>"The Fake News is talking about CASES, CASES, CASES. This includes many low risk people. Media is doing everything possible to create fear prior to November 3rd. The Cases are up because TESTING is way up, by far the most, and best, in the world. Mortality rate is DOWN 85% plus!"</p>
19	<p>クオモニューヨーク州知事の新型コロナウイルス対応の批判</p> <p>"Governors Andrew Cuomo of New York has the worst record on death and China Virus. 11,000 people alone died in Nursing Homes because of his incompetence!"</p> <p>".@NYGovCuomo should get his puppet New York prosecutors, who have been illegally after me and my family for years, to investigate his incompetent handling of the China Virus, and all of the deaths caused by this incompetence. It is at minimum a Nursing Home Scandal - 11,000 DEAD!"</p>
20	<p>法と秩序、最高裁</p> <p>"Heading to Kenosha, Wisconsin, to thank Law Enforcement and the National Guard for a job well done. The Violence stopped six days ago, the moment the Guard entered the picture. Thank you!"</p> <p>"Today, it was my great honor to nominate one of our nation's most brilliant and gifted legal minds to the Supreme Court. She is a woman of unparalleled achievement, towering intellect, sterling credentials, and unyielding loyalty to the Constitution: Judge Amy Coney Barrett... https://t.co/l2yezt2UOi"</p>
21	<p>労働者等、市政の人々への寄り添い</p> <p>"Just signed an order to support the workers of Delphi Corporation and make sure that we protect the pensions of all American workers! Obama-Biden FAILED American workers and FAILED the workers of Delphi. I ALWAYS put American workers FIRST!"</p> <p>"For 47 years, Sleepy Joe Biden betrayed Hispanic-Americans. Now he wants to close your small businesses, eliminate school choice, and attack our Hispanic Law Enforcement Heroes. I will always stand with the incredible</p>

	Hispanic-American community! https://t.co/4KMnlRkg7c ”
22	<p>バイデン氏とメディアへの批判</p> <p>“This guy is given the answer to questions, which he reads from his teleprompter. Is Donna involved in this scam? Could you imagine if I got caught doing this. The media will never report this scam (FAKE) candidate. Sad! https://t.co/ywvgsZAmEd”</p> <p>“Might as well mention this because it will never be reported by the Lamestream Media! https://t.co/5qqZrr9hXz”</p>
23	<p>一期目の経済的業績と二期目へのアピール</p> <p>“Under my leadership, our ECONOMY is now growing at the fastest rate EVER recorded—33.1%! While foreign nations are in freefall, we are creating the world’s greatest ECONOMIC POWERHOUSE! Get out and VOTE on November 3rd, so we can keep it going! #MAGA https://t.co/LMtLmbruru”</p> <p>“When a Kennedy loses a Democrat Primary in Massachusetts, by a lot, it just shows how far LEFT that party has gone. Joe Hiden’ will never be able to hold them back. Life, 2nd A, Energy, Religion, Jobs and the Economy, would be totally obliterated!”</p> <p>“Thank you very much to the great @WashTimes for the wonderful Endorsement of the job I have done as President. “His record of achievement in his first term is unmatched by any president in modern times. A second term is likely to bring more successes and a stronger America.””</p>
24	<p>自身への賞賛</p> <p>“I was honored to be back in Georgia with a truly incredible organization—BLACK VOICES FOR TRUMP, where I announced a brand new plan to deliver more opportunity, more security, more fairness, and more prosperity to black communities. #ThePlatinumPlan https://t.co/wBqUTUOVR6”</p> <p>“Biden FAILED BADLY with the Swine Flu. It was the Gang That Couldn’t Shoot Straight”. He didn’t have a clue. We have done an incredible job with the much tougher China Virus!”</p> <p>“T @RaheemKassam: WARNING: Democrat Data Firm Admits ‘Incredible’ Trump Landslide Will Be Flipped By Mail-In Votes Emerging A Week After El…”</p> <p>“I was honored to receive the Endorsement of the Bay of Pigs Veterans Association in 2016, and am honored once again to receive their Official Support and Endorsement in 2020. Thank you very much, I will never let you down! https://t.co/AX5UDwMYcY”</p>
25	<p>バイデン氏の批判</p> <p>“Joe Biden called me George yesterday. Couldn’t remember my name. Got some help from the anchor to get him through the interview. The Fake News</p>

	<p>Cartel is working overtime to cover it up!"</p> <p>"Biden refuses to answer questions on packing the Supreme Court. He says voters "don't deserve" to know. If they win, Dems will pack the #SCOTUS w/ radical left justices who will shred the #2A, empower violent mobs, and shield deadly criminals & terrorists. https://t.co/alVSZUDc73"</p> <p>"Can you believe what's happening!? They give Joe Biden the questions, and he reads them an answer! https://t.co/ivMw6uQ2gp"</p>
26	<p>教育についての保守派へのアピール</p> <p>"RT @theblaze: President Trump calls for 'patriotic education' in schools: 'Left's war on police, faith, history, and American values is tea...'"</p> <p>"Over the next four years, we will stop the radical indoctrination of our students, and restore PATRIOTIC EDUCATION to our schools. We will teach our children to love our Country, honor our history, and always respect our great American Flag. https://t.co/gSfSgh2KPc https://t.co/RcQg0Vtk7V"</p>
27	<p>インタビュー報道の宣伝</p> <p>"Will be interviewed tonight by @seanhannity at 9:00. Enjoy!@FoxNews"</p> <p>"RT @FrancisBrennan: Today, President Trump has answered dozens of questions from reporters. The Biden campaign started the morning by cal..."</p>
28	<p>COVID19 等の困難へ一丸となって取り組む姿勢</p> <p>"Tonight, @FLOTUS and I tested positive for COVID-19. We will begin our quarantine and recovery process immediately. We will get through this TOGETHER!"</p> <p>"RT @WhiteHouse: "My heart breaks for every grieving family that has lost a precious loved one," President @realDonaldTrump said. "Together, we will overcome"</p>
29	<p>支持者へのアピール</p> <p>"....after you Vote, which it should not, that Ballot will not be used or counted in that your vote has already been cast & tabulated. YOU ARE NOW ASSURED THAT YOUR PRECIOUS VOTE HAS BEEN COUNTED, it hasn't been "lost, thrown out, or in any way destroyed". GOD BLESS AMERICA!!!"</p> <p>"Joe Biden and the Democrat Socialists will kill your jobs, dismantle your police departments, dissolve your borders, release criminal aliens, raise your taxes, confiscate your guns, end fracking, destroy your suburbs, and drive God from the public square. https://t.co/vrjMVaZhDI"</p>
30	<p>バイデン氏の批判</p> <p>"Sleepy Joe Biden had a particularly bad day today. He couldn't remember the name of Mitt Romney, said again he was running for the U.S. Senate, and forgot what State he was in. If I did any of this, it would be disqualifying. With him, he's just Sleepy Joe!"</p>

	<p>“‘I’m running as a proud Democrat, for the Senate”. Sleepy Joe Biden today. It’s only going to get worse. It is not sustainable for our County - China will own us!!!!”</p>
31	<p>ソーシャルメディアを通じた発信</p> <p>“RT @DanScavino: President Trump🇺🇸ARIZONA! https://t.co/90cjmkw7oI”</p> <p>“WATCH: Antifa Shouts ‘Death to Your f**king Empire’ While Burning U.S. Flag https://t.co/OPO3vE5asK via @BreitbartNews These are Criminal Anarchists and must be brought to Justice! Biden fears them. @FBI”</p>

Topic #	ペンス氏のトピックと、関連するツイート内容の抜粋
0	<p>製造業界・労働者へのアピール</p> <p>“Wheels up to Pennsylvania! President @realDonaldTrump and I stand with the American Worker! #JOBSJOBSJOBS #WorkersForTrump”</p> <p>“With FOUR MORE YEARS of President @realDonaldTrump, we’ll maintain America’s unrivaled military might, we’ll make America the Manufacturing Superpower of the World, we’ll end reliance on China, we’ll protect the Second Amendment, we’ll have law & order and MORE! #AMERICAFIRST 🇺🇸 https://t.co/4t3RTOGadW”</p> <p>“RT @realDonaldTrump: Over the next 4 years, we will make America into the Manufacturing Superpower of the World & end our reliance on China…”</p>
1	<p>信仰・宗教的自由</p> <p>“RT @thehill: .@VP @Mike_Pence: "This President has stood strong for the freedom of religion of every American of every faith." https://t.co/...”</p> <p>“This is TRUMP COUNTRY! When you compare the Biden-Harris agenda with our agenda, the choice is clear: if you cherish faith, freedom, law and order, and life, in just 24 days, we’re going to reelect President @realDonaldTrump for four more years! 🇺🇸 https://t.co/et4n50YpWH”</p>
2	<p>投票呼びかけ</p> <p>“RT @GOP: This is the most important election in modern history. Make your voice heard! Register to vote here ↓ https://t.co/W5YAvyB4mo”</p> <p>“RT @IowaGOP: Welcome back to Iowa, VP @Mike_Pence! 🇺🇸 There are only 5 more days until #ElectionDay. Make sure you are ready to #KeepIowa…”</p>
3	<p>戦争やテロで亡くなった方の追悼</p> <p>“On this day 75 years ago, World War II officially ended & today we honor the millions of Americans who served this Nation from the battlefield to factories across the Country. We will never forget the courage, strength, innovation & sacrifice of America’s Greatest Generation. 🇺🇸 https://t.co/oW4LuvKlsU”</p> <p>“RT @WhiteHouse: In 2001, our Nation, united under God, made an unbreakable promise never to forget the nearly 3,000 innocent Americans who…”</p>
4	<p>政権の雇用状況改善実績アピール 1</p> <p>“RT @CNBC: “The American comeback is underway,” VP Mike Pence says after the August jobs report. https://t.co/LbAoURH4jN https://t.co/DcOeSY...”</p> <p>“Because of President @realDonaldTrump’s WINNING agenda, businesses large and small created 7 MILLION jobs in just 3 years, including 556,000 jobs right here in Florida AND the lowest unemployment rate in history!</p>

	https://t.co/GzimxiivcV “RT @realDonaldTrump: Great Jobs Numbers! 1.37 Million Jobs Added In August. Unemployment Rate Falls To 8.4% (Wow, much better than expected…”
5	選挙集会の宣伝 1 “RT @TeamTrump: TONIGHT: Watch Vice President @Mike_Pence's Remarks from Kinston, North Carolina at 6:00 pm ET! RSVP: https://t.co/3TcV33w... ” “RT @TeamTrump: TODAY: Watch Vice President @Mike_Pence's Remarks from Grand Rapids, Michigan at 12:30 pm ET! RSVP: https://t.co/nwnBUYd856... ”
6	カレン夫人のリツイート 1 “RT @KarenPence: We need strong, hardworking Republicans like @DavidSchweikert, @DebbieLesko, & @Tiffany_Shedd in Congress. They will roll u…” “RT @KarenPence: Thank you to @TeamTrump workers in Michigan! Y’all are working so hard to KEEP MICHIGAN RED and we are so grateful! We need…”
7	自身の独占インタビューの宣伝 “RT @BretBaier: Join me next on @FoxNews for my exclusive interview with @vp https://t.co/WkiOgFcj9P ” “RT @BretBaier: Tomorrow I’ll sit down for an exclusive interview with Vice President Pence live from Scranton. #SpecialReport @VP https://t... ”
8	政権の雇用状況改善実績アピール 2 “✅ 1.4 million JOBS ADDED ✅ 8.4% UNEMPLOYMENT ✅ America FIRST President @realDonaldTrump is rebuilding this economy for the American people! 🇺🇸” “Under President @realDonaldTrump, NC has seen: ✅ 257,300 jobs added since Election Day ✅ 3.3% unemployment—20 year low ✅ 14.1% growth in average hourly earnings since Election Day There’s only one person you can trust to rebuild this economy: President Donald J. Trump!”
9	選挙集会の宣伝 2 “Heading to the Great State of Florida! We’re just 19 days away from Election Day, it’s on America! 🇺🇸 #MAGA Join us: https://t.co/6GyLEixbxE ” “Just landed in the Great Lakes State! We are just 12 days away from a Great Victory for Michigan and America and we need you to head to polls and VOTE for President @realDonaldTrump! #MAGA”
10	軍寄りアピール・投票呼びかけ 1 “##TX21, get out and vote for @chiproytx! He supports our military, stands for our veterans and will fight for the Conservative values that make Texas and

	<p>America GREAT!”</p> <p>“After years of reckless budget cuts to our National Defense when Joe Biden was Vice President, this Administration has stood with the men & women of our Armed Forces from DAY ONE! President @realDonaldTrump is finally giving our military, the resources & support they deserve! https://t.co/BARCtDV19S”</p>
11	<p>ウィスコンシン州での選挙活動</p> <p>“Happy #LaborDay, America! Heading to Wisconsin with @SecGeneScalia to visit the hardworking men and women of @DairylandPower as our Administration continues to stand for the American worker! 🇺🇸 https://t.co/nqfg6bJJ3L”</p> <p>“NAFTA is gone, and the #USMCA is here to stay! President @realDonaldTrump drove a hard bargain and won a great victory for Wisconsin workers and dairy farmers! Under the #USMCA, we’re going to export \$300 million more a year in Wisconsin dairy!”</p>
12	<p>地元インディアナ州での選挙活動</p> <p>“RT @SBAList: Great seeing you on the campaign trail today, VP @Mike_Pence!!The #ProLife Movement is ALL IN to re-elect the most pro-life…”</p> <p>“En route to Indiana! Excited to join Hoosiers today as we MAKE AMERICA GREAT AGAIN! See you soon! 🇺🇸 https://t.co/arLrJvkAS4”</p>
13	<p>ノースカロライナ州での選挙活動</p> <p>“THANK YOU ELM CITY! Great to see so much enthusiasm here in North Carolina for four more years of President @realDonaldTrump! 🇺🇸 https://t.co/5SmToHFfRR”</p> <p>“RT @TeamTrump: LIVE: Vice President Pence in Elm City, NC #ElmCity #NorthCarolina Text VOTE to 88022 https://t.co/6Csq3sgMuz”</p>
14	<p>緊急の重要課題（新型コロナウイルスのワクチン、保守派の最高裁判事任命）</p> <p>“WH Task Force met today. Working around the clock to expand Testing, PPE, Therapeutics & expect to have a Vaccine by end of 2020. Grateful for the prayers for President @realDonaldTrump, @FLOTUS & EVERY American family dealing with COVID-19. We Will Get Through This Together!🇺🇸”</p> <p>“This Saturday, President @realDonaldTrump will nominate a principled Conservative woman to the Supreme Court and after the Senate fulfills their duty to advise and consent, we’re gonna fill that seat and have one more Conservative on the highest court in the land! https://t.co/dIdzYFa099”</p>
15	<p>自身の活動紹介</p> <p>“I’m proud to report that since we launched Operation LeGend, local & federal law enforcement have made more than 2,000 arrests, including suspects</p>

	<p>90 homicides. The operation in LeGend's name is going to continue to bring peace & security to cities across America, so help us God.”</p> <p>“RT @TeamTrump: Vice President @Mike_Pence on the success of Operation Legend #LawAndOrder https://t.co/KrKldcIPO1”</p> <p>“RT @markknoller: Addressing cadets at @VMI1839, a day before the 9/11 anniversary, VP Pence delivered a campaign-style speech in defense of…”</p> <p>“RT @markknoller: VP Pence arrives at Joint Base Andrews to board Air Force Two on campaign trip to battleground New Hampshire for an airpor…”</p>
16	<p>エネルギー産業推進、環境政策批判 1</p> <p>“Joe Biden & Kamala Harris have repeatedly said they're going to abolish fossil fuels & ban fracking. President @realDonaldTrump & I are not going to let that happen & we're going to build on the record that for the first time in over 70 years, the US is a net exporter of energy! https://t.co/rkIvYlyCl9”</p> <p>“Over the last three and a half years, President @realDonaldTrump UNLEASHED American energy! Under this President, we're NEVER going to ban fracking and we're going to have energy independence for generations to come! https://t.co/8nTUDXUvR”</p>
17	<p>軍寄りアピール・投票呼びかけ 2</p> <p>“President @realDonaldTrump will ALWAYS stand with our Nation's incredible Veterans!”</p> <p>“THANK YOU NORTH CAROLINA! 18 days left, let's do this! #MAGA”</p>
18	<p>選挙集会の宣伝 3</p> <p>“RT @NewsHour: WATCH LIVE: Pence holds campaign rally in Miami”</p> <p>“RT @KyleWoodman: 100+ supporters here to welcome @Mike_Pence back to Wisconsin! Wisconsinites love President @realDonaldTrump! Wisconsin…”</p>
19	<p>カレン夫人の活動</p> <p>“RT @NancyMace: This week, we are honored to have Second Lady Karen Pence in Charleston to campaign for Team Mace! 🇺🇸”</p> <p>“RT @dougducey: The @SecondLady is a true champion of military families. Thank you, Second Lady @KarenPence, for leading the charge to care…”</p>
20	<p>選挙集会の宣伝 4</p> <p>“RT @TeamTrump: LIVE: President Donald Trump in Dubuque, IA #Dubuque #Iowa Text VOTE to 88022 https://t.co/9wOz1cbSBr”</p> <p>“RT @TeamTrump: LIVE: President Donald Trump in Rome, GA #Rome #Georgia Text VOTE to 88022 https://t.co/4XewMeASdZ”</p>
21	<p>トランプ氏の素晴らしいリーダーシップ</p> <p>“Under President @realDonaldTrump's leadership, we stood for a stronger and safer America, we stood up for all our liberties, we revived our economy, and in our first three years, businesses across the Nation created 7 MILLION</p>

	<p>jobs! #WorkersForTrump https://t.co/Wn6xtwagbV</p> <p>“Under President @realDonaldTrump, @NASA revived American human space exploration as we work to put the first woman on the Moon & the first man & woman on Mars! The Artemis Plan shows we're on our way to this goal as we restore American leadership in space! https://t.co/Y75KKMIMtZ”</p>
22	<p>ミシガン等のラストベルト州での選挙活動</p> <p>“Under Joe Biden: ❌ 200,000 manufacturing jobs LOST Under President @realDonaldTrump: ✅ 500,000 manufacturing jobs ADDED across America ✅ 20,000 manufacturing jobs ADDED in Michigan”</p> <p>“THANK YOU MICHIGAN! We need you to say NO to Joe and YES to four more years of President @realDonaldTrump in the @WhiteHouse! 🇺🇸 https://t.co/9sBKXbjCMV”</p>
23	<p>英雄 (9.11 テロ、トランプ氏)</p> <p>“Nineteen years ago, America changed forever. Tomorrow, the hearts & prayers of the entire Nation will be with the nearly 3,000 families who lost loved ones. Karen & I are honored to be traveling to NYC to join the American people in paying tribute to the heroes who fell on 9/11.”</p> <p>“Today, our Nation pauses to remember those who fell on 9/11/01 and we honor the unimaginable sacrifice they made for our Country. Their memory lives on in the heart of every American and we will never forget the courage and heroism shown on that fateful morning. #NeverForget https://t.co/rCUashyAJe”</p> <p>“RT @TeamTrump: President @realDonaldTrump: While I am president, we will defend the rights of law-abiding citizens and honor the heroes tha…”</p>
24	<p>共和党議員候補の選挙応援</p> <p>“Thank you, Pennsylvania! @SchellerforPA and @Bognet4congress are proven leaders who will fight for the people of this Great state! #MAGA 🇺🇸 https://t.co/N4AdVTKGzH”</p> <p>“THANK YOU OHIO! We're just 11 DAYS away from four more years of President @realDonaldTrump fighting for YOU in the @WhiteHouse! 🇺🇸 https://t.co/Q2Gh6K50Se”</p>
25	その他
26	<p>人工中絶反対</p> <p>“Joe Biden supports late term abortion & using taxpayer dollars to pay for abortion, all the way up to the moment of birth. I couldn't be more proud to serve alongside the most pro-life President in American history, President @realDonaldTrump! https://t.co/C9GPUwkzX0”</p> <p>“Joe Biden & Kamala Harris support taxpayer funded abortion & are calling for a record increase in abortion funding at home & abroad.</p>

	President @realDonaldTrump is the most pro-life President in History & will continue to fight for the sanctity of human life for four more years! https://t.co/ad57Qoz3NQ
27	エネルギー産業推進、環境政策批判 2 “Joe Biden is willing to sacrifice hundreds of thousands of blue-collar jobs for the sake of his radical environmental agenda. With four more years of President @realDonaldTrump, we’ll have MORE fracking, more American energy & energy independence for generations to come! https://t.co/FoTFqetrzq ” “Joe Biden & the radical left want to crush American energy under a \$2T Green New Deal that would COST American jobs & they want to raise electricity costs for every household & business in NH. But with President @realDonaldTrump in the @WhiteHouse, we’ll keep fighting for YOU! https://t.co/2gQUBHoTat ”
28	各地での選挙活動 “Hello Pennsylvania! Happy to be here with @SchellerforPA and @Bognet4congress! Americans here in the Keystone State know that four more years of President @realDonaldTrump means four more years of jobs, four more years of better wages, and four more years of America FIRST!” “Hello Iowa! The people of the Hawkeye State know that with four more years, President @realDonaldTrump will continue to fight for America’s farmers, ranchers, and manufacturers!”
29	その他
30	カレン夫人との活動 “.@SecondLady and I were truly honored to travel to New York City today to Remember the Fallen and pay tribute to the Heroes of 9/11. We will Never Forget the nearly 3,000 men and women lost that day and their families are in our hearts and prayers. #NeverForget https://t.co/Kfgi2m5wZk ” “.@SecondLady and I were truly honored to join @Franklin_Graham and thousands of Believers for the #PrayerMarch2020 in Washington DC today. Thank you for your prayers, America. 🇺🇸 https://t.co/p1l6J8Cp69 ”
31	ペンシルバニア州での選挙活動 “RT @mjoyce317: Welcome back to Pennsylvania, Vice President @Mike_Pence!! If you like energy independence and you want to keep fracking job…” “Next Stop: Harrisburg, PA! Under President @realDonaldTrump we will have more jobs and more support for the amazing, hard-working men and women of the Keystone State! See you soon!”

Topic #	バイデン氏のトピックと、関連するツイート内容の抜粋
0	<p>新型コロナウイルス対応批判 1</p> <p>“We’re eight months into this pandemic and Donald Trump and Mike Pence still have no plan to deal with COVID-19. He’s still hoping it will just “disappear.” @KamalaHarris and I have a comprehensive, science-backed plan to defeat this virus. Take a look: https://t.co/xjxsDn2qCD”</p> <p>“We’re eight months into this pandemic, and Donald Trump still doesn’t have a plan to get this virus under control. I do.”</p>
1	<p>トランプ政権の健康医療政策について批判</p> <p>“The fact of the matter is Donald Trump doesn’t have a health care plan. I do — and you can read it here: https://t.co/gm6jgUrcaT https://t.co/LbvDvFj4m8”</p> <p>“We’ve been waiting years for President Trump to reveal his grand plan for health care, and he still has nothing to show. I’ve laid out exactly what I’ll do. Take a look: https://t.co/34NCSYhO2C”</p>
2	<p>新型コロナウイルス 対応批判 2</p> <p>“A safe and effective COVID-19 vaccine could save countless lives. We need one as soon as possible. But while I see a vaccine as a product of science, President Trump sees it as a political tool. Politics should play no role in this. The Administration must answer the following:”</p> <p>“It’s estimated that nearly another 200,000 Americans could lose their lives by the end of the year because of this virus. Enough. No more. Let’s set the partisanship aside. Let’s end the politics. Let’s follow the science.”</p>
3	<p>雇用創出政策</p> <p>“As president, I’ll make record investments in American industry and create millions of good-paying, union jobs. We’re going to make sure the future is made in America — and built by union workers. https://t.co/rt5RD9Fdi0”</p> <p>“We’re going to build back better and we will do it while creating a brighter future for you and your families. This week @KamalaHarris and I sit down to discuss how we are going to move forward—together. Join us on Tuesday. https://t.co/hebsifEEHL</p>
4	<p>経済立て直し 1</p> <p>“As president, I’ll build an economy that rewards work — not just wealth.”</p> <p>“If we’re elected, @KamalaHarris and I will wake up every single morning to fight for the middle class. For Main Street. For the folks who keep our country running. We’re going to make our government work for everyone — not just the wealthy and well-connected.”</p>
5	<p>選挙支援訴え 1</p> <p>“Folks, I hope I’m making you proud during tonight’s town hall. If you’re with</p>

	<p>us, please chip in to help power our campaign over these final 19 days. https://t.co/rA9WmMPRxs</p> <p>“There are just two days until Election Day, and our campaign is working around the clock to get folks to vote. Can you chip in to help us reach every last voter before polls close on Tuesday? https://t.co/owL20qONri”</p>
6	<p>暴力や分断を悪化させていることへの批判</p> <p>“Donald Trump may believe mouthing the words law and order makes him strong, but his failure to call on his own supporters to stop acting as an armed militia in this country shows you how weak he is..”</p> <p>“The words of a president matter. And time and time again, Donald Trump has callously used his to incite violence, stoke the flames of hatred and division, and drive us further apart. It’s time for it to end.”</p>
7	<p>新型コロナウイルス対応批判 3</p> <p>“Right now, classrooms should be humming with excitement for a new year and students’ hopes for their futures. Instead, many are silent and empty because President Trump didn’t do his job. America’s families are paying the price for his failures.”</p> <p>“The Trump Administration knew how deadly this virus was back in February. But they didn't tell you or your family. Instead, they gave a heads up to their friends on Wall Street so investors could make a profit before the recession hit. They hid the truth. It's unforgivable.”</p>
8	<p>新型コロナウイルス対策 1</p> <p>“More than 1,000 people died from COVID yesterday. … If I’m president, you might not always agree with me. But I promise you I will always show up and fight for you.”</p> <p>“It’s simple: Donald Trump thinks health care is a privilege. I think it is your right..</p> <p>“2: Who will validate that the Administration’s decision to greenlight a COVID-19 vaccine is driven by science and not political motivation? We must hear uncensored statements on efficacy and safety from @FDACBER, the @US_FDA vaccine advisory committee, and Dr. Fauci.”</p>
9	<p>自身の選挙集会の宣伝 1</p> <p>“RT @TeamJoe: Tonight is our August fundraising deadline, and we need your help to make sure we finish strong. We can't do this alone -- ev…”</p> <p>“RT @TeamJoe: Join us TONIGHT at 8:00 PM ET for our #NationalVoterRegistrationDay Rally! To get ready for the event, tell us why voting is…”</p>
10	<p>対労働者政策</p> <p>“It's not enough to just thank our essential workers — we need to pay them. As president, I'll: - Raise the minimum wage to \$15 - End the tipped minimum</p>

	<p>wage - End the sub-minimum wage for people with disabilities - Ensure everyone has strong benefits”</p> <p>“It's safe to say I've gotten to know the hardworking men and women of @Amtrak over the years — I'm proud to stand with them as they face furloughs due to funding cuts. These essential workers have kept us moving during this pandemic — now it's time we have their backs. https://t.co/aoaTYZdhoF”</p>
11	<p>自身の選挙集会の宣伝 2</p> <p>“RT @TeamJoe: Join @JoeBiden and @DrBiden as they travel by 🚂 through OH and PA. Along the way, listen to soothing tunes and watch the sceni…”</p> <p>“The election is underway across the country, and millions of Americans have already cast their ballots. I’m in Detroit, Michigan, to encourage folks to join them and vote early. Tune in. https://t.co/8QXIDNjKzi”</p>
12	<p>新型コロナウイルス対策 2</p> <p>“Today, we'll pass another grim milestone in this pandemic: 200,000 American lives lost. Jill and I are keeping everyone who's hurting in our prayers. No words can numb your pain, but know the nation grieves with you. Today is dark, but we will overcome this. Keep the faith.”</p> <p>“I promise you that if I’m elected, I’ll always tell you the truth. I’ll listen to the experts and do everything I can to contain this virus. And I’ll always put your health and safety first — no matter the political cost.”</p>
13	<p>国内外の悲しい出来事に対する寄り添い</p> <p>“Jill and I are keeping the Gulf Coast in our prayers tonight. If you’re in Hurricane Delta’s path, please heed the advice of local officials, take steps to prepare, and stay safe. https://t.co/GAtLxm1n3S”</p> <p>“President Shri Pranab Mukherjee was a devout public servant who believed deeply in the importance of our two nations tackling global challenges together. Jill and I are saddened to hear of his passing — our prayers go out to his loved ones and the Indian people. https://t.co/SJfaDEKjGi”</p>
14	<p>トランプ氏の政策に対する批判 1</p> <p>“1: What criteria will be used to ensure a vaccine meets the scientific standard of safety and efficacy? The FDA must clarify what criteria it will use, and President Trump must commit to respecting the independent judgment of the non-political professional staff at the FDA.”</p> <p>“Time and again, the president has refused to provide Puerto Rico with much-needed resources. He’s repeatedly insulted Puerto Ricans and this latest action is another example of his disrespect for the island. This ends when I’m elected president. https://t.co/FitVSF18bS”</p>
15	<p>トランプ氏の政策に対する批判 2</p> <p>“In 2016, President Trump promised to reduce the trade deficit and said: "You will see a drop like you've never seen before." The reality? It's the highest it's</p>

	<p>been in 12 years. American workers can't afford another four years of his failed leadership.”</p> <p>“After campaigning in 2016 to lift up the ‘forgotten man,’ President Trump has completely lost sight of working people. I promise you this: I never will. https://t.co/mbcxYtv80U”</p> <p>“More than 230,000 Americans have died from COVID-19 – – and Donald Trump has given up on trying to get the virus under control. He may have quit on you, but I promise I never will.”</p>
16	<p>良識ある行動の訴え</p> <p>“We need to restore honor and decency to the White House.”</p> <p>“Honor and decency are on the ballot this November. https://t.co/pWmWySJAs5”</p> <p>“Decency, honor, respect, treating people with dignity, making sure that everyone has an even chance. I'm going to make sure you get that. You haven't been getting it the last four years. https://t.co/KhQIGGZHIH”</p>
17	<p>トランプ氏再戦阻止の訴え</p> <p>“Wisconsin — today is your last day to register to vote online or by mail. Apply online by 11:59 PM or make sure your mail application is postmarked by today. Don't let history repeat itself. Head to https://t.co/YtDgQAoMCh to register now. https://t.co/k9pZKeAW2b”</p> <p>“We've had to endure President Trump's incompetence and dishonesty when it comes to testing, wearing masks, and socially distancing. We can't afford a repeat of those fiascos with a COVID-19 vaccine. The stakes are too high.”</p>
18	<p>オバマ元大統領を使った選挙活動</p> <p>“.@BarackObama is right: President Trump wants full credit for the economy he inherited and zero blame for the pandemic he ignored. https://t.co/tCD5UST32J”</p> <p>“RT @BarackObama: Hello, Florida! It's #VoteEarlyDay and we're just 10 days away from this election. I want to see you make a plan today for…”</p>
19	<p>ウィスコンシン州ケノーシャ銃撃事件への対応</p> <p>“We need a president who will work to lower the temperature — not raise it. A president who will bring people together and find solutions to the challenges we face. That's what I went to Kenosha to do today, and it's what I'll do every day in the White House. https://t.co/dNenwVZjUg”</p> <p>“It's time we come together as a nation to heal and address the challenges we face. Tune in to our community conversation in Kenosha, Wisconsin: https://t.co/5Vda70tPCu”</p>
20	<p>暴動を巡るトランプ氏の対応の批判</p> <p>“Donald Trump can't stop the violence we're seeing today – because for years he has fomented it. Tune in as I discuss the need for justice and safety in</p>

	<p>America: https://t.co/gSXuP0jc5D</p> <p>“They're rooting for chaos and violence because they think it helps them win a second term. Now ask yourself, is that really who you think should be running the country? https://t.co/rXf0O5u0WC”</p>
21	<p>事前投票の呼びかけ</p> <p>“There are only 30 days until Election Day — but in many states, you don't have to wait until November 3rd to make your voice heard. Head to https://t.co/eoxT07d7QB and make a plan to vote early today.”</p> <p>“Virginia — early voting is now open! The future of our country is on the ballot, and your voice is absolutely critical to deciding who we are as a nation. This is our moment. Head to https://t.co/rqHXR7xuqW to make a plan to vote. Democracy depends on it. https://t.co/VNlujvN7F”</p>
22	<p>ヒスパニックへの働きかけ</p> <p>“Florida — la decisión de hoy de extender la fecha para inscribirse para votar es una victoria para nuestra democracia. Si no te has registrado, visita https://t.co/SSNUK7cjLs antes de las 7 PM ET e inscríbete. Esta elección es demasiado importante para no participar.”</p> <p>“Arizona — ¡la fecha límite para registrarte para votar en Arizona ha sido extendida! Visita https://t.co/nApec6sbPe para registrarte en línea antes de las 11:59PM el jueves 15 de octubre.”</p>
23	<p>税（税制と納税逃れを巡る応酬）</p> <p>“Let me be very clear: If you make under \$400,000 you won't pay a penny more in taxes under my administration.”</p> <p>“I have released all of my tax returns. 22 years. Go look at them. What is Donald Trump hiding? https://t.co/2TNt0z1QMw”</p>
24	<p>経済立て直し 2</p> <p>“The hard truth is that our economy wasn't working for folks long before this crisis. It's why we can't just go back to the way things were — we have to build back better. Here's how we'll do it: https://t.co/rt5RD9Fdi0”</p> <p>“The truth is the economy wasn't working for folks long before these crises hit. It's why @KamalaHarris and I won't just build back to the way things were — we'll build back better. We won't be satisfied until the economy starts working for everyone.”</p>
25	<p>新型コロナウイルス対策 3</p> <p>“Under Donald Trump's leadership, we have become weaker and sicker. Tune in as I discuss how I'll get this virus under control and ensure every American has access to quality, affordable health care. https://t.co/vm1d4F0oig”</p> <p>“Mr. President, enough with the weekend golf trips and erratic tweets. It's time for you to get to work and control the spread of this virus. https://t.co/SfsEQMgc5z”</p>

26	<p>黒人差別の批判(BLM)</p> <p>“For far too long, discriminatory policies like redlining have kept Black Americans from having the same opportunities as white Americans. That’s got to change: https://t.co/ycM5gKCGyV https://t.co/mmb0u5kqZq”</p> <p>“I often think about what it takes for a Black person to love America. That is a deep love for this country that, for far too long, has not been recognized. It’s time we fulfilled our nation’s founding promise: equality for all. Here’s how we’ll do it: https://t.co/wH2hVq7UL2”</p>
27	<p>女性に対する暴力防止や銃規制への取り組み</p> <p>“I promise that as president, I’ll make reauthorizing the Violence Against Women Act a top priority and continue working to end gender-based violence. https://t.co/wmN7bSAUVg”</p> <p>“It’s long past time we take action to end the scourge of gun violence in America. As president, I’ll ban assault weapons and high-capacity magazines, implement universal background checks, and enact other common-sense reforms to end our gun violence epidemic.”</p>
28	その他
29	<p>人種差別（ヘイト・クライム）の批判</p> <p>“The names of George Floyd and Breonna Taylor and Jacob Blake will not soon be forgotten. Not by me. Not by us. Not by this country. They’re going to inspire a new wave of justice in America.”</p> <p>“Today marks 22 years since Matthew Shepard passed away after a brutal anti-gay hate crime. Over two decades later, violence against LGBTQ+ Americans is at an all-time high. As president, I’ll strengthen our hate crimes laws and make clear that bigotry has no place in America.”</p>
30	<p>新型コロナウイルス対応批判 4</p> <p>“COVID-19 cases are on the rise across the nation. But instead of leading by example, Donald Trump continues to put others in danger with his campaign events that ignore expert-recommended precautions. Every day he proves just how unfit he is to lead America through this crisis.”</p> <p>“When we needed Donald Trump to tell the truth about COVID-19, he lied to us. When we needed him to take action to contain its spread, he spent his days golfing. When we needed a president the most, he was nowhere to be found. It’s unforgivable.”</p>

Topic #	ハリス氏のトピックと、関連するツイート内容の抜粋
0	<p>自身が出演する TV などの宣伝</p> <p>“I’ve made a lot of tough decisions in my life, but agreeing to be @JoeBiden’s running mate wasn’t one of them. Watch our full socially distanced conversation now. https://t.co/PDcbsY7h03”</p> <p>“Watch my conversation with @CurlyVee on @BFPeroLike: we chatted about parents’ immigration stories, the values we share, the power of the Latino vote in this election, and—of course—pupusas. https://t.co/LYwbC0yrUq”</p>
1	<p>自身が出演する選挙イベントの宣伝</p> <p>“On Monday at 6 p.m. ET, @HillaryClinton and I are hosting our first virtual grassroots fundraiser together. Looking forward to discussing how we can roll up our sleeves and get to work these last 52 days. Chip in whatever you can to join us→ https://t.co/CI73asaqVX”</p> <p>“Could not be more thrilled that one of my favorite actors, @michaelb4jordan, is joining @BarackObama and me for our first grassroots fundraiser together. Join us: https://t.co/rHnHcVXM09 https://t.co/AK47QDsIYG”</p>
2	<p>雇用創出政策</p> <p>“A Biden-Harris administration will create millions of good-paying, union jobs and ensure the future is made in America — by all of America. Tune in as @JoeBiden speaks in Hermantown, MN on how we’ll get it done. https://t.co/D3XkkfrJk1”</p> <p>“More than 219,000 Americans have died from COVID-19 and we’ve seen the worst economic crisis since the Great Depression. The stakes could not be higher in this election. Join me live from Florida. https://t.co/XfO5VX1tyw”</p>
3	<p>選挙活動</p> <p>“Campaigning may look a little different these days, but what hasn’t changed is the American people’s determination to fight for a more empathetic, compassionate country. https://t.co/yTslaLQTID”</p> <p>“So grateful that @AliciaKeys joined me on the campaign trail in Arizona. As she shared with the crowd, changing the status quo is hard work but it’s a fight worth having—for the soul of our nation. https://t.co/h859yO8mmm”</p>
4	<p>投票協力呼びかけ 1</p> <p>“RT @JoeBiden: Folks, there are just three days left to vote in this election, and we need your help to get people to the polls. Text three…”</p> <p>“Many people have asked now that they’ve voted, what can they do to help in the home stretch of this campaign? The answer is simple: we need you to call voters in critical battleground states and remind them to vote. Sign up for a shift today: https://t.co/xBoynqo8Xc”</p>

5	<p>新型コロナウイルス 感染防止対策</p> <p>“As we head into Labor Day weekend, please wear a mask, practice social distancing, and wash your hands. Coronavirus cases are still on the rise in states across our country and these simple acts can protect you, the people you love, and complete strangers.”</p> <p>“Both @DouglasEmhoff and I were tested for COVID-19 this morning and thankfully we tested negative. This virus is still very much active across our country, please continue to wear a mask and maintain social distancing.”</p>
6	<p>カルフォルニア山火事（シルベラード火災）</p> <p>“Over the past few years, CA has experienced some of the largest, most destructive wildfires in history—fueled & intensified by the climate crisis. While Trump denies the evidence of this crisis, @JoeBiden will get to work taking the drastic action we need on day 1 to combat it.</p> <p>https://t.co/NNWHl4aJjT”</p> <p>“My heart breaks watching the fires, including the #SilveradoFire, tear through our beautiful state. @DouglasEmhoff and I are thinking of our firefighters and first responders. To the tens of thousands under evacuation orders, please listen to local officials. Stay safe.”</p>
7	<p>新型コロナウイルス対応批判 1</p> <p>“On January 28, Donald Trump and Mike Pence were informed about the nature of this pandemic. They knew it was lethal. They knew it was airborne. They knew it affects young people. They knew what was happening—and didn’t tell you.”</p> <p>“When Trump was saying young people couldn’t get coronavirus, he knew they could. When Trump was saying it was the same as the flu, he knew it was deadlier. When Trump was purposely downplaying the severity, he knew it passed through the air. He knew.”</p>
8	<p>新型コロナウイルス対応批判 2</p> <p>“.@JoeBiden is right. The challenges our students, parents, and educators are facing as schools reopen is a national emergency and must be treated as such.</p> <p>https://t.co/sxNIK5p1Vv”</p> <p>“Parents are praying for their children’s safety at school. Essential workers are risking everything to do their jobs. Small businesses are struggling to keep the doors open. 200,000 Americans have died. It didn’t have to be this way. We just needed a competent president.”</p>
9	<p>最高裁を使った法制度改廃への批判</p> <p>“With their selection of a nominee to a lifetime appointment on the Supreme Court, Republicans have made it clear: they intend to destroy the Affordable Care Act’s protections for more than 100 million Americans with pre-existing conditions and overturn reproductive rights.”</p>

	<p>“Three years ago Trump tried to end DACA. He failed in the courts, but Dreamers still face uncertainty today. On day one @JoeBiden will send a bill to Congress to create a path to citizenship for Dreamers and the 11M undocumented people who've strengthened our country for years.”</p>
10	<p>健康医療政策</p> <p>“Trump and Pence are doing everything they can to rip away health care for millions of Americans in a global pandemic. When elected, @JoeBiden and I will do everything we can to ensure health care is a right for all—not a privilege for the few.”</p> <p>“Trump and Pence want to take health care away from millions—and they have no plan to replace it with. Tune in now to hear how @JoeBiden and I will build on the success of the Affordable Care Act. https://t.co/Ouxt02CQfY”</p>
11	<p>人種差別問題と、警察司法改革</p> <p>“Only when we come together for meaningful police reform and broader criminal justice reform will we be able to reckon with racial injustice in our country. https://t.co/GZn5tkf4d8”</p> <p>“Trump has inflamed the racial divides in our country these past four years. But getting Trump out of office won’t be enough. @JoeBiden and I have a plan to root out systemic racism across our laws and institutions—in everything from policing to housing.”</p>
12	<p>ギンスバーグ連邦最高裁判事の後任のバレット氏</p> <p>“Let’s be clear: the next Supreme Court Justice could determine health care for over 100 million Americans with pre-existing conditions, reproductive rights, and so much more. We can’t let those rights be trampled.”</p> <p>“Trump’s hand-picked successor to Justice Ginsburg’s seat makes it clear: they intend to destroy the Affordable Care Act & overturn Roe. This selection would move the court further right for a generation & harm millions of Americans. I strongly oppose Judge Barrett’s nomination.”</p>
13	<p>国の魂をかけた選挙戦</p> <p>“We are in the final stretch. Only 6 more days to elect @JoeBiden, restore our economy, and save the soul of the nation. Join me and supporters in Tucson as we fight for a brighter future. https://t.co/Y6CvDpc2iu”</p> <p>“We’re seven days away from Election Day, and the soul of our nation is the ballot. Tune in as I speak live from Reno about how we can unify our country, fight the pandemic, and build back better. https://t.co/TbWjnyqtde”</p>
14	その他
15	<p>経済立て直し 1</p> <p>“Together @JoeBiden and I will build an economy that works for the middle class, not just the wealthy and well-connected. Tune in now as Joe speaks from Florida. https://t.co/P1QZPaj3u6”</p>

	<p>“Together, we will build our country back better than before. It was an honor to make the case for @JoeBiden’s and my campaign directly to the American people. https://t.co/44sLWuS4Mb”</p>
16	<p>選挙活動 2</p> <p>“@BarackObama @JoeBiden Mr. President, thank you for taking the time out of your day to chat about @JoeBiden. Can’t wait to see you on the virtual campaign trail!”</p> <p>“Thank you @TaylorSwift13 and my friend @EricSwalwell for showing young people what’s at stake in this election. https://t.co/T5EQO1GLnC”</p>
17	<p>新型コロナウイルス対応批判 3</p> <p>“Donald Trump knowingly betrayed the American people. His refusal to act cost 190,000 Americans their lives, and tens of millions their livelihoods. He is unfit to be president. We must vote him out in November. https://t.co/iBwJcqczG7”</p> <p>“As @JoeBiden said earlier today, Trump’s choice to knowingly downplay the seriousness of COVID-19 was “a life or death betrayal of the American people.” As we mourn the 190,000 Americans who have died, we must also act. Vote him out.”</p>
18	<p>事前投票呼びかけ</p> <p>“With only 62 days until Election Day, now is the time to make a plan to vote. Make sure you’re registered at https://t.co/MykJL0X5gt. Then make your plan. Vote early if you can, either in-person while wearing a mask or by requesting a ballot by mail. Your vote matters.”</p> <p>“With only three days left until Election Day, we need your help. Text or call 3 friends to make sure they’ve voted, returned their ballot, or have a plan to vote on Election Day. Ask them to visit https://t.co/VbrfuqVy9P for the information they need.”</p>
19	その他
20	<p>選挙協力呼びかけ 2</p> <p>“.@JoeBiden’s favorite things aren’t just aviators, ice cream, and Amtrak. Thanks, @BarackObama, for giving me the inside scoop on what it’s like to work with our next President. https://t.co/ZoGCkk9OKc”</p> <p>“If you’ve already voted, there is so much you can still do to help us win. Sign up now to call voters in critical battleground states this weekend. We need your help to earn every last vote.”</p>
21	<p>経済立て直し 2</p> <p>“This Labor Day, returning to the status quo isn’t good enough for American workers and working families. We need to build back better. That starts with one word: Unions. https://t.co/a6xUzDqABn”</p> <p>“RT @JoeBiden: It's not enough to just thank our essential workers — we need</p>

	to pay them. As president, I'll: - Raise the minimum wage to \$...
22	<p>新型コロナウイルス対策</p> <p>“More than 223,000 people have died from coronavirus. Trump still doesn't have a plan. We need a real leader in the White House who will listen to the scientists & protect Americans—that's @JoeBiden. https://t.co/cNdq3U4TTq”</p> <p>“RT @JoeBiden: President Trump can claim he wants to protect people with pre-existing conditions all he wants — but the fact is he's fightin...”</p>
23	<p>労働者政策 1</p> <p>“Strong unions built the American middle class—everything from a 40-hour work week to paid leave was because of workers who organized and fought. And when @JoeBiden and I are in the White House, advancing worker rights will be a priority.”</p> <p>“This weekend, we must remember that labor built the middle class in our country and lifted up working Americans. We have unions to thank for better wages and safer working conditions. When @JoeBiden and I are in the White House, workers will have us fighting by their side.”</p>
24	<p>弱者に寄り添う姿勢</p> <p>“RT @JoeBiden: Today, we honor the generations of union workers who fought for the rights, power, wages, and benefits that built and sustain...”</p> <p>“Families are packing into their cars in the early morning, hoping the food bank has something left when they get there. Children can't visit their grandparents in their last moments. Small business owners are shutting their doors every day. This is Trump's America.”</p> <p>“Absolutely heartbreaking. Across our country, over 184,000 American lives have been claimed by coronavirus, leaving families and communities torn apart. It's not like this in the rest of the world. All we needed was a competent president. https://t.co/yEfW8t4C78”</p>
25	<p>大統領にふさわしい人物</p> <p>“RT @JoeBiden: You deserve a President and Vice President who will spend every minute of every day working to make your life better. I prom...”</p> <p>“Americans deserve a president that speaks truth. https://t.co/PNV7AoPbiI”</p> <p>“RT @JoeBiden: Trump and Pence are running on this: “You won't be safe in Joe Biden's America.” And what's their proof? The violence you'r...”</p>
26	<p>黒人への投票呼びかけ</p> <p>“Tune in LIVE as we close out our National Black Voter Day Block Party. Don't forget to visit https://t.co/MykJL0FtRT to confirm your registration and make your plan to vote! https://t.co/IlyRRBiLL4”</p> <p>“The Black community understands just how critical this election is—because we are living the consequences of the last election every day. So on the first</p>

	National #BlackVoterDay, it's up to us to act. To participate. To vote. Let's do this. https://t.co/qWTjMIn1k1
27	<p>新型コロナウイルス対応批判 4</p> <p>“The Trump administration failed to address COVID-19, and now our students are paying the price. @JoeBiden and I will be ready on day 1 with a roadmap for reopening our schools and keeping kids and educators safe. https://t.co/2SQJipqzBj”</p> <p>“Trump has abdicated his duty and failed to lead on every significant aspect of our country's COVID-19 response. We can't let that happen with a coronavirus vaccine. The stakes are too high to not get this right. https://t.co/tdf296qPbp”</p>
28	<p>労働者政策 2</p> <p>“RT @TeamJoe: We look to the past to shape the future of this country. The #LaborMovement equipped us with the tools to ensure that we can...”</p> <p>“A Biden-Harris administration will create millions of good-paying, union jobs and ensure the future is made in America — by all of America. Tune in as @JoeBiden speaks in Hermantown, MN on how we'll get it done. https://t.co/D3XkkfrJk1”</p>
29	<p>求められる新たなリーダーシップ</p> <p>“Under @JoeBiden's leadership we can become a nation united, a nation strengthened, and a nation healed. Watch as @JoeBiden speaks live about our promise for America. https://t.co/RfkOyL2CjI”</p> <p>“The coronavirus advisors Trump is surrounding himself with? One who has been called the “anti-Dr. Fauci” doesn't have a background in infectious diseases or epidemiology. We need new leadership. Lives depend on it. https://t.co/fYdfFJrxCi”</p> <p>“Donald Trump failed in his most basic duty to protect the American people and tell us the truth. It's unforgivable. We deserve real leadership when it comes to combating this pandemic, which is why we must elect @JoeBiden in November. https://t.co/5a09MXqfC5”</p>
30	<p>環境保護への取り組み</p> <p>“It's time for new leadership in our country. If we are elected, @JoeBiden and I will take seriously the changes in our climate and actively work to mitigate against the damage. It can't wait. https://t.co/VeCSfhxVJQ”</p> <p>“RT @JoeBiden: The unrelenting impact of climate change affects every single one of us. It requires action, not denial. It requires leaders...”</p>

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