Statistics/Data Analysis

```
      name:  <unnamed>
       log:  \\wsl.localhost\Debian\home\lsys\neutrality\analysis\logs/tableD1.smcl
  log type:  smcl
 opened on:   2 Dec 2025, 12:14:24

1 .
2 . do init.do

3 . cls                                     // Clear results window

4 . clear all               // Start with a clean slate

5 . set more off, perm      // Disable partitioned output
  (set more preference recorded)

6 . macro drop _all         // Clear all macros to avoid namespace conflicts

7 . set linesize 150        // Line size limit to make output more readable, affects log
  > s

8 . set varabbrev off, perm // Turn off variable abbreviation
  (set varabbrev preference recorded)

9 . // pause on                 // Enable pause mode for debugging
10. version 13.1            // Set Stata version to 13.1

11. set matsize 10000

12.
13. *===============================================================================
14. // Set root path
15. // cap net install here, from("https://raw.githubusercontent.com/korenmiklos/here/ma
  > ster/")
16. cap here

17. if _rc == 0 {
18.         here, set
19.         cd ${here}
20. }

21. else {
22.         global here "\\wsl.localhost\Debian\home\lsys\neutrality\analysis"
23.         cd $here
  \\wsl.localhost\Debian\home\lsys\neutrality\analysis
24. }

25.
26. *===============================================================================
27. // Point to ado programs
28. adopath ++ ./ado
    [1]              "./ado"
    [2]  (BASE)      "C:\Program Files (x86)\Stata13\ado\base/"
    [3]  (SITE)      "C:\Program Files (x86)\Stata13\ado\site/"
    [4]              "."
    [5]  (PERSONAL)  "c:\ado\personal/"
    [6]  (PLUS)      "c:\ado\plus/"
    [7]  (OLDPLACE)  "c:\ado/"

29.
```

```
30. use "../pipeline/out/media.dta", clear

31. do preamble

32. *------------------------------------------------------------------------
33. * IDENTIFIERS AND METADATA
34. *------------------------------------------------------------------------
35. label var qid         "Quote ID"

36. label var article_id  "News article ID (title-date tuple)"

37. label var speech_id   "Speech ID"

38.
39. label var date        "Publication date"

40. label var matched_date "Matched speech date"

41. label var matched_score "Matched score in semi-automated assessing"

42.
43. label var mp          "MP ID"

44. label var party       "Party of politician (string code)"

45. label var opposition  "=1 if from an opposition party"

46. gen ruling = (party == "pap")

47. label var ruling  "=1 if from the government party"

48. label var non_partisan "=1 if non-partisan MP"

49. assert (1 == opposition + ruling + non_partisan)

50. label var speaker     "=1 if making speech in capacity of speaker"

51.
52. label var section     "Original article section"

53.
54. *========================================================================
55. * MP CAREER
56. *========================================================================
57. label var start "Start date of MP's parliamentary service"

58. rename _end end

59. label var end   "End date of MP's parliamentary service"

60.
61. *--- Rank of MP ----------------------------------------------------------
62. label define rank_label ///
  >     1 "pm" 2 "dpm" 3 "minister" 4 "sms" 5 "mos" 6 "mayor" 7 "sps" ///
  >     8 "parl sec" 9 "speaker" 10 "mp" 11 "ncmp" 12 "nmp"

63. encode rank, gen(mp_rank) label(rank_label)

64. drop rank
```

```
65. rename mp_rank rank

66. label var rank "Rank of MP at time of speech"

67. fvset base 10 rank   // base: Member of Parliament

68.
69. *--- Tenunre ------------------------------------------------------------
70. gen _tenure = tenure / 365

71. drop tenure

72. rename _tenure tenure

73. label var tenure "Seniority of politician at time of speech (years)"

74.
75. gen tenure2 = tenure^2

76. label var tenure2 "Square of tenure"

77.
78. *=========================================================================
79. * INDIVIDUAL DEMOGRAPHICS
80. *=========================================================================
81. label var dob   "Date of birth of MP"

82. label var yob   "Year of birth of MP"

83.
84. *--- Gender (0 = male, 1 = female) -------------------------------------
85. label define gender_label 0 "male" 1 "female"

86. encode gender, gen(sex) label(gender_label)

87. drop gender

88. rename sex gender

89. fvset base 0 gender

90. label var gender "Gender of politician"

91.
92. *--- Race ---------------------------------------------------------------
93. label define race_label 0 "chinese" 1 "malay" 2 "indian" 3 "eurasian"

94. encode race, gen(ethnic) label(race_label)

95. drop race

96. rename ethnic race

97. fvset base 0 race

98. label var race "Race of politician (Chinese, Malay, Indian, Eurasian/other)"

99.
100 *--- Age ----------------------------------------------------------------
101 gen _age = age / 365
```

```
. drop age

. rename _age age

. label var age "Age of politician at time of speech (years)"

. 
. gen age2    = age^2

. label var age2 "Square of age"

. 
. *=====================================================================
. * MINISTRY
. *=====================================================================
. label var MND    "=1 if speech made while at Ministry of National Development"

. label var MinDef "=1 if speech made while at Ministry of Defence"

. label var MFA    "=1 if speech made while at Ministry of Foreign Affairs"

. label var MinLaw "=1 if speech made while at Ministry of Law"

. label var MHA    "=1 if speech made while at Ministry of Home Affairs"

. label var MOT    "=1 if speech made while at Ministry of Transport"

. label var MOF    "=1 if speech made while at Ministry of Finance"

. label var MOM    "=1 if speech made while at Ministry of Manpower"

. label var MTI    "=1 if speech made while at Ministry of Trade and Industry"

. label var MCCY   "=1 if speech made while at Ministry of Culture, Community and Yout
  > h"

. label var MSF    "=1 if speech made while at Ministry of Social and Family Developme
  > nt"

. label var MOH    "=1 if speech made while at Ministry of Health"

. label var PMO    "=1 if speech made while at Prime Minister's Office"

. label var MEWR   "=1 if speech made while at Ministry of the Environment and Water R
  > esources"

. label var MCI    "=1 if speech made while at Ministry of Communications and Informat
  > ion"

. label var MOE    "=1 if speech made while at Ministry of Education"

. 
. recode MFA PMO MEWR MCI MTI MHA MCCY MinLaw MOH MOM MinDef MSF MOT MND MOF MOE (. =
  > 0)
  (MFA: 13913 changes made)
  (PMO: 14288 changes made)
  (MEWR: 14348 changes made)
  (MCI: 14173 changes made)
  (MTI: 14135 changes made)
  (MHA: 13392 changes made)
  (MCCY: 14301 changes made)
  (MinLaw: 13971 changes made)
  (MOH: 14054 changes made)
  (MOM: 14058 changes made)
  (MinDef: 13790 changes made)
  (MSF: 14693 changes made)
  (MOT: 13884 changes made)
  (MND: 13741 changes made)
  (MOF: 13401 changes made)
  (MOE: 13792 changes made)
```

```
130
131 *=========================================================================
132 * STRING SIMILARITY AND SEMANTIC MATCHING
133 *=========================================================================
134
135 *--- String similarity 1 (partialscore) ------------------------------
136 rename partialscore_quote_to_fullspeech  ss1_quote_to_speech

137 label var ss1_quote_to_speech            "String similarity score 1 for quote to spe
  > ech"

138
139 rename partialscore_quote_to_paragraph   ss1_quote_to_paragraph

140 label var ss1_quote_to_paragraph         "String similarity score 1 for quote to par
  > agraph"

141
142 rename partialscore_quote_to_sentence    ss1_quote_to_sentence

143 label var ss1_quote_to_sentence          "String similarity score 1 for quote to sen
  > tence"

144
145 rename _partialscore_speech              _ss1_quote_to_speech

146 label var _ss1_quote_to_speech           "(no stopwords) string similarity score 1 f
  > or quote to speech"

147
148 rename _partialscore_paragraph           _ss1_quote_to_paragraph

149 label var _ss1_quote_to_paragraph        "(no stopwords) string similarity score 1 f
  > or quote to paragraph"

150
151 rename _partialscore_sentence            _ss1_quote_to_sentence

152 label var _ss1_quote_to_sentence         "(no stopwords) string similarity score 1 f
  > or quote to sentence"

153
154 *--- String similarity 2 (tokensetscore) ------------------------------
155 rename tokensetscore_quote_to_sentence   ss2_quote_to_sentence

156 label var ss2_quote_to_sentence          "String similarity score 2 for quote to sen
  > tence"

157
158 rename tokensetscore_quote_to_paragraph  ss2_quote_to_paragraph

159 label var ss2_quote_to_paragraph         "String similarity score 2 for quote to par
  > agraph"

160
161 rename tokensetscore_quote_to_fullspeec  ss2_quote_to_speech

162 label var ss2_quote_to_speech            "String similarity score 2 for quote to spe
  > ech"
```

```
163
164 rename tokensetscore_quote_to_sentence_  _ss2_quote_to_sentence

165 label var _ss2_quote_to_sentence         "(no stopwords) string similarity score 2 f
  > or quote to sentence"

166
167 rename _0tokensetscore_quote_to_paragra  _ss2_quote_to_paragraph

168 label var _ss2_quote_to_paragraph        "(no stopwords) string similarity score 2 f
  > or quote to paragraph"

169
170 rename _1tokensetscore_quote_to_fullspe  _ss2_quote_to_speech

171 label var _ss2_quote_to_speech           "(no stopwords) string similarity score 2 f
  > or quote to speech"

172
173 *--- Semantic matching scores ----------------------------------------
174 replace ce_max_quote2speech = 100 * ce_max_quote2speech
  (14903 real changes made)

175 label var be_max_quote2speech "Best embedding-based biencoder score for quote to spe
  > ech"

176 label var ce_max_quote2speech "Cross-encoder semantic score for quote to speech (0-1
  > 00)"

177
178 *=====================================================================
179 * CONSTITUENCY AND ELECTORAL VARIABLES
180 *=====================================================================
181 rename num group_size

182 label var group_size             "Politician size of constituency (1 to 6)"

183
184 label var voters                 "Electoral size of constituency for current parliam
  > ent"

185 label var valid_votes            "Number of valid votes in constituency"

186 label var winners_majority       "Number of votes for winning party/candidate"

187 label var vote                   "Number of votes for current parliament"

188 label var vote_share             "Percentage of votes for current parliament"

189 label var winners_majority_share "Winners' majority share (percent of valid votes)"

190 label var swing                  "Electoral swing in ruling party vote share (percen
  > tage points)"

191
192 *=====================================================================
193 * PARLIAMENT, YEAR, ELECTION TIMING, WEEKDAY
194 *=====================================================================
195 *--- Parliament life: dummies + factor --------------------------------
196 label var parl10 "=1 if speech occurred in 10th Parliament"
```

```
197 label var parl11 "=1 if speech occurred in 11th Parliament"

198 label var parl12 "=1 if speech occurred in 12th Parliament"

199 label var parl13 "=1 if speech occurred in 13th Parliament"

200
201 label define parl_label 0 "10th parliament" 1 "11th parliament" 2 "12th parliament"
  > 3 "13th parliament"

202 encode parl, gen(parliament) label(parl_label)

203 drop parl

204 rename parliament parl

205 fvset base 0 parl

206 label var parl "Parliament life (categorical)"

207
208 *=====================================================================
209 * ELECTION TIMING INDICATORS
210 *=====================================================================
211 *--- General elections ------------------------------------------------
212 label var ge2006       "=1 if article published in year of General Election 2006"

213 label var ge2011       "=1 if article published in year of General Election 2011"

214 label var ge2015       "=1 if article published in year of General Election 2015"

215
216 label var ge2006_1mth  "=1 if article within 1 month of General Election 2006"

217 label var ge2006_3mths "=1 if article within 3 months of General Election 2006"

218 label var ge2006_6mths "=1 if article within 6 months of General Election 2006"

219
220 label var ge2011_1mth  "=1 if article within 1 month of General Election 2011"

221 label var ge2011_3mths "=1 if article within 3 months of General Election 2011"

222 label var ge2011_6mths "=1 if article within 6 months of General Election 2011"

223
224 label var ge2015_1mth  "=1 if article within 1 month of General Election 2015"

225 label var ge2015_3mths "=1 if article within 3 months of General Election 2015"

226 label var ge2015_6mths "=1 if article within 6 months of General Election 2015"

227
228 *--- By-elections -----------------------------------------------------
229 label var be2012       "=1 if article published in year of By-election 2012"

230 label var be2013       "=1 if article published in year of By-election 2013"

231 label var be2016       "=1 if article published in year of By-election 2016"
```

```
232
233 label var be2012_1mth  "=1 if article within 1 month of By-election 2012"

234 label var be2012_3mths "=1 if article within 3 months of By-election 2012"

235 label var be2013_1mth  "=1 if article within 1 month of By-election 2013"

236 label var be2013_3mths "=1 if article within 3 months of By-election 2013"

237 label var be2016_1mth  "=1 if article within 1 month of By-election 2016"

238 label var be2016_3mths "=1 if article within 3 months of By-election 2016"

239
240 *--- Presidential elections -------------------------------------------
241 label var pe2005       "=1 if article published in year of Presidential Election 200
  > 5"

242 label var pe2011       "=1 if article published in year of Presidential Election 201
  > 1"

243
244 label var pe2005_1mth  "=1 if article within 1 month of Presidential Election 2005"

245 label var pe2005_3mths "=1 if article within 3 months of Presidential Election 2005"

246 label var pe2005_6mths "=1 if article within 6 months of Presidential Election 2005"

247
248 label var pe2011_1mth  "=1 if article within 1 month of Presidential Election 2011"

249 label var pe2011_3mths "=1 if article within 3 months of Presidential Election 2011"

250 label var pe2011_6mths "=1 if article within 6 months of Presidential Election 2011"

251
252 *=====================================================================
253 * ARTICLE-LEVEL VARIABLES: SECTION, AUTHOR, LANGUAGE, BEAT
254 *=====================================================================
255 * Encoded section with 'others' as base
256 label define section2_label ///
  >     1 "home" 2 "insight" 3 "money" 4 "news" 5 "opinion" 6 "others" ///
  >     7 "prime news" 8 "review - insight" 9 "singapore" 10 "sports" ///
  >     11 "st" 12 "think" 13 "top of the news" 14 "world"

257 encode section2, gen(sect2) label(section2_label)

258 drop section2

259 rename sect2 section2

260 fvset base 6 section2

261 label var section2 "Section of article (base: others)"

262
263 * Language / translation flags
264 label var malay        "=1 if quote is in Malay"

265 label var mandarin     "=1 if quote is in Mandarin"
```

```
. label var tamil        "=1 if quote is in Tamil"

. label var vernacular   "=1 if quote is in a non-English vernacular language"

. label var translations "=1 if quote translated from vernacular to English"

.
. * Author and beat
. rename author_cleaned2 authorID

. label var authorID "Author ID"

.
. encode beat, gen(beat2)

. drop beat

. rename beat2 beat

. label var beat "Beat assignment of reporter"

.
. *--- Weekday of publication ------------------------------------------
. label define weekday_label ///
  >     1 "monday" 2 "tuesday" 3 "wednesday" 4 "thursday" 5 "friday" 6 "saturday" 7 "sun
  > day"

. encode weekday, gen(dayofweek) label(weekday_label)

. drop weekday

. rename dayofweek weekday

. fvset base 1 weekday

. label var weekday "Day of week of article publication"

.
. *=========================================================================
. * TEXT LENGTH
. *=========================================================================
. * Word counts
. rename wordcount_quote      quote

. label var quote             "Word count of quote"

.
. rename wordcount_paragraph  paragraph

. label var paragraph         "Word count of paragraph"

.
. rename wordcount_fullspeech speech

. label var speech            "Word count of full speech"

.
. rename wordcount            article

. label var article           "Article length (words)"
```

```
302
303 * Character counts
304 rename char_count_quote     quote_char

305 label var quote_char        "Character count of quote"

306
307 rename char_count_paragraph paragraph_char

308 label var paragraph_char    "Character count of paragraph"

309
310 rename char_count_fullspeech speech_char

311 label var speech_char       "Character count of speech"

312
313 rename article_len_char     article_char

314 label var article_char      "Article length (characters)"

315
316 * Log transformations
317 #delimit ;
  delimiter now ;
318 global log_variables "
  >     quote
  >     quote_char
  >     paragraph
  >     paragraph_char
  >     speech
  >     speech_char
  >     article
  >     article_char
  > ";

319 #delimit cr
  delimiter now cr
320
321 foreach var in $log_variables {
    2.     gen ln_`var' = ln(`var')
    3.     label var ln_`var' "ln of `var'"
    4. }
  (2 missing values generated)
  (2 missing values generated)

322
323 *=====================================================================
324 * TOPIC DISTRIBUTIONS
325 *=====================================================================
326
327 * 50-topic models: quote, speech, article
328 forvalues i = 1/50 {
    2.     label var quote_50K_`i'   "Probability for topic `i'/50 for quote"
    3.     label var speech_50K_`i'  "Probability for topic `i'/50 for speech"
    4.     label var article_50K_`i' "Probability for topic `i'/50 for article"
    5. }

329
330 * 92-topic models: quote, speech, sentence
```

```
331 forvalues i = 1/92 {
    2.     label var quote_92K_`i'    "Probability for topic `i'/92 for quote"
    3.     label var speech_92K_`i'   "Probability for topic `i'/92 for speech"
    4.     label var sentence_92K_`i' "Probability for topic `i'/92 for sentence"
    5. }

332
333 * 100-topic models: quote, speech
334 forvalues i = 1/100 {
    2.     label var quote_100K_`i'  "Probability for topic `i'/100 for quote"
    3.     label var speech_100K_`i' "Probability for topic `i'/100 for speech"
    4. }

335
336 * Article-level topic models (30 and 40 topics)
337 forvalues i = 1/30 {
    2.     label var article_30K_`i' "Probability for topic `i'/30 for article"
    3. }

338
339 forvalues i = 1/40 {
    2.     label var article_40K_`i' "Probability for topic `i'/40 for article"
    3. }

340
341 *=============================================================================
342 * LEXICAL RICHNESS
343 *=============================================================================
344 label var ttr    "Type-token ratio"

345 label var rttr   "Root type-token ratio"

346 label var cttr   "Corrected type-token ratio"

347 label var herdan "Herdan's C lexical diversity"

348 label var summer "Summer lexical diversity index"

349 label var dugast "Dugast lexical diversity index"

350 label var maas   "Maas lexical diversity index"

351 label var msttr  "Mean segmental type-token ratio"

352 label var mattr  "Moving-average type-token ratio"

353 label var mtld   "Measure of textual lexical diversity"

354 label var hdd    "Hypergeometric distribution diversity"

355
356 *=============================================================================
357 * READABILITY
358 *=============================================================================
359 label var dalechall     "Dale-Chall readability index"

360 label var flesch        "Flesch reading easse score"

361 label var fleschkincaid "Flesch-Kincaid grade level"
```

```
362 label var gunningfog    "Gunning-Fog readability index"

363 label var smog          "SMOG readability index"

364 label var notdalechall  "Share of difficult words (not in Dale-Chall list)"

365 label var polysyllable  "Number of polysyllabic words (more than 3 syllables)"

366 label var syllables     "Total number of syllables"

367 label var sentences     "Total number of sentences"

368
369 *=====================================================================
370 * SUBJECTIVITY, OBJECTIVITY, POLARITY
371 *=====================================================================
372 * Subjectivity (0 = objective, 1 = subjective)
373 gen speech_objectivity         = 1 - speech_subjectivity

374 label var speech_subjectivity  "Speech subjectivity (0 objective - 1 subjective)"

375
376 gen para_objectivity           = 1 - para_subjectivity
  (2 missing values generated)

377 label var para_subjectivity    "Paragraph subjectivity (0-1)"

378
379 gen sentence_objectivity       = 1 - sentence_subjectivity
  (2 missing values generated)

380 label var sentence_subjectivity "Sentence subjectivity (0-1)"

381
382 gen quote_objectivity          = 1 - quote_subjectivity

383 label var quote_subjectivity   "Quote subjectivity (0-1)"

384
385 gen quote_sentence_objectivity = 1 - quote_sentence_subjectivity
  (1 missing value generated)

386 label var quote_sentence_subjectivity "Quote sentence subjectivity (0-1)"

387
388 label var speech_objectivity         "Speech objectivity (0 objective - 1 subjective
  > )"

389 label var para_objectivity           "Paragraph objectivity (0-1)"

390 label var sentence_objectivity       "Sentence objectivity (0-1)"

391 label var quote_objectivity          "Quote objectivity (0-1)"

392 label var quote_sentence_objectivity "Quote sentence objectivity (0-1)"

393
394 * Polarity (-1 = negative, +1 = positive)
395 label var speech_polarity         "Speech polarity (-1 negative to +1 positive), Pat
  > ternAnalyzer"
```

```
396 label var para_polarity           "Paragraph polarity (-1 to +1), PatternAnalyzer"

397 label var sentence_polarity       "Sentence polarity (-1 to +1), PatternAnalyzer"

398 label var quote_polarity          "Quote polarity (-1 to +1), PatternAnalyzer"

399 label var quote_sentence_polarity "Quote sentence polarity (-1 to +1), PatternAnalyz
  > er"

400
  end of do-file

401
402 global TABSAVEDIR ../results/tables

403 global FIGSAVEDIR ../results/figures

404 global graphformats png pdf eps tif

405
406
407 *================================================================================
408 * Global macros
409 *================================================================================
410 #delimit;
  delimiter now ;
411 global time
  >         i.parl
  >         i.year
  > ;

412 global ind
  >     i.gender
  >     i.race
  >     c.age
  >     c.age2
  >     c.tenure
  >     c.tenure2
  > ;

413     global article
  >     i.weekday
  >     i.section2
  >     translations
  > ;

414     global portfolio
  >     MFA
  >     PMO
  >     MEWR
  >     MCI
  >     MTI
  >     MHA
  >     MCCY
  >     MinLaw
  >     MOH
  >     MOM
  >     MinDef
  >     MSF
  >     MOT
  >     MND
  >     MOF
  >     MOE
  >     speaker
  > ;
```

```
415     global electoral
  >     c.group_size
  >     c.voters
  >     c.vote_share
  >     c.winners_majority_share
  > ;

416     global topics
  >     speech_92K*
  >     quote_92K*
  >     article_40K*
  > ;

417     global objectivity
  >     speech_objectivity
  >     para_objectivity
  >     sentence_objectivity
  >     quote_objectivity
  >     quote_sentence_objectivity
  > ;

418     global polarity
  >     speech_polarity
  >     para_polarity
  >     sentence_polarity
  >     quote_polarity
  >     quote_sentence_polarity
  > ;

419     global readability
  >     flesch
  >     fleschkincaid
  >     gunningfog
  >     smog
  >     dalechall
  >     notdalechall
  >     sentences
  >     syllables
  >     polysyllable
  > ;

420     global lexical
  >     ttr
  >     rttr
  >     cttr
  >     herdan
  >     summer
  >     dugast
  >     maas
  >     msttr
  >     mattr
  >     mtld
  >     hdd
  > ;

421     global length_s
  >     quote
  >     speech
  >     article
  > ;
```

```
422 global length_s
  >     ln_quote
  >     ln_speech
  >     ln_article
  > ;

423 assert_macros "portfolio time ind article topics";
  Checking portfolio:
  portfolio contains: MFA     PMO     MEWR     MCI     MTI     MHA     MCCY     MinLaw
  >    MOH     MOM     MinDef     MSF     MOT     MND     MOF     MOE     speaker
  Checking time:
  time contains: i.parl         i.year
  Checking ind:
  ind contains: i.gender     i.race     c.age     c.age2     c.tenure     c.tenure2
  Checking article:
  article contains: i.weekday     i.section2     translations
  Checking topics:
  topics contains: speech_92K*     quote_92K*     article_40K*

424 global min
  >     i.rank
  >     $portfolio
  >     i.rank#($portfolio)
  >     ;

425     global base_controls
  >     $time
  >     $ind
  >     $article
  >     $topics
  >     ;

426     global base_controls_min
  >     $time
  >     $ind
  >     $article
  >     $topics
  >     $min
  >     ;

427 #delimit cr
  delimiter now cr
428
429 *================================================================================
430 * COEFFICIENT LABELS
431 *================================================================================
432 #delimit;
  delimiter now ;
433 global coeff_labels
  >         "
  >     1.opposition "Opposition"
  >     1.opposition#c.trend "Opposition $\times$ Year"
  >     trend "Year"
  >         pc1_objectivity "Objectivity of speech and quote"
  >         pc1_polarity "Polarity of speech and quote"
  >         pc1_readability "Grade/readability score of speech transcipt"
  >         pc1_lexical "Lexical richness of speech transcipt"
  >     "
  > ;
```

```
434 #delimit cr
  delimiter now cr
435
  end of do-file

436
437 tictoc tic 1
  ──────────────────────────────────────────────────────────────────────────────────────────────────
  ----------- Time log -----------
  Start time:  2 Dec 2025 12:14:25
  ──────────────────────────────────────────────────────────────────────────────────────────────────


438
439 *================================================================================
  > ===============
440 * Table: Robustness checks for string similarity measures
441 * Panel A. string similarity 1 robustness checks
442 * Panel B. string similarity 1 (no stopwords) robustness checks
443 * Panel C. string similarity 2 robustness checks
444 * Panel D. string similarity 2 (no stopwords) robustness checks
445 *================================================================================
  > ===============
446 #delimit ;
  delimiter now ;
447 local esttab_options "b(%9.2fc)
  >                                          se(%9.2fc)
  >                                          star (* 0.1 ** 0.05 *** 0.01)
  >                                          label
  >                                          noobs
  >                                          varwidth(10)
  >                                          modelwidth(14)
  >                                          interaction(*)";

448                                          local keep_coeff       "
  >                                         1.opposition
  >                                         ";

449                                         local model_title       "
  >                                         "Base"
  >                                         "Author FE"
  >                                         "$\sim$ministerial"
  >                                         "$\sim$translations"
  >                                         "Cluster speech"
  >
  >                                         "Cluster author"
  >                                         "Speech K=50"
  >                                         "Speech K=100"
  >                                         "Article K=30"
  >                                         "Article K=50"
  >                                         "SentenceK"
  >                                         ";

450 #delimit cr
  delimiter now cr
451
452 assert_macros "length_s time ind article min"
  Checking length_s:
  length_s contains: ln_quote     ln_speech     ln_article
  Checking time:
  time contains: i.parl         i.year
  Checking ind:
  ind contains: i.gender     i.race     c.age     c.age2     c.tenure     c.tenure2
  Checking article:
  article contains: i.weekday     i.section2     translations
  Checking min:
  min contains: i.rank     MFA     PMO     MEWR     MCI     MTI     MHA     MCCY     Min
  > Law     MOH     MOM     MinDef     MSF     MOT     MND     MOF     MOE     speaker
  >    i.rank#(MFA     PMO     MEWR     MCI     MTI     MHA     MCCY     MinLaw     MOH
  >     MOM     MinDef     MSF     MOT     MND     MOF     MOE     speaker)
```

```
453 local base $length_s $time $ind $article

454
455 *--------------------------------------------------------------------------------
  > --------------
456 * Panel A. string similarity 1 robustness checks
457 *--------------------------------------------------------------------------------
  > --------------
458 eststo clear

459
460 eststo: qui reg ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K*,          vce(cluster article_id)
  (est1 stored)

461         local nobs: display %9.0fc `e(N)'

462         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

463 eststo: qui reg ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K* i.authorID i.beat, vce(cluster article_id)
  (est2 stored)

464         local nobs: display %9.0fc `e(N)'

465         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   13,524}"

466 eststo: qui reg ss1_quote_to_speech i.opposition `base'      speech_92K*  article_50
  > K* quote_92K*,          vce(cluster article_id)
  (est3 stored)

467         local nobs: display %9.0fc `e(N)'

468         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

469 eststo: qui reg ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K* if translations==0, vce(cluster article_id)
  (est4 stored)

470         local nobs: display %9.0fc `e(N)'

471         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,697}"

472 eststo: qui reg ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K*,          vce(cluster speech_id)
  (est5 stored)

473         local nobs: display %9.0fc `e(N)'
```

```
474         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

475 eststo: qui reg ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K* i.authorID, vce(cluster authorID)
  (est6 stored)

476         local nobs: display %9.0fc `e(N)'

477         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

478 eststo: qui reg ss1_quote_to_speech i.opposition `base' $min speech_50K*  article_40
  > K* quote_50K*,          vce(cluster article_id)
  (est7 stored)

479         local nobs: display %9.0fc `e(N)'

480         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

481 eststo: qui reg ss1_quote_to_speech i.opposition `base' $min speech_100K* article_40
  > K* quote_100K*,         vce(cluster article_id)
  (est8 stored)

482         local nobs: display %9.0fc `e(N)'

483         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

484 eststo: qui reg ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_30
  > K* quote_92K*,          vce(cluster article_id)
  (est9 stored)

485         local nobs: display %9.0fc `e(N)'

486         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

487 eststo: qui reg ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_50
  > K* quote_92K*,          vce(cluster article_id)
  (est10 stored)

488         local nobs: display %9.0fc `e(N)'

489         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"
```

```
490 eststo: qui reg ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_40
  > K* sentence_92K*,       vce(cluster article_id)
  (est11 stored)

491         local nobs: display %9.0fc `e(N)'

492         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
               e(nobs) : "\multicolumn{1}{c}{   14,901}"

493 eststo: qui reg ss1_quote_to_speech i.opposition `base' $min speech_50K*  article_30
  > K* quote_50K*,       vce(cluster article_id)
  (est12 stored)

494         local nobs: display %9.0fc `e(N)'

495         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
               e(nobs) : "\multicolumn{1}{c}{   14,901}"

496
497 #delimit ;
  delimiter now ;
498 esttab, keep(1.opposition)
  >                 coeflabel(`my_coeflabel')
  >                 scalars("df_m df-model" "clustvar cluster-variable" "N_clust cluster
  > -N")
  >                 `esttab_options'
  >                 mtitles(`model_title')
  >                 title(Panel A. string similarity 1 robustness checks)
  > ;

  Panel A. string similarity 1 robustness checks
  ------------------------------------------------------------------------------------------
    ----------------------------------------------------------------------------------------
    --------------------------------------------------------
                     (1)                (2)                (3)                (4)
  >         (5)                (6)                (7)                (8)                (9)
  >              (10)               (11)               (12)
                    Base          Author FE             $\sim               $\sim    Clu
  > ster speech    Cluster author       Speech K=50       Speech K=100       Article K=30
  >      Article K=50          SentenceK              est12
  ------------------------------------------------------------------------------------------
    ----------------------------------------------------------------------------------------
    --------------------------------------------------------
  =1 if fr~1          -1.86***           -2.05***           -1.68***           -1.68**
  >       -1.86**            -1.86**            -1.53**            -1.78**            -2.16*
  > **          -1.88***           -1.87***           -1.74**
                       (0.71)             (0.77)             (0.55)             (0.70)
  >      (0.75)             (0.73)             (0.72)             (0.72)             (0.70)
  >            (0.71)             (0.71)             (0.70)
  ------------------------------------------------------------------------------------------
    ----------------------------------------------------------------------------------------
    --------------------------------------------------------
  df-model              351.00             541.00             275.00             350.00
  >      353.00             250.00             267.00             367.00             341.00
  >            361.00             351.00             257.00
  cluster-~e    article_id         article_id         article_id         article_id
  >   speech_id           authorID         article_id         article_id         article_id
  >        article_id         article_id         article_id
  cluster-N         3,421.00           3,017.00           3,421.00           3,399.00
  >    5,129.00             273.00           3,421.00           3,421.00           3,421.00
  >          3,421.00           3,421.00           3,421.00
  ------------------------------------------------------------------------------------------
    ----------------------------------------------------------------------------------------
    --------------------------------------------------------
  Standard errors in parentheses
  * p<0.1, ** p<0.05, *** p<0.01
```

```
499 esttab using $TABSAVEDIR/sensitivity-panelA-substring-accuracy.tex,
  >         replace
  >         booktabs
  >         fragment
  >         keep(1.opposition)
  >         coeflabel($coeff_labels)
  >         `esttab_options'
  >         nomtitle
  >         nonumbers
  >         nolines
  >         nogaps
  >         noeqlines
  >         nodepvars
  >         scalars("nobs N")
  > ;
  (output written to ../results/tables/sensitivity-panelA-substring-accuracy.tex)

500 esttab using $TABSAVEDIR/sensitivity-panelA-substring-accuracy.md,
  >         replace
  >         se
  >         star (* 0.1 ** 0.05 *** 0.01)
  >         keep(1.opposition)
  >         coeflabel($coeff_labels)
  >     b(%9.2f)
  >     se(%9.2f)
  >     nonumbers
  >         style(mmd)
  >         mtitle(
  >             "(1) Baseline Regression"
  >             "(2) Journalist FE"
  >             "(3) No ministerial controls"
  >             "(4) No translations"
  >             "(5) Cluster by speech"
  >             "(6) Cluster by journalist"
  >             "(7) Speech K = 50"
  >             "(8) Speech K = 100"
  >             "(9) Article K = 30"
  >             "(10) Article K = 50"
  >             "(11) Sentence topics"
  >             "(12) Parsimonious topics"
  >         )
  > ;
  (output written to ../results/tables/sensitivity-panelA-substring-accuracy.md)

501 #delimit cr
  delimiter now cr
502
503 // *-------------------------------------------------------------------------------
  > ------------------
504 // * Panel B. string similarity 1 (no stopwords) robustness checks
505 // *-------------------------------------------------------------------------------
  > ------------------
506 eststo clear

507 eststo: qui reg _ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K*,          vce(cluster article_id)
  (est1 stored)

508         local nobs: display %9.0fc `e(N)'
```

```
509         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

510 eststo: qui reg _ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K* i.authorID i.beat, vce(cluster article_id)
  (est2 stored)

511         local nobs: display %9.0fc `e(N)'

512         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   13,524}"

513 eststo: qui reg _ss1_quote_to_speech i.opposition `base'      speech_92K*  article_5
  > 0K* quote_92K*,           vce(cluster article_id)
  (est3 stored)

514         local nobs: display %9.0fc `e(N)'

515         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

516 eststo: qui reg _ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K* if translations==0, vce(cluster article_id)
  (est4 stored)

517         local nobs: display %9.0fc `e(N)'

518         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,697}"

519 eststo: qui reg _ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K*,           vce(cluster speech_id)
  (est5 stored)

520         local nobs: display %9.0fc `e(N)'

521         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

522 eststo: qui reg _ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K* i.authorID,vce(cluster authorID)
  (est6 stored)

523         local nobs: display %9.0fc `e(N)'

524         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"
```

```
525 eststo: qui reg _ss1_quote_to_speech i.opposition `base' $min speech_50K*  article_4
  > 0K* quote_50K*,          vce(cluster article_id)
  (est7 stored)

526         local nobs: display %9.0fc `e(N)'

527         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

528 eststo: qui reg _ss1_quote_to_speech i.opposition `base' $min speech_100K* article_4
  > 0K* quote_100K*,         vce(cluster article_id)
  (est8 stored)

529         local nobs: display %9.0fc `e(N)'

530         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

531 eststo: qui reg _ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_3
  > 0K* quote_92K*,          vce(cluster article_id)
  (est9 stored)

532         local nobs: display %9.0fc `e(N)'

533         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

534 eststo: qui reg _ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_5
  > 0K* quote_92K*,          vce(cluster article_id)
  (est10 stored)

535         local nobs: display %9.0fc `e(N)'

536         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

537 eststo: qui reg _ss1_quote_to_speech i.opposition `base' $min speech_92K*  article_4
  > 0K* sentence_92K*,       vce(cluster article_id)
  (est11 stored)

538         local nobs: display %9.0fc `e(N)'

539         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

540 eststo: qui reg _ss1_quote_to_speech i.opposition `base' $min speech_50K*  article_3
  > 0K* quote_50K*,       vce(cluster article_id)
  (est12 stored)

541         local nobs: display %9.0fc `e(N)'
```

```
542         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

543
544 #delimit ;
  delimiter now ;
545 esttab, keep(1.opposition)
  >                 coeflabel(`my_coeflabel')
  >                 scalars("df_m df-model" "clustvar cluster-variable" "N_clust cluster
  > -N")
  >                 `esttab_options'
  >                 mtitles(`model_title')
  >                 title(Panel B)
  > ;

  Panel B
  ------------------------------------------------------------------------------------------
  ------------------------------------------------------------------------------------------
                      (1)             (2)             (3)             (4)
  >         (5)             (6)             (7)             (8)             (9)
  >              (10)            (11)            (12)
                       Base         Author FE            $\sim            $\sim    Clu
  > ster speech    Cluster author       Speech K=50      Speech K=100      Article K=30
  >      Article K=50         SentenceK             est12
  ------------------------------------------------------------------------------------------
  ------------------------------------------------------------------------------------------
  =1 if fr~1          -1.94***          -2.20***          -1.71***          -1.75**
  >       -1.94**           -1.92**           -1.59**           -1.94***          -2.27*
  > **          -1.99***          -1.95***          -1.83***
                     (0.72)            (0.78)            (0.56)            (0.71)
  >      (0.76)            (0.77)            (0.72)            (0.73)            (0.71)
  >             (0.72)            (0.72)            (0.71)
  ------------------------------------------------------------------------------------------
  ------------------------------------------------------------------------------------------
  df-model           351.00            541.00            275.00            350.00
  >      354.00            250.00            267.00            367.00            341.00
  >            361.00            351.00            257.00
  cluster-~e     article_id        article_id        article_id        article_id
  >   speech_id          authorID        article_id        article_id        article_id
  >        article_id        article_id        article_id
  cluster-N        3,421.00          3,017.00          3,421.00          3,399.00
  >    5,129.00            273.00          3,421.00          3,421.00          3,421.00
  >          3,421.00          3,421.00          3,421.00
  ------------------------------------------------------------------------------------------
  ------------------------------------------------------------------------------------------
  Standard errors in parentheses
  * p<0.1, ** p<0.05, *** p<0.01

546 esttab using $TABSAVEDIR/sensitivity-panelB-substring-accuracy-nostopwords.tex,
  >         replace
  >         booktabs
  >         fragment
  >         keep(1.opposition)
  >         coeflabel($coeff_labels)
  >         `esttab_options'
  >         nomtitle
  >         nonumbers
  >         nolines
  >         nogaps
  >         noeqlines
  >         nodepvars
  >         scalars("nobs N")
  > ;
  (output written to ../results/tables/sensitivity-panelB-substring-accuracy-nostopwords
  > .tex)
```

```
547 esttab using $TABSAVEDIR/sensitivity-panelB-substring-accuracy-nostopwords.md,
  >         replace
  >         se
  >         star (* 0.1 ** 0.05 *** 0.01)
  >         keep(1.opposition)
  >         coeflabel($coeff_labels)
  >     b(%9.2f)
  >     se(%9.2f)
  >     nonumbers
  >         style(mmd)
  >         mtitle(
  >             "(1) Baseline Regression"
  >             "(2) Journalist FE"
  >             "(3) No ministerial controls"
  >             "(4) No translations"
  >             "(5) Cluster by speech"
  >             "(6) Cluster by journalist"
  >             "(7) Speech K = 50"
  >             "(8) Speech K = 100"
  >             "(9) Article K = 30"
  >             "(10) Article K = 50"
  >             "(11) Sentence topics"
  >             "(12) Parsimonious topics"
  >         )
  > ;
  (output written to ../results/tables/sensitivity-panelB-substring-accuracy-nostopwords
  > .md)

548 #delimit cr
  delimiter now cr
549
550 // *-------------------------------------------------------------------------------
  > ------------------
551 // * Panel C. string similarity 2 robustness checks
552 // *-------------------------------------------------------------------------------
  > ------------------
553 eststo clear

554 eststo: qui reg ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K*,          vce(cluster article_id)
  (est1 stored)

555         local nobs: display %9.0fc `e(N)'

556         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

557 eststo: qui reg ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K* i.authorID i.beat, vce(cluster article_id)
  (est2 stored)

558         local nobs: display %9.0fc `e(N)'

559         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   13,524}"
```

```
560 eststo: qui reg ss2_quote_to_speech i.opposition `base'      speech_92K*  article_50
  > K* quote_92K*,          vce(cluster article_id)
  (est3 stored)

561         local nobs: display %9.0fc `e(N)'

562         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

563 eststo: qui reg ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K* if translations==0, vce(cluster article_id)
  (est4 stored)

564         local nobs: display %9.0fc `e(N)'

565         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,697}"

566 eststo: qui reg ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K*,          vce(cluster speech_id)
  (est5 stored)

567         local nobs: display %9.0fc `e(N)'

568         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

569 eststo: qui reg ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K* i.authorID,vce(cluster authorID)
  (est6 stored)

570         local nobs: display %9.0fc `e(N)'

571         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

572 eststo: qui reg ss2_quote_to_speech i.opposition `base' $min speech_50K*  article_40
  > K* quote_50K*,          vce(cluster article_id)
  (est7 stored)

573         local nobs: display %9.0fc `e(N)'

574         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

575 eststo: qui reg ss2_quote_to_speech i.opposition `base' $min speech_100K* article_40
  > K* quote_100K*,         vce(cluster article_id)
  (est8 stored)

576         local nobs: display %9.0fc `e(N)'
```

```
577         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

578 eststo: qui reg ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_30
  > K* quote_92K*,          vce(cluster article_id)
  (est9 stored)

579         local nobs: display %9.0fc `e(N)'

580         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

581 eststo: qui reg ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_50
  > K* quote_92K*,          vce(cluster article_id)
  (est10 stored)

582         local nobs: display %9.0fc `e(N)'

583         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

584 eststo: qui reg ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_40
  > K* sentence_92K*,       vce(cluster article_id)
  (est11 stored)

585         local nobs: display %9.0fc `e(N)'

586         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

587 eststo: qui reg ss2_quote_to_speech i.opposition `base' $min speech_50K*  article_30
  > K* quote_50K*,       vce(cluster article_id)
  (est12 stored)

588         local nobs: display %9.0fc `e(N)'

589         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

590
591 #delimit ;
  delimiter now ;
592 esttab, keep(1.opposition)
  >                 coeflabel(`my_coeflabel')
  >                 scalars("df_m df-model" "clustvar cluster-variable" "N_clust cluster
  > -N")
  >                 `esttab_options'
  >                 mtitles(`model_title')
  >                 title(Panel C)
  > ;
```

Panel C

	(1)	(2)	(3)	(4)
	Base	Author FE	$\sim	$\sim
	Cluster author	Speech K=50	Speech K=100	Article K=30
	Article K=50	SentenceK	est12	
=1 if fr~1	**-2.15*** **	**-2.41*** **	**-1.63*** **	**-2.04*** **
	-2.15* **	**-2.13*** **	**-1.97*** **	**-2.11*** **
	-2.07* **	**-2.13*** **	**-2.20*** **	
	(**0.70**)	(**0.75**)	(**0.55**)	(**0.70**)
	(**0.71**)	(**0.78**)	(**0.72**)	(**0.72**)
	(**0.69**)	(**0.70**)	(**0.71**)	
df-model	**351.00**	**541.00**	**275.00**	**350.00**
	353.00	**250.00**	**267.00**	**367.00**
	362.00	**352.00**	**257.00**	
cluster-~e	**article_id**	**article_id**	**article_id**	**article_id**
	speech_id	**authorID**	**article_id**	**article_id**
	article_id	**article_id**	**article_id**	**article_id**
cluster-N	**3,421.00**	**3,017.00**	**3,421.00**	**3,399.00**
	5,129.00	**273.00**	**3,421.00**	**3,421.00**
	3,421.00	**3,421.00**	**3,421.00**	

Standard errors in parentheses
* p<0.1, ** p<0.05, *** p<0.01

```
593 esttab using $TABSAVEDIR/sensitivity-panelC-bow-accuracy.tex,
  >         replace
  >         booktabs
  >         fragment
  >         keep(1.opposition)
  >         coeflabel($coeff_labels)
  >         `esttab_options'
  >         nomtitle
  >         nonumbers
  >         nolines
  >         nogaps
  >         noeqlines
  >         nodepvars
  >         scalars("nobs N")
  > ;
  (output written to ../results/tables/sensitivity-panelC-bow-accuracy.tex)

594 esttab using $TABSAVEDIR/sensitivity-panelC-bow-accuracy.md,
  >         replace
  >         se
  >         star (* 0.1 ** 0.05 *** 0.01)
  >         keep(1.opposition)
  >         coeflabel($coeff_labels)
  >     b(%9.2f)
  >     se(%9.2f)
  >     nonumbers
  >         style(mmd)
  >         mtitle(
  >             "(1) Baseline Regression"
  >             "(2) Journalist FE"
  >             "(3) No ministerial controls"
  >             "(4) No translations"
  >             "(5) Cluster by speech"
  >             "(6) Cluster by journalist"
  >             "(7) Speech K = 50"
```

```
  >             "(8) Speech K = 100"
  >             "(9) Article K = 30"
  >             "(10) Article K = 50"
  >             "(11) Sentence topics"
  >             "(12) Parsimonious topics"
  >         )
  > ;
  (output written to ../results/tables/sensitivity-panelC-bow-accuracy.md)

595 #delimit cr
  delimiter now cr
596
597 // *-------------------------------------------------------------------------------
  > ------------------
598 // * Panel D. string similarity 2 (no stopwords) robustness checks
599 // *-------------------------------------------------------------------------------
  > ------------------
600 eststo clear

601 eststo: qui reg _ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K*,          vce(cluster article_id)
  (est1 stored)

602         local nobs: display %9.0fc `e(N)'

603         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

604 eststo: qui reg _ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K* i.authorID i.beat, vce(cluster article_id)
  (est2 stored)

605         local nobs: display %9.0fc `e(N)'

606         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   13,524}"

607 eststo: qui reg _ss2_quote_to_speech i.opposition `base'      speech_92K*  article_5
  > 0K* quote_92K*,          vce(cluster article_id)
  (est3 stored)

608         local nobs: display %9.0fc `e(N)'

609         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

610 eststo: qui reg _ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K* if translations==0, vce(cluster article_id)
  (est4 stored)

611         local nobs: display %9.0fc `e(N)'

612         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,697}"
```

```
613 eststo: qui reg _ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K*,          vce(cluster speech_id)
  (est5 stored)

614         local nobs: display %9.0fc `e(N)'

615         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

616 eststo: qui reg _ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K* i.authorID,vce(cluster authorID)
  (est6 stored)

617         local nobs: display %9.0fc `e(N)'

618         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

619 eststo: qui reg _ss2_quote_to_speech i.opposition `base' $min speech_50K*  article_4
  > 0K* quote_50K*,          vce(cluster article_id)
  (est7 stored)

620         local nobs: display %9.0fc `e(N)'

621         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

622 eststo: qui reg _ss2_quote_to_speech i.opposition `base' $min speech_100K* article_4
  > 0K* quote_100K*,         vce(cluster article_id)
  (est8 stored)

623         local nobs: display %9.0fc `e(N)'

624         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

625 eststo: qui reg _ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_3
  > 0K* quote_92K*,          vce(cluster article_id)
  (est9 stored)

626         local nobs: display %9.0fc `e(N)'

627         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

628 eststo: qui reg _ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_5
  > 0K* quote_92K*,          vce(cluster article_id)
  (est10 stored)

629         local nobs: display %9.0fc `e(N)'
```

```
630         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                 e(nobs) : "\multicolumn{1}{c}{   14,901}"

631 eststo: qui reg _ss2_quote_to_speech i.opposition `base' $min speech_92K*  article_4
  > 0K* sentence_92K*,       vce(cluster article_id)
  (est11 stored)

632         local nobs: display %9.0fc `e(N)'

633         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                 e(nobs) : "\multicolumn{1}{c}{   14,901}"

634 eststo: qui reg _ss2_quote_to_speech i.opposition `base' $min speech_50K*  article_3
  > 0K* quote_50K*,       vce(cluster article_id)
  (est12 stored)

635         local nobs: display %9.0fc `e(N)'

636         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                 e(nobs) : "\multicolumn{1}{c}{   14,901}"

637
638 #delimit ;
  delimiter now ;
639 esttab, keep(`keep_coeff')
  >                 coeflabel(`my_coeflabel')
  >                 scalars("df_m df-model" "clustvar cluster-variable" "N_clust cluster
  > -N")
  >                 `esttab_options'
  >                 mtitles(`model_title')
  >                 title(Panel D)
  > ;

  Panel D
  ------------------------------------------------------------------------------------
    ----------------------------------------------------------------------------------
    ----------------------------------------------------------
                      (1)               (2)               (3)               (4)
  >         (5)               (6)               (7)               (8)               (9)
  >              (10)              (11)              (12)
                     Base         Author FE            $\sim            $\sim    Clu
  > ster speech    Cluster author       Speech K=50      Speech K=100      Article K=30
  >      Article K=50         SentenceK              est12
  ------------------------------------------------------------------------------------
    ----------------------------------------------------------------------------------
    ----------------------------------------------------------
  =1 if fr~1          -2.88***          -3.18***          -2.04***          -2.76***
  >      -2.88***          -2.92***          -2.57***          -2.85***          -3.22*
  > **          -2.81***          -2.86***          -2.89***
                     (0.91)            (0.99)            (0.70)            (0.92)
  >      (0.93)            (1.10)            (0.93)            (0.94)            (0.90)
  >            (0.89)            (0.92)            (0.91)
  ------------------------------------------------------------------------------------
    ----------------------------------------------------------------------------------
    ----------------------------------------------------------
  df-model           351.00            541.00            275.00            350.00
  >      353.00            250.00            267.00            367.00            341.00
  >            361.00            351.00            257.00
  cluster-~e     article_id        article_id        article_id        article_id
  >   speech_id          authorID        article_id        article_id        article_id
  >        article_id        article_id        article_id
  cluster-N        3,421.00          3,017.00          3,421.00          3,399.00
  >    5,129.00            273.00          3,421.00          3,421.00          3,421.00
  >          3,421.00          3,421.00          3,421.00
  ------------------------------------------------------------------------------------
    ----------------------------------------------------------------------------------
```

```
  ____________________________________________________________
  Standard errors in parentheses
  * p<0.1, ** p<0.05, *** p<0.01

640 esttab using $TABSAVEDIR/sensitivity-panelD-bow-accuracy-nostopwords.tex,
  >         replace
  >         booktabs
  >         fragment
  >         keep(`keep_coeff')
  >         coeflabel($coeff_labels)
  >         `esttab_options'
  >         nomtitle
  >         nonumbers
  >         nolines
  >         nogaps
  >         noeqlines
  >         nodepvars
  >         scalars("nobs N")
  > ;
  (output written to ../results/tables/sensitivity-panelD-bow-accuracy-nostopwords.tex)

641 esttab using $TABSAVEDIR/sensitivity-panelD-bow-accuracy-nostopwords.md,
  >         replace
  >         se
  >         star (* 0.1 ** 0.05 *** 0.01)
  >         keep(1.opposition)
  >         coeflabel($coeff_labels)
  >     b(%9.2f)
  >     se(%9.2f)
  >     nonumbers
  >         style(mmd)
  >         mtitle(
  >             "(1) Baseline Regression"
  >             "(2) Journalist FE"
  >             "(3) No ministerial controls"
  >             "(4) No translations"
  >             "(5) Cluster by speech"
  >             "(6) Cluster by journalist"
  >             "(7) Speech K = 50"
  >             "(8) Speech K = 100"
  >             "(9) Article K = 30"
  >             "(10) Article K = 50"
  >             "(11) Sentence topics"
  >             "(12) Parsimonious topics"
  >         )
  > ;
  (output written to ../results/tables/sensitivity-panelD-bow-accuracy-nostopwords.md)

642 #delimit cr
  delimiter now cr
643
644 // *-------------------------------------------------------------------------------
  > ------------------
645 // * Panel E. Semantic similarity robustness checks
646 // *-------------------------------------------------------------------------------
  > ------------------
647 eststo clear

648 eststo: reg ce_max_quote2speech i.opposition `base' $min speech_92K*  article_40K* q
  > uote_92K*,          vce(cluster article_id)
  note: 2016.year omitted because of collinearity
  note: 1.rank#1.MFA identifies no observations in the sample
  note: 2.rank#1.MFA identifies no observations in the sample
  note: 6.rank#1.MFA omitted because of collinearity
  note: 7.rank#1.MFA identifies no observations in the sample
  note: 8.rank#1.MFA identifies no observations in the sample
  note: 9.rank#1.MFA identifies no observations in the sample
  note: 10b.rank#1.MFA identifies no observations in the sample
  note: 11.rank#1.MFA identifies no observations in the sample
  note: 12.rank#1.MFA identifies no observations in the sample
  note: 1.rank#1.PMO identifies no observations in the sample
  note: 2.rank#1.PMO identifies no observations in the sample
```

```
note: 5.rank#1.PMO omitted because of collinearity
note: 6.rank#1.PMO identifies no observations in the sample
note: 7.rank#1.PMO identifies no observations in the sample
note: 8.rank#1.PMO identifies no observations in the sample
note: 9.rank#1.PMO identifies no observations in the sample
note: 10b.rank#1.PMO identifies no observations in the sample
note: 11.rank#1.PMO identifies no observations in the sample
note: 12.rank#1.PMO identifies no observations in the sample
note: 1.rank#1.MEWR identifies no observations in the sample
note: 2.rank#1.MEWR identifies no observations in the sample
note: 7.rank#1.MEWR omitted because of collinearity
note: 8.rank#1.MEWR identifies no observations in the sample
note: 9.rank#1.MEWR identifies no observations in the sample
note: 10b.rank#1.MEWR identifies no observations in the sample
note: 11.rank#1.MEWR identifies no observations in the sample
note: 12.rank#1.MEWR identifies no observations in the sample
note: 1.rank#1.MCI identifies no observations in the sample
note: 2.rank#1.MCI identifies no observations in the sample
note: 6.rank#1.MCI identifies no observations in the sample
note: 8.rank#1.MCI omitted because of collinearity
note: 9.rank#1.MCI identifies no observations in the sample
note: 10b.rank#1.MCI identifies no observations in the sample
note: 11.rank#1.MCI identifies no observations in the sample
note: 12.rank#1.MCI identifies no observations in the sample
note: 1.rank#1.MTI identifies no observations in the sample
note: 2.rank#1.MTI identifies no observations in the sample
note: 7.rank#1.MTI omitted because of collinearity
note: 8.rank#1.MTI omitted because of collinearity
note: 9.rank#1.MTI identifies no observations in the sample
note: 10b.rank#1.MTI identifies no observations in the sample
note: 11.rank#1.MTI identifies no observations in the sample
note: 12.rank#1.MTI identifies no observations in the sample
note: 1.rank#1.MHA identifies no observations in the sample
note: 6.rank#1.MHA identifies no observations in the sample
note: 8.rank#1.MHA omitted because of collinearity
note: 9.rank#1.MHA identifies no observations in the sample
note: 10b.rank#1.MHA identifies no observations in the sample
note: 11.rank#1.MHA identifies no observations in the sample
note: 12.rank#1.MHA identifies no observations in the sample
note: 1.rank#1.MCCY identifies no observations in the sample
note: 2.rank#1.MCCY identifies no observations in the sample
note: 8.rank#1.MCCY omitted because of collinearity
note: 9.rank#1.MCCY identifies no observations in the sample
note: 10b.rank#1.MCCY identifies no observations in the sample
note: 11.rank#1.MCCY identifies no observations in the sample
note: 12.rank#1.MCCY identifies no observations in the sample
note: 1.rank#1.MinLaw identifies no observations in the sample
note: 5.rank#1.MinLaw identifies no observations in the sample
note: 6.rank#1.MinLaw identifies no observations in the sample
note: 7.rank#1.MinLaw omitted because of collinearity
note: 8.rank#1.MinLaw identifies no observations in the sample
note: 9.rank#1.MinLaw identifies no observations in the sample
note: 10b.rank#1.MinLaw identifies no observations in the sample
note: 11.rank#1.MinLaw identifies no observations in the sample
note: 12.rank#1.MinLaw identifies no observations in the sample
note: 1.rank#1.MOH identifies no observations in the sample
note: 2.rank#1.MOH identifies no observations in the sample
note: 6.rank#1.MOH identifies no observations in the sample
note: 8.rank#1.MOH omitted because of collinearity
note: 9.rank#1.MOH identifies no observations in the sample
note: 10b.rank#1.MOH identifies no observations in the sample
note: 11.rank#1.MOH identifies no observations in the sample
note: 12.rank#1.MOH identifies no observations in the sample
note: 1.rank#1.MOM identifies no observations in the sample
note: 6.rank#1.MOM identifies no observations in the sample
note: 7.rank#1.MOM omitted because of collinearity
note: 8.rank#1.MOM identifies no observations in the sample
note: 9.rank#1.MOM identifies no observations in the sample
note: 10b.rank#1.MOM identifies no observations in the sample
note: 11.rank#1.MOM identifies no observations in the sample
note: 12.rank#1.MOM identifies no observations in the sample
note: 1.rank#1.MinDef identifies no observations in the sample
```

```
note: 6.rank#1.MinDef omitted because of collinearity
note: 7.rank#1.MinDef omitted because of collinearity
note: 8.rank#1.MinDef identifies no observations in the sample
note: 9.rank#1.MinDef identifies no observations in the sample
note: 10b.rank#1.MinDef identifies no observations in the sample
note: 11.rank#1.MinDef identifies no observations in the sample
note: 12.rank#1.MinDef identifies no observations in the sample
note: 1.rank#1.MSF identifies no observations in the sample
note: 2.rank#1.MSF identifies no observations in the sample
note: 7.rank#1.MSF identifies no observations in the sample
note: 8.rank#1.MSF omitted because of collinearity
note: 9.rank#1.MSF identifies no observations in the sample
note: 10b.rank#1.MSF identifies no observations in the sample
note: 11.rank#1.MSF identifies no observations in the sample
note: 12.rank#1.MSF identifies no observations in the sample
note: 1.rank#1.MOT identifies no observations in the sample
note: 2.rank#1.MOT identifies no observations in the sample
note: 6.rank#1.MOT omitted because of collinearity
note: 7.rank#1.MOT omitted because of collinearity
note: 8.rank#1.MOT omitted because of collinearity
note: 9.rank#1.MOT identifies no observations in the sample
note: 10b.rank#1.MOT identifies no observations in the sample
note: 11.rank#1.MOT identifies no observations in the sample
note: 12.rank#1.MOT identifies no observations in the sample
note: 1.rank#1.MND identifies no observations in the sample
note: 2.rank#1.MND identifies no observations in the sample
note: 6.rank#1.MND omitted because of collinearity
note: 8.rank#1.MND omitted because of collinearity
note: 9.rank#1.MND identifies no observations in the sample
note: 10b.rank#1.MND identifies no observations in the sample
note: 11.rank#1.MND identifies no observations in the sample
note: 12.rank#1.MND identifies no observations in the sample
note: 4.rank#1.MOF omitted because of collinearity
note: 5.rank#1.MOF omitted because of collinearity
note: 6.rank#1.MOF identifies no observations in the sample
note: 7.rank#1.MOF identifies no observations in the sample
note: 8.rank#1.MOF identifies no observations in the sample
note: 9.rank#1.MOF identifies no observations in the sample
note: 10b.rank#1.MOF identifies no observations in the sample
note: 11.rank#1.MOF identifies no observations in the sample
note: 12.rank#1.MOF identifies no observations in the sample
note: 1.rank#1.MOE identifies no observations in the sample
note: 2.rank#1.MOE identifies no observations in the sample
note: 6.rank#1.MOE omitted because of collinearity
note: 8.rank#1.MOE omitted because of collinearity
note: 9.rank#1.MOE identifies no observations in the sample
note: 10b.rank#1.MOE identifies no observations in the sample
note: 11.rank#1.MOE identifies no observations in the sample
note: 12.rank#1.MOE identifies no observations in the sample
note: 1.rank#1.speaker identifies no observations in the sample
note: 2.rank#1.speaker identifies no observations in the sample
note: 3.rank#1.speaker identifies no observations in the sample
note: 5.rank#1.speaker identifies no observations in the sample
note: 6.rank#1.speaker identifies no observations in the sample
note: 7.rank#1.speaker identifies no observations in the sample
note: 8.rank#1.speaker identifies no observations in the sample
note: 10b.rank#1.speaker omitted because of collinearity
note: 11.rank#1.speaker identifies no observations in the sample
note: 12.rank#1.speaker identifies no observations in the sample
note: speech_92K_92 omitted because of collinearity
note: article_40K_40 omitted because of collinearity
note: quote_92K_92 omitted because of collinearity

Linear regression                               Number of obs =   14901
                                                F(351,  3420) =       .
                                                Prob > F      =       .
                                                R-squared     =  0.2302
                                                Root MSE      =  23.839
```

(Std. Err. adjusted for **3421** clusters in article_id)

ce_max_quote2sp~h	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
1.opposition	**-4.052996**	**1.457889**	**-2.78**	**0.005**	**-6.911417**	**-1.194575**
ln_quote	**9.055567**	**.2935886**	**30.84**	**0.000**	**8.479941**	**9.631194**
ln_speech	**-2.377075**	**.3055517**	**-7.78**	**0.000**	**-2.976158**	**-1.777993**
ln_article	**.054403**	**.9782019**	**0.06**	**0.956**	**-1.863516**	**1.972322**
parl						
11th parliament	**-2.819646**	**3.851145**	**-0.73**	**0.464**	**-10.37042**	**4.731131**
12th parliament	**5.261672**	**4.683471**	**1.12**	**0.261**	**-3.921013**	**14.44436**
13th parliament	**10.45596**	**2.527909**	**4.14**	**0.000**	**5.499594**	**15.41232**
year						
2006	**8.732701**	**2.591949**	**3.37**	**0.001**	**3.650776**	**13.81463**
2007	**8.734695**	**4.585749**	**1.90**	**0.057**	**-.2563904**	**17.72578**
2008	**9.295065**	**4.585703**	**2.03**	**0.043**	**.3040709**	**18.28606**
2009	**9.727308**	**4.388147**	**2.22**	**0.027**	**1.123652**	**18.33096**
2010	**8.275999**	**4.491967**	**1.84**	**0.066**	**-.5312108**	**17.08321**
2011	**5.034775**	**4.610182**	**1.09**	**0.275**	**-4.004215**	**14.07376**
2012	**2.71552**	**5.069773**	**0.54**	**0.592**	**-7.224572**	**12.65561**
2013	**2.394228**	**5.185836**	**0.46**	**0.644**	**-7.773422**	**12.56188**
2014	**5.296911**	**5.048636**	**1.05**	**0.294**	**-4.601736**	**15.19556**
2015	**5.452847**	**5.099522**	**1.07**	**0.285**	**-4.545571**	**15.45127**
2016	**0**	(omitted)				
gender						
female	**-.3716997**	**.8236182**	**-0.45**	**0.652**	**-1.986533**	**1.243134**
race						
malay	**1.902125**	**1.09321**	**1.74**	**0.082**	**-.2412868**	**4.045537**
indian	**-1.37062**	**1.094668**	**-1.25**	**0.211**	**-3.51689**	**.7756497**
eurasian	**.8668968**	**1.695115**	**0.51**	**0.609**	**-2.456644**	**4.190437**
age	**-.6393705**	**.4959045**	**-1.29**	**0.197**	**-1.611669**	**.3329285**
age2	**.0062578**	**.0053594**	**1.17**	**0.243**	**-.0042502**	**.0167658**
tenure	**.1133975**	**.1616078**	**0.70**	**0.483**	**-.2034601**	**.4302552**
tenure2	**-.0048273**	**.0056352**	**-0.86**	**0.392**	**-.0158761**	**.0062214**
weekday						
tuesday	**-3.729904**	**1.685277**	**-2.21**	**0.027**	**-7.034155**	**-.425653**
wednesday	**-2.531494**	**1.778352**	**-1.42**	**0.155**	**-6.018234**	**.9552455**
thursday	**-2.607176**	**1.770581**	**-1.47**	**0.141**	**-6.07868**	**.8643274**
friday	**-6.929682**	**2.152997**	**-3.22**	**0.001**	**-11.15097**	**-2.70839**
saturday	**-4.256196**	**2.034839**	**-2.09**	**0.037**	**-8.245819**	**-.2665725**
sunday	**13.33942**	**12.61791**	**1.06**	**0.291**	**-11.39999**	**38.07883**
section2						
home	**1.236659**	**7.27567**	**0.17**	**0.865**	**-13.02844**	**15.50176**
insight	**4.882849**	**9.276365**	**0.53**	**0.599**	**-13.30493**	**23.07063**
money	**7.17198**	**8.962987**	**0.80**	**0.424**	**-10.40137**	**24.74533**
news	**-6.998746**	**14.63692**	**-0.48**	**0.633**	**-35.69675**	**21.69925**
opinion	**5.794348**	**7.926447**	**0.73**	**0.465**	**-9.746702**	**21.3354**
prime news	**4.626194**	**7.216777**	**0.64**	**0.522**	**-9.523436**	**18.77582**
review - insight	**7.0308**	**11.22614**	**0.63**	**0.531**	**-14.97981**	**29.04141**
singapore	**1.84336**	**7.159928**	**0.26**	**0.797**	**-12.19481**	**15.88153**
sports	**4.456362**	**12.64657**	**0.35**	**0.725**	**-20.33924**	**29.25196**
st	**.2008734**	**7.392126**	**0.03**	**0.978**	**-14.29256**	**14.6943**
think	**-22.27022**	**16.19676**	**-1.37**	**0.169**	**-54.02652**	**9.486076**
top of the news	**.3572185**	**7.245671**	**0.05**	**0.961**	**-13.84906**	**14.5635**
world	**10.47426**	**10.49352**	**1.00**	**0.318**	**-10.09993**	**31.04846**
translations	**-2.473498**	**3.688515**	**-0.67**	**0.503**	**-9.705414**	**4.758419**
rank						
pm	**-21.74407**	**6.732219**	**-3.23**	**0.001**	**-34.94365**	**-8.544497**
dpm	**-1.380878**	**2.411545**	**-0.57**	**0.567**	**-6.109094**	**3.347337**
minister	**-2.11009**	**1.823931**	**-1.16**	**0.247**	**-5.686194**	**1.466015**
sms	**-2.098266**	**3.493729**	**-0.60**	**0.548**	**-8.948275**	**4.751742**
mos	**5.402631**	**3.919389**	**1.38**	**0.168**	**-2.281949**	**13.08721**

mayor	1.374292	2.1552	0.64	0.524	-2.851317	5.599901
sps	-11.33668	15.16016	-0.75	0.455	-41.06055	18.3872
parl sec	18.10653	6.209542	2.92	0.004	5.931742	30.28132
speaker	14.41993	4.178679	3.45	0.001	6.226973	22.61289
ncmp	1.59732	2.177197	0.73	0.463	-2.671417	5.866058
nmp	1.58258	1.371313	1.15	0.249	-1.106096	4.271256
MFA	31.7156	29.43215	1.08	0.281	-25.99077	89.42198
PMO	2.054391	4.836481	0.42	0.671	-7.428293	11.53708
MEWR	9.597285	17.27953	0.56	0.579	-24.28197	43.47654
MCI	12.60441	29.96064	0.42	0.674	-46.13816	71.34698
MTI	-24.6612	29.3324	-0.84	0.401	-82.172	32.8496
MHA	-13.01488	6.946798	-1.87	0.061	-26.63517	.6054136
MCCY	-9.952958	5.440113	-1.83	0.067	-20.61916	.7132417
MinLaw	-14.24855	27.44507	-0.52	0.604	-68.05894	39.56184
MOH	-58.63111	25.28038	-2.32	0.020	-108.1973	-9.064921
MOM	15.88043	14.18575	1.12	0.263	-11.93296	43.69383
MinDef	14.90123	5.732931	2.60	0.009	3.660918	26.14155
MSF	-38.01378	9.564	-3.97	0.000	-56.76551	-19.26205
MOT	37.23239	27.43139	1.36	0.175	-16.55118	91.01597
MND	-10.46835	4.786634	-2.19	0.029	-19.85331	-1.083401
MOF	-2.695542	3.098941	-0.87	0.384	-8.771504	3.380421
MOE	39.54582	12.40293	3.19	0.001	15.22791	63.86372
speaker	5.854375	2.885836	2.03	0.043	.1962372	11.51251
rank#MFA						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	-32.20419	29.49507	-1.09	0.275	-90.03394	25.62556
sms#1	-32.34735	29.46049	-1.10	0.272	-90.10929	25.41459
mos#1	-36.94614	29.97779	-1.23	0.218	-95.72233	21.83006
mayor#1	0	(omitted)				
sps#1	0	(empty)				
parl sec#1	0	(empty)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#PMO						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	-.093361	5.091298	-0.02	0.985	-10.07565	9.888933
sms#1	-.6181952	5.759175	-0.11	0.915	-11.90997	10.67358
mos#1	0	(omitted)				
mayor#1	0	(empty)				
sps#1	0	(empty)				
parl sec#1	0	(empty)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MEWR						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	-7.887589	17.41369	-0.45	0.651	-42.02988	26.2547
sms#1	-13.19841	18.04145	-0.73	0.464	-48.57151	22.1747
mos#1	-8.966045	17.8552	-0.50	0.616	-43.97398	26.04189
mayor#1	-2.274468	17.91997	-0.13	0.899	-37.4094	32.86047
sps#1	0	(omitted)				
parl sec#1	0	(empty)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MCI						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	-12.42733	30.04081	-0.41	0.679	-71.32708	46.47242
sms#1	-6.369514	30.30063	-0.21	0.834	-65.77868	53.03965

mos#1	-19.0786	30.1547	-0.63	0.527	-78.20165	40.04445
mayor#1	0	(empty)				
sps#1	26.75374	17.37475	1.54	0.124	-7.312196	60.81968
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MTI						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	27.38701	29.35259	0.93	0.351	-30.16338	84.93739
sms#1	29.32061	29.5579	0.99	0.321	-28.63232	87.27354
mos#1	23.08573	29.38512	0.79	0.432	-34.52844	80.6999
mayor#1	-11.71486	32.0748	-0.37	0.715	-74.60256	51.17284
sps#1	0	(omitted)				
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MHA						
pm#1	0	(empty)				
dpm#1	13.26275	7.36809	1.80	0.072	-1.183554	27.70905
minister#1	14.72897	7.283437	2.02	0.043	.4486374	29.00929
sms#1	14.71565	7.585281	1.94	0.052	-.1564908	29.58779
mos#1	2.442581	11.06516	0.22	0.825	-19.2524	24.13757
mayor#1	0	(empty)				
sps#1	28.49022	14.39737	1.98	0.048	.2619001	56.71854
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MCCY						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	13.37001	5.908504	2.26	0.024	1.785457	24.95457
sms#1	9.890162	8.528023	1.16	0.246	-6.830374	26.6107
mos#1	11.75358	8.037933	1.46	0.144	-4.006057	27.51322
mayor#1	-21.51513	31.05835	-0.69	0.489	-82.40992	39.37966
sps#1	-9.842622	32.85627	-0.30	0.765	-74.26252	54.57727
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MinLaw						
pm#1	0	(empty)				
dpm#1	19.6502	27.90808	0.70	0.481	-35.068	74.36841
minister#1	17.79301	27.56409	0.65	0.519	-36.25074	71.83676
sms#1	19.11542	27.57275	0.69	0.488	-34.94532	73.17615
mos#1	0	(empty)				
mayor#1	0	(empty)				
sps#1	0	(omitted)				
parl sec#1	0	(empty)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MOH						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	60.08774	25.77262	2.33	0.020	9.556454	110.619
sms#1	66.73671	25.71678	2.60	0.009	16.31491	117.1585
mos#1	54.12911	25.78781	2.10	0.036	3.568027	104.6902
mayor#1	0	(empty)				

sps#1	**60.29155**	**26.30574**	**2.29**	**0.022**	**8.714999**	**111.8681**
parl sec#1	**0**	(omitted)				
speaker#1	**0**	(empty)				
mp#1	**0**	(empty)				
ncmp#1	**0**	(empty)				
nmp#1	**0**	(empty)				
rank#MOM						
pm#1	**0**	(empty)				
dpm#1	**-10.9526**	**16.31647**	**-0.67**	**0.502**	**-42.94362**	**21.03841**
minister#1	**-14.49743**	**14.273**	**-1.02**	**0.310**	**-42.4819**	**13.48704**
sms#1	**-20.87195**	**14.97915**	**-1.39**	**0.164**	**-50.24094**	**8.497032**
mos#1	**-19.10426**	**14.39739**	**-1.33**	**0.185**	**-47.33262**	**9.124101**
mayor#1	**0**	(empty)				
sps#1	**0**	(omitted)				
parl sec#1	**0**	(empty)				
speaker#1	**0**	(empty)				
mp#1	**0**	(empty)				
ncmp#1	**0**	(empty)				
nmp#1	**0**	(empty)				
rank#MinDef						
pm#1	**0**	(empty)				
dpm#1	**-9.899223**	**6.527959**	**-1.52**	**0.130**	**-22.69832**	**2.899871**
minister#1	**-13.9701**	**6.073254**	**-2.30**	**0.021**	**-25.87768**	**-2.062532**
sms#1	**-10.35487**	**6.712667**	**-1.54**	**0.123**	**-23.51612**	**2.806371**
mos#1	**-30.98791**	**8.490885**	**-3.65**	**0.000**	**-47.63563**	**-14.34019**
mayor#1	**0**	(omitted)				
sps#1	**0**	(omitted)				
parl sec#1	**0**	(empty)				
speaker#1	**0**	(empty)				
mp#1	**0**	(empty)				
ncmp#1	**0**	(empty)				
nmp#1	**0**	(empty)				
rank#MSF						
pm#1	**0**	(empty)				
dpm#1	**0**	(empty)				
minister#1	**36.83028**	**9.909748**	**3.72**	**0.000**	**17.40065**	**56.2599**
sms#1	**26.70835**	**11.21165**	**2.38**	**0.017**	**4.726142**	**48.69056**
mos#1	**20.88738**	**13.39964**	**1.56**	**0.119**	**-5.384724**	**47.15948**
mayor#1	**68.30309**	**28.85339**	**2.37**	**0.018**	**11.73146**	**124.8747**
sps#1	**0**	(empty)				
parl sec#1	**0**	(omitted)				
speaker#1	**0**	(empty)				
mp#1	**0**	(empty)				
ncmp#1	**0**	(empty)				
nmp#1	**0**	(empty)				
rank#MOT						
pm#1	**0**	(empty)				
dpm#1	**0**	(empty)				
minister#1	**-34.79468**	**27.50304**	**-1.27**	**0.206**	**-88.71874**	**19.12938**
sms#1	**-35.22554**	**27.69897**	**-1.27**	**0.204**	**-89.53374**	**19.08266**
mos#1	**-38.60869**	**27.92332**	**-1.38**	**0.167**	**-93.35676**	**16.13938**
mayor#1	**0**	(omitted)				
sps#1	**0**	(omitted)				
parl sec#1	**0**	(omitted)				
speaker#1	**0**	(empty)				
mp#1	**0**	(empty)				
ncmp#1	**0**	(empty)				
nmp#1	**0**	(empty)				
rank#MND						
pm#1	**0**	(empty)				
dpm#1	**0**	(empty)				
minister#1	**17.14249**	**5.20721**	**3.29**	**0.001**	**6.932937**	**27.35205**
sms#1	**10.96026**	**5.4563**	**2.01**	**0.045**	**.2623218**	**21.6582**
mos#1	**12.98491**	**5.922923**	**2.19**	**0.028**	**1.372087**	**24.59774**
mayor#1	**0**	(omitted)				
sps#1	**29.87508**	**16.16035**	**1.85**	**0.065**	**-1.809832**	**61.55999**
parl sec#1	**0**	(omitted)				

speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MOF						
pm#1	-.1109722	10.37279	-0.01	0.991	-20.44847	20.22653
dpm#1	-17.62815	6.013617	-2.93	0.003	-29.41879	-5.837499
minister#1	-5.169966	3.886604	-1.33	0.184	-12.79027	2.450335
sms#1	0	(omitted)				
mos#1	0	(omitted)				
mayor#1	0	(empty)				
sps#1	0	(empty)				
parl sec#1	0	(empty)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MOE						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	-36.96171	12.64979	-2.92	0.004	-61.76362	-12.15981
sms#1	-40.07993	12.77077	-3.14	0.002	-65.11905	-15.04082
mos#1	-35.40522	13.19202	-2.68	0.007	-61.27026	-9.540189
mayor#1	0	(omitted)				
sps#1	-40.23976	15.30157	-2.63	0.009	-70.2409	-10.23861
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#speaker						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	0	(empty)				
sms#1	-.5144001	5.147295	-0.10	0.920	-10.60648	9.577684
mos#1	0	(empty)				
mayor#1	0	(empty)				
sps#1	0	(empty)				
parl sec#1	0	(empty)				
speaker#1	-14.44715	4.670191	-3.09	0.002	-23.60379	-5.290499
mp#1	0	(omitted)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
speech_92K_1	-4.044721	10.1919	-0.40	0.691	-24.02755	15.9381
speech_92K_2	3.986764	7.626153	0.52	0.601	-10.96551	18.93904
speech_92K_3	-7.947368	8.718399	-0.91	0.362	-25.04117	9.146429
speech_92K_4	6.789772	8.838257	0.77	0.442	-10.53903	24.11857
speech_92K_5	-.9152151	14.99719	-0.06	0.951	-30.31957	28.48914
speech_92K_6	1.444409	10.40854	0.14	0.890	-18.96318	21.852
speech_92K_7	-1.047244	7.704118	-0.14	0.892	-16.15238	14.05789
speech_92K_8	1.185984	8.61461	0.14	0.891	-15.70432	18.07629
speech_92K_9	-3.118326	13.2555	-0.24	0.814	-29.10782	22.87117
speech_92K_10	4.818601	7.562039	0.64	0.524	-10.00797	19.64517
speech_92K_11	3.514552	7.390412	0.48	0.634	-10.97552	18.00462
speech_92K_12	10.62159	13.69088	0.78	0.438	-16.22155	37.46472
speech_92K_13	-12.51422	12.80074	-0.98	0.328	-37.6121	12.58365
speech_92K_14	-5.641697	8.325697	-0.68	0.498	-21.96554	10.68215
speech_92K_15	-10.86777	15.0231	-0.72	0.469	-40.32294	18.58739
speech_92K_16	-.2002456	10.14889	-0.02	0.984	-20.09875	19.69826
speech_92K_17	-3.287894	8.448353	-0.39	0.697	-19.85222	13.27644
speech_92K_18	-3.737208	13.85229	-0.27	0.787	-30.89681	23.42239
speech_92K_19	-.4725931	7.165355	-0.07	0.947	-14.5214	13.57622
speech_92K_20	13.12174	7.671143	1.71	0.087	-1.918744	28.16223
speech_92K_21	2.096953	7.218958	0.29	0.771	-12.05695	16.25086
speech_92K_22	5.171298	9.927548	0.52	0.602	-14.29323	24.63582
speech_92K_23	-4.200961	6.01467	-0.70	0.485	-15.99367	7.591749
speech_92K_24	-12.62071	7.329258	-1.72	0.085	-26.99087	1.749462
speech_92K_25	-9.342433	10.23135	-0.91	0.361	-29.40261	10.71774

speech_92K_26	-25.75267	17.39174	-1.48	0.139	-59.85192	8.346577
speech_92K_27	7.090672	13.63242	0.52	0.603	-19.63783	33.81918
speech_92K_28	4.929872	8.994491	0.55	0.584	-12.70525	22.56499
speech_92K_29	4.060664	9.088189	0.45	0.655	-13.75817	21.87949
speech_92K_30	-4.666005	11.27863	-0.41	0.679	-26.77954	17.44753
speech_92K_31	.7392174	6.694542	0.11	0.912	-12.38649	13.86492
speech_92K_32	16.71219	15.67905	1.07	0.287	-14.02906	47.45343
speech_92K_33	7.260537	7.840581	0.93	0.355	-8.112159	22.63323
speech_92K_34	-.9582095	8.41641	-0.11	0.909	-17.45991	15.54349
speech_92K_35	10.62784	8.870442	1.20	0.231	-6.764061	28.01974
speech_92K_36	11.42897	7.04622	1.62	0.105	-2.386262	25.24419
speech_92K_37	6.833276	11.29825	0.60	0.545	-15.31872	28.98527
speech_92K_38	7.410601	15.66601	0.47	0.636	-23.30509	38.12629
speech_92K_39	-.5109521	10.39077	-0.05	0.961	-20.8837	19.8618
speech_92K_40	2.483165	8.333516	0.30	0.766	-13.85601	18.82234
speech_92K_41	-15.01959	8.071448	-1.86	0.063	-30.84493	.8057605
speech_92K_42	-6.058868	12.45845	-0.49	0.627	-30.48563	18.36789
speech_92K_43	5.216988	8.627683	0.60	0.545	-11.69895	22.13292
speech_92K_44	-1.469964	9.359525	-0.16	0.875	-19.82079	16.88086
speech_92K_45	-2.158226	17.11695	-0.13	0.900	-35.71871	31.40225
speech_92K_46	-14.25816	17.11288	-0.83	0.405	-47.81066	19.29433
speech_92K_47	8.853035	10.37559	0.85	0.394	-11.48994	29.19601
speech_92K_48	13.20182	8.051654	1.64	0.101	-2.584719	28.98836
speech_92K_49	8.645529	10.70351	0.81	0.419	-12.3404	29.63145
speech_92K_50	-21.55032	15.00773	-1.44	0.151	-50.97535	7.874717
speech_92K_51	-.6980883	7.21946	-0.10	0.923	-14.85298	13.4568
speech_92K_52	11.896	7.515897	1.58	0.114	-2.840102	26.6321
speech_92K_53	-4.459604	8.471542	-0.53	0.599	-21.0694	12.15019
speech_92K_54	15.43202	11.23819	1.37	0.170	-6.602224	37.46626
speech_92K_55	5.412935	9.438606	0.57	0.566	-13.09294	23.91881
speech_92K_56	-15.21977	14.1734	-1.07	0.283	-43.00896	12.56943
speech_92K_57	-11.27416	9.070329	-1.24	0.214	-29.05797	6.509652
speech_92K_58	1.911564	8.381859	0.23	0.820	-14.5224	18.34552
speech_92K_59	-8.798251	7.953769	-1.11	0.269	-24.39287	6.796369
speech_92K_60	-1.317059	8.028095	-0.16	0.870	-17.05741	14.42329
speech_92K_61	3.253088	9.934009	0.33	0.743	-16.22411	22.73028
speech_92K_62	-10.0113	9.829567	-1.02	0.309	-29.28372	9.261117
speech_92K_63	28.49953	17.26305	1.65	0.099	-5.347404	62.34646
speech_92K_64	-15.87291	9.865342	-1.61	0.108	-35.21547	3.469647
speech_92K_65	4.127755	10.39848	0.40	0.691	-16.26011	24.51563
speech_92K_66	10.68802	7.976014	1.34	0.180	-4.950214	26.32626
speech_92K_67	-7.005506	7.568267	-0.93	0.355	-21.84429	7.833277
speech_92K_68	-8.833126	15.96206	-0.55	0.580	-40.12927	22.46302
speech_92K_69	-5.005196	9.580216	-0.52	0.601	-23.78872	13.77833
speech_92K_70	3.083347	9.96829	0.31	0.757	-16.46106	22.62775
speech_92K_71	-12.95599	13.02303	-0.99	0.320	-38.48969	12.57771
speech_92K_72	2.493989	8.690737	0.29	0.774	-14.54557	19.53355
speech_92K_73	9.360656	7.398375	1.27	0.206	-5.145026	23.86634
speech_92K_74	-8.029234	10.45091	-0.77	0.442	-28.51989	12.46142
speech_92K_75	6.179946	14.98874	0.41	0.680	-23.20785	35.56775
speech_92K_76	13.57277	8.377896	1.62	0.105	-2.85342	29.99896
speech_92K_77	-8.404546	9.415242	-0.89	0.372	-26.86461	10.05552
speech_92K_78	-46.28674	28.61276	-1.62	0.106	-102.3866	9.813092
speech_92K_79	8.967335	11.57834	0.77	0.439	-13.73382	31.66849
speech_92K_80	6.041393	6.473325	0.93	0.351	-6.650582	18.73337
speech_92K_81	3.115442	9.223712	0.34	0.736	-14.9691	21.19999
speech_92K_82	-12.19428	16.67139	-0.73	0.465	-44.88118	20.49262
speech_92K_83	-6.796856	12.63637	-0.54	0.591	-31.57246	17.97875
speech_92K_84	2.005536	12.50561	0.16	0.873	-22.51369	26.52476
speech_92K_85	19.4996	8.817275	2.21	0.027	2.211944	36.78726
speech_92K_86	-4.728248	9.13818	-0.52	0.605	-22.64509	13.1886
speech_92K_87	-8.095065	10.83741	-0.75	0.455	-29.34353	13.1534
speech_92K_88	3.703047	8.676516	0.43	0.670	-13.30863	20.71473
speech_92K_89	-.4890274	8.485354	-0.06	0.954	-17.1259	16.14785
speech_92K_90	18.88198	10.38316	1.82	0.069	-1.475854	39.23981
speech_92K_91	7.689151	13.49726	0.57	0.569	-18.77436	34.15266
speech_92K_92	0	(omitted)				
article_40K_1	-19.8457	13.24596	-1.50	0.134	-45.81649	6.125093
article_40K_2	-21.83592	15.80805	-1.38	0.167	-52.83009	9.15826
article_40K_3	-35.34591	15.30266	-2.31	0.021	-65.34918	-5.342629
article_40K_4	-29.06556	28.80416	-1.01	0.313	-85.54067	27.40954
article_40K_5	-21.50727	15.75925	-1.36	0.172	-52.40577	9.391225

article_40K_6	-11.46935	17.96481	-0.64	0.523	-46.69221	23.7535
article_40K_7	-36.22295	13.91004	-2.60	0.009	-63.49577	-8.950124
article_40K_8	-15.93419	16.66227	-0.96	0.339	-48.6032	16.73483
article_40K_9	-29.17596	19.56819	-1.49	0.136	-67.54248	9.190559
article_40K_10	-36.36522	13.79293	-2.64	0.008	-63.40843	-9.322009
article_40K_11	-29.47356	15.90806	-1.85	0.064	-60.66382	1.716712
article_40K_12	-29.67283	13.89966	-2.13	0.033	-56.9253	-2.420351
article_40K_13	-33.82098	14.76443	-2.29	0.022	-62.76898	-4.87298
article_40K_14	-27.4838	14.95091	-1.84	0.066	-56.79741	1.829811
article_40K_15	-29.34126	14.28767	-2.05	0.040	-57.3545	-1.328024
article_40K_16	-28.49769	17.65654	-1.61	0.107	-63.11613	6.120752
article_40K_17	-30.5769	13.77745	-2.22	0.027	-57.58976	-3.564035
article_40K_18	-31.99067	14.33608	-2.23	0.026	-60.09882	-3.882534
article_40K_19	-38.10134	14.5747	-2.61	0.009	-66.67733	-9.525352
article_40K_20	-50.95234	20.58127	-2.48	0.013	-91.30516	-10.59952
article_40K_21	-47.73669	18.55496	-2.57	0.010	-84.11662	-11.35676
article_40K_22	-45.50307	22.28682	-2.04	0.041	-89.1999	-1.806236
article_40K_23	-27.01254	13.7059	-1.97	0.049	-53.88511	-.1399656
article_40K_24	-40.34883	19.65313	-2.05	0.040	-78.8819	-1.815761
article_40K_25	-32.472	18.51101	-1.75	0.079	-68.76575	3.821746
article_40K_26	-46.51742	15.69495	-2.96	0.003	-77.28985	-15.74498
article_40K_27	-30.99655	15.35755	-2.02	0.044	-61.10745	-.885653
article_40K_28	-38.40786	15.16987	-2.53	0.011	-68.15079	-8.664924
article_40K_29	-28.6648	13.52348	-2.12	0.034	-55.17971	-2.149879
article_40K_30	-22.46747	15.23869	-1.47	0.140	-52.34534	7.410394
article_40K_31	-34.15179	15.34855	-2.23	0.026	-64.24504	-4.058535
article_40K_32	-17.14336	14.25059	-1.20	0.229	-45.0839	10.79718
article_40K_33	-34.72236	14.5355	-2.39	0.017	-63.2215	-6.223229
article_40K_34	-35.61805	13.96221	-2.55	0.011	-62.99316	-8.242941
article_40K_35	-42.52784	15.12369	-2.81	0.005	-72.18022	-12.87545
article_40K_36	-19.89224	13.40384	-1.48	0.138	-46.17259	6.388109
article_40K_37	-32.82428	14.824	-2.21	0.027	-61.88908	-3.759484
article_40K_38	-49.71722	21.21743	-2.34	0.019	-91.31734	-8.117091
article_40K_39	-33.53183	15.26501	-2.20	0.028	-63.46129	-3.602369
article_40K_40	0	(omitted)				
quote_92K_1	2.032556	6.427871	0.32	0.752	-10.5703	14.63541
quote_92K_2	2.876082	3.988816	0.72	0.471	-4.944621	10.69678
quote_92K_3	7.759817	3.656103	2.12	0.034	.5914497	14.92818
quote_92K_4	7.452247	4.172245	1.79	0.074	-.7280989	15.63259
quote_92K_5	6.242945	5.20634	1.20	0.231	-3.964906	16.4508
quote_92K_6	3.269927	4.891888	0.67	0.504	-6.321393	12.86125
quote_92K_7	.4656294	3.611426	0.13	0.897	-6.615142	7.5464
quote_92K_8	1.818518	4.790635	0.38	0.704	-7.574278	11.21131
quote_92K_9	6.177644	5.213082	1.19	0.236	-4.043426	16.39871
quote_92K_10	1.561574	4.012976	0.39	0.697	-6.306498	9.429647
quote_92K_11	7.656687	3.57285	2.14	0.032	.6515499	14.66182
quote_92K_12	7.676528	5.334305	1.44	0.150	-2.78222	18.13528
quote_92K_13	8.537903	4.49091	1.90	0.057	-.2672342	17.34304
quote_92K_14	3.466541	3.627302	0.96	0.339	-3.645357	10.57844
quote_92K_15	.8787343	5.322914	0.17	0.869	-9.557679	11.31515
quote_92K_16	.409351	4.532666	0.09	0.928	-8.477657	9.296359
quote_92K_17	4.542017	4.839451	0.94	0.348	-4.946491	14.03053
quote_92K_18	11.69341	5.582284	2.09	0.036	.7484634	22.63836
quote_92K_19	6.361992	3.907651	1.63	0.104	-1.299574	14.02356
quote_92K_20	4.300678	4.080226	1.05	0.292	-3.699249	12.3006
quote_92K_21	.9020822	4.132946	0.22	0.827	-7.201212	9.005376
quote_92K_22	8.988047	4.263641	2.11	0.035	.6285064	17.34759
quote_92K_23	5.437809	3.359254	1.62	0.106	-1.148539	12.02416
quote_92K_24	5.742995	3.437324	1.67	0.095	-.9964204	12.48241
quote_92K_25	-1.017426	5.651317	-0.18	0.857	-12.09772	10.06287
quote_92K_26	6.704413	4.285119	1.56	0.118	-1.697239	15.10607
quote_92K_27	9.704984	4.93718	1.97	0.049	.0248636	19.3851
quote_92K_28	.7200208	5.380576	0.13	0.894	-9.829448	11.26949
quote_92K_29	3.560093	3.866869	0.92	0.357	-4.021515	11.1417
quote_92K_30	7.266038	5.495301	1.32	0.186	-3.508368	18.04044
quote_92K_31	8.526125	3.884076	2.20	0.028	.91078	16.14147
quote_92K_32	3.342486	4.200281	0.80	0.426	-4.892828	11.5778
quote_92K_33	5.364459	3.658789	1.47	0.143	-1.809174	12.53809
quote_92K_34	3.929047	4.659431	0.84	0.399	-5.206502	13.0646
quote_92K_35	4.580113	4.266634	1.07	0.283	-3.785296	12.94552
quote_92K_36	5.276344	4.153054	1.27	0.204	-2.866374	13.41906
quote_92K_37	5.516701	4.164047	1.32	0.185	-2.647571	13.68097

quote_92K_38	1.911233	5.587178	0.34	0.732	-9.043311	12.86578
quote_92K_39	7.025256	4.054738	1.73	0.083	-.9246974	14.97521
quote_92K_40	1.325406	4.365628	0.30	0.761	-7.234097	9.88491
quote_92K_41	3.49155	3.650883	0.96	0.339	-3.666582	10.64968
quote_92K_42	4.240237	4.378135	0.97	0.333	-4.343788	12.82426
quote_92K_43	3.431329	3.769769	0.91	0.363	-3.959898	10.82256
quote_92K_44	7.266042	3.887696	1.87	0.062	-.3563993	14.88848
quote_92K_45	5.49141	4.643993	1.18	0.237	-3.613872	14.59669
quote_92K_46	.8105227	7.485015	0.11	0.914	-13.86503	15.48608
quote_92K_47	-.3172166	4.805873	-0.07	0.947	-9.73989	9.105457
quote_92K_48	10.56456	3.977973	2.66	0.008	2.765117	18.364
quote_92K_49	3.857436	5.212677	0.74	0.459	-6.362841	14.07771
quote_92K_50	-.8707527	6.310597	-0.14	0.890	-13.24367	11.50217
quote_92K_51	3.680872	3.634805	1.01	0.311	-3.445737	10.80748
quote_92K_52	.2591583	4.201465	0.06	0.951	-7.978477	8.496794
quote_92K_53	4.512516	4.343085	1.04	0.299	-4.002789	13.02782
quote_92K_54	2.15951	4.612088	0.47	0.640	-6.883216	11.20224
quote_92K_55	-.2915448	4.1253	-0.07	0.944	-8.379846	7.796757
quote_92K_56	2.351663	4.586076	0.51	0.608	-6.640063	11.34339
quote_92K_57	4.122131	3.859539	1.07	0.286	-3.445105	11.68937
quote_92K_58	5.962813	5.704555	1.05	0.296	-5.221868	17.14749
quote_92K_59	.8009796	4.077144	0.20	0.844	-7.192904	8.794864
quote_92K_60	8.43923	3.810807	2.21	0.027	.9675418	15.91092
quote_92K_61	5.549492	4.109737	1.35	0.177	-2.508295	13.60728
quote_92K_62	1.575768	4.182358	0.38	0.706	-6.624406	9.775941
quote_92K_63	5.903615	6.365604	0.93	0.354	-6.577156	18.38439
quote_92K_64	6.81168	5.013746	1.36	0.174	-3.01856	16.64192
quote_92K_65	2.857218	4.390938	0.65	0.515	-5.75191	11.46635
quote_92K_66	3.590178	3.856462	0.93	0.352	-3.971024	11.15138
quote_92K_67	2.096966	3.95667	0.53	0.596	-5.66071	9.854642
quote_92K_68	13.36479	4.804823	2.78	0.005	3.94417	22.7854
quote_92K_69	10.38183	4.145915	2.50	0.012	2.253112	18.51055
quote_92K_70	11.68227	4.124345	2.83	0.005	3.595845	19.7687
quote_92K_71	3.296008	5.02273	0.66	0.512	-6.551848	13.14386
quote_92K_72	2.356982	4.517835	0.52	0.602	-6.500947	11.21491
quote_92K_73	-.9450529	4.548482	-0.21	0.835	-9.86307	7.972964
quote_92K_74	1.482037	5.503375	0.27	0.788	-9.308198	12.27227
quote_92K_75	3.813211	5.156256	0.74	0.460	-6.296443	13.92287
quote_92K_76	2.666514	3.505668	0.76	0.447	-4.2069	9.539929
quote_92K_77	4.168751	4.548271	0.92	0.359	-4.748851	13.08635
quote_92K_78	-1.2764	6.007102	-0.21	0.832	-13.05427	10.50147
quote_92K_79	3.789952	4.834913	0.78	0.433	-5.689658	13.26956
quote_92K_80	4.485162	3.863334	1.16	0.246	-3.089514	12.05984
quote_92K_81	5.000871	4.08188	1.23	0.221	-3.002299	13.00404
quote_92K_82	-2.623261	5.355439	-0.49	0.624	-13.12344	7.876922
quote_92K_83	-.1281542	4.543531	-0.03	0.977	-9.036464	8.780155
quote_92K_84	7.666891	4.493453	1.71	0.088	-1.143233	16.47701
quote_92K_85	7.986122	3.846267	2.08	0.038	.4449075	15.52734
quote_92K_86	5.403636	4.203754	1.29	0.199	-2.838487	13.64576
quote_92K_87	6.049494	4.686326	1.29	0.197	-3.138788	15.23778
quote_92K_88	7.999364	3.605626	2.22	0.027	.9299645	15.06876
quote_92K_89	2.629009	4.033136	0.65	0.515	-5.278591	10.53661
quote_92K_90	.4623923	5.073239	0.09	0.927	-9.484495	10.40928
quote_92K_91	2.950621	5.814257	0.51	0.612	-8.449148	14.35039
quote_92K_92	0	(omitted)				
_cons	120.1467	20.81084	5.77	0.000	79.34378	160.9497

(**est1** stored)

```
649         local nobs: display %9.0fc `e(N)'
```

```
650         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

651 eststo: qui reg ce_max_quote2speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K* i.authorID i.beat, vce(cluster article_id)
  (est2 stored)

652         local nobs: display %9.0fc `e(N)'

653         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   13,524}"

654 eststo: qui reg ce_max_quote2speech i.opposition `base'      speech_92K*  article_50
  > K* quote_92K*,          vce(cluster article_id)
  (est3 stored)

655         local nobs: display %9.0fc `e(N)'

656         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

657 eststo: qui reg ce_max_quote2speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K* if translations==0, vce(cluster article_id)
  (est4 stored)

658         local nobs: display %9.0fc `e(N)'

659         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,697}"

660 eststo: qui reg ce_max_quote2speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K*,          vce(cluster speech_id)
  (est5 stored)

661         local nobs: display %9.0fc `e(N)'

662         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

663 eststo: qui reg ce_max_quote2speech i.opposition `base' $min speech_92K*  article_40
  > K* quote_92K* i.authorID,vce(cluster authorID)
  (est6 stored)

664         local nobs: display %9.0fc `e(N)'

665         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"
```

```
666 eststo: qui reg ce_max_quote2speech i.opposition `base' $min speech_50K*  article_40
  > K* quote_50K*,          vce(cluster article_id)
  (est7 stored)

667         local nobs: display %9.0fc `e(N)'

668         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

669 eststo: qui reg ce_max_quote2speech i.opposition `base' $min speech_100K* article_40
  > K* quote_100K*,         vce(cluster article_id)
  (est8 stored)

670         local nobs: display %9.0fc `e(N)'

671         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

672 eststo: qui reg ce_max_quote2speech i.opposition `base' $min speech_92K*  article_30
  > K* quote_92K*,          vce(cluster article_id)
  (est9 stored)

673         local nobs: display %9.0fc `e(N)'

674         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

675 eststo: qui reg ce_max_quote2speech i.opposition `base' $min speech_92K*  article_50
  > K* quote_92K*,          vce(cluster article_id)
  (est10 stored)

676         local nobs: display %9.0fc `e(N)'

677         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

678 eststo: qui reg ce_max_quote2speech i.opposition `base' $min speech_92K*  article_40
  > K* sentence_92K*,       vce(cluster article_id)
  (est11 stored)

679         local nobs: display %9.0fc `e(N)'

680         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

681 eststo: qui reg ce_max_quote2speech i.opposition `base' $min speech_50K*  article_30
  > K* quote_50K*,       vce(cluster article_id)
  (est12 stored)

682         local nobs: display %9.0fc `e(N)'
```

```
683         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

684
685
686 #delimit ;
  delimiter now ;
687 esttab, keep(1.opposition)
  >                 coeflabel(`my_coeflabel')
  >                 scalars("df_m df-model" "clustvar cluster-variable" "N_clust cluster
  > -N")
  >                 `esttab_options'
  >                 mtitles(`model_title')
  >                 title(Panel E)
  > ;

  Panel E
──────────────────────────────────────────────────────────────────────────────────────────
                      (1)               (2)               (3)               (4)
>         (5)               (6)               (7)               (8)               (9)
>              (10)              (11)              (12)
                     Base         Author FE              $\sim             $\sim    Clu
> ster speech    Cluster author       Speech K=50      Speech K=100      Article K=30
>      Article K=50         SentenceK              est12
──────────────────────────────────────────────────────────────────────────────────────────
=1 if fr~1          -4.05***          -4.68***          -2.97***          -3.69**
>       -4.05***          -4.23**           -3.25**           -3.71**           -4.87*
> **          -4.06***          -4.01***          -3.92***
                   (1.46)            (1.59)            (1.13)            (1.45)
>      (1.48)            (1.66)            (1.46)            (1.49)            (1.43)
>            (1.45)            (1.47)            (1.42)
──────────────────────────────────────────────────────────────────────────────────────────
df-model           351.00            541.00            275.00            350.00
>      353.00            249.00            267.00            367.00            341.00
>           361.00            351.00            258.00
cluster-~e     article_id        article_id        article_id        article_id
>   speech_id          authorID        article_id        article_id        article_id
>        article_id        article_id        article_id
cluster-N        3,421.00          3,017.00          3,421.00          3,399.00
>    5,129.00            273.00          3,421.00          3,421.00          3,421.00
>          3,421.00          3,421.00          3,421.00
──────────────────────────────────────────────────────────────────────────────────────────
  Standard errors in parentheses
  * p<0.1, ** p<0.05, *** p<0.01

688 esttab using $TABSAVEDIR/sensitivity-panelE-semantic-accuracy.tex,
  >         replace
  >         booktabs
  >         fragment
  >         keep(1.opposition)
  >         coeflabel($coeff_labels)
  >         `esttab_options'
  >         nomtitle
  >         nonumbers
  >         nolines
  >         nogaps
  >         noeqlines
  >         nodepvars
  >         scalars("nobs N")
  > ;
  (output written to ../results/tables/sensitivity-panelE-semantic-accuracy.tex)
```

```
689 esttab using $TABSAVEDIR/sensitivity-panelE-semantic-accuracy.md,
  >         replace
  >         se
  >         star (* 0.1 ** 0.05 *** 0.01)
  >         keep(1.opposition)
  >         coeflabel($coeff_labels)
  >     b(%9.2f)
  >     se(%9.2f)
  >     nonumbers
  >         style(mmd)
  >         mtitle(
  >             "(1) Baseline Regression"
  >             "(2) Journalist FE"
  >             "(3) No ministerial controls"
  >             "(4) No translations"
  >             "(5) Cluster by speech"
  >             "(6) Cluster by journalist"
  >             "(7) Speech K = 50"
  >             "(8) Speech K = 100"
  >             "(9) Article K = 30"
  >             "(10) Article K = 50"
  >             "(11) Sentence topics"
  >             "(12) Parsimonious topics"
  >         )
  > ;
  (output written to ../results/tables/sensitivity-panelE-semantic-accuracy.md)

690 #delimit cr
  delimiter now cr
691
692
693 // *-------------------------------------------------------------------------------
  > ------------------
694 // * Panel F. Semantic similarity robustness checks (Binarized)
695 // *-------------------------------------------------------------------------------
  > ------------------
696 gen dce_max_quote2speech = (ce_max_quote2speech >= 95) if !missing(ce_max_quote2spee
  > ch)

697
698 eststo clear

699 eststo: reg dce_max_quote2speech i.opposition `base' $min speech_92K*  article_40K*
  > quote_92K*,           vce(cluster article_id)
  note: 2016.year omitted because of collinearity
  note: 1.rank#1.MFA identifies no observations in the sample
  note: 2.rank#1.MFA identifies no observations in the sample
  note: 6.rank#1.MFA omitted because of collinearity
  note: 7.rank#1.MFA identifies no observations in the sample
  note: 8.rank#1.MFA identifies no observations in the sample
  note: 9.rank#1.MFA identifies no observations in the sample
  note: 10b.rank#1.MFA identifies no observations in the sample
  note: 11.rank#1.MFA identifies no observations in the sample
  note: 12.rank#1.MFA identifies no observations in the sample
  note: 1.rank#1.PMO identifies no observations in the sample
  note: 2.rank#1.PMO identifies no observations in the sample
  note: 5.rank#1.PMO omitted because of collinearity
  note: 6.rank#1.PMO identifies no observations in the sample
  note: 7.rank#1.PMO identifies no observations in the sample
  note: 8.rank#1.PMO identifies no observations in the sample
  note: 9.rank#1.PMO identifies no observations in the sample
  note: 10b.rank#1.PMO identifies no observations in the sample
  note: 11.rank#1.PMO identifies no observations in the sample
  note: 12.rank#1.PMO identifies no observations in the sample
  note: 1.rank#1.MEWR identifies no observations in the sample
  note: 2.rank#1.MEWR identifies no observations in the sample
  note: 7.rank#1.MEWR omitted because of collinearity
  note: 8.rank#1.MEWR identifies no observations in the sample
  note: 9.rank#1.MEWR identifies no observations in the sample
  note: 10b.rank#1.MEWR identifies no observations in the sample
  note: 11.rank#1.MEWR identifies no observations in the sample
  note: 12.rank#1.MEWR identifies no observations in the sample
```

```
note: 1.rank#1.MCI identifies no observations in the sample
note: 2.rank#1.MCI identifies no observations in the sample
note: 6.rank#1.MCI identifies no observations in the sample
note: 8.rank#1.MCI omitted because of collinearity
note: 9.rank#1.MCI identifies no observations in the sample
note: 10b.rank#1.MCI identifies no observations in the sample
note: 11.rank#1.MCI identifies no observations in the sample
note: 12.rank#1.MCI identifies no observations in the sample
note: 1.rank#1.MTI identifies no observations in the sample
note: 2.rank#1.MTI identifies no observations in the sample
note: 7.rank#1.MTI omitted because of collinearity
note: 8.rank#1.MTI omitted because of collinearity
note: 9.rank#1.MTI identifies no observations in the sample
note: 10b.rank#1.MTI identifies no observations in the sample
note: 11.rank#1.MTI identifies no observations in the sample
note: 12.rank#1.MTI identifies no observations in the sample
note: 1.rank#1.MHA identifies no observations in the sample
note: 6.rank#1.MHA identifies no observations in the sample
note: 8.rank#1.MHA omitted because of collinearity
note: 9.rank#1.MHA identifies no observations in the sample
note: 10b.rank#1.MHA identifies no observations in the sample
note: 11.rank#1.MHA identifies no observations in the sample
note: 12.rank#1.MHA identifies no observations in the sample
note: 1.rank#1.MCCY identifies no observations in the sample
note: 2.rank#1.MCCY identifies no observations in the sample
note: 8.rank#1.MCCY omitted because of collinearity
note: 9.rank#1.MCCY identifies no observations in the sample
note: 10b.rank#1.MCCY identifies no observations in the sample
note: 11.rank#1.MCCY identifies no observations in the sample
note: 12.rank#1.MCCY identifies no observations in the sample
note: 1.rank#1.MinLaw identifies no observations in the sample
note: 5.rank#1.MinLaw identifies no observations in the sample
note: 6.rank#1.MinLaw identifies no observations in the sample
note: 7.rank#1.MinLaw omitted because of collinearity
note: 8.rank#1.MinLaw identifies no observations in the sample
note: 9.rank#1.MinLaw identifies no observations in the sample
note: 10b.rank#1.MinLaw identifies no observations in the sample
note: 11.rank#1.MinLaw identifies no observations in the sample
note: 12.rank#1.MinLaw identifies no observations in the sample
note: 1.rank#1.MOH identifies no observations in the sample
note: 2.rank#1.MOH identifies no observations in the sample
note: 6.rank#1.MOH identifies no observations in the sample
note: 8.rank#1.MOH omitted because of collinearity
note: 9.rank#1.MOH identifies no observations in the sample
note: 10b.rank#1.MOH identifies no observations in the sample
note: 11.rank#1.MOH identifies no observations in the sample
note: 12.rank#1.MOH identifies no observations in the sample
note: 1.rank#1.MOM identifies no observations in the sample
note: 6.rank#1.MOM identifies no observations in the sample
note: 7.rank#1.MOM omitted because of collinearity
note: 8.rank#1.MOM identifies no observations in the sample
note: 9.rank#1.MOM identifies no observations in the sample
note: 10b.rank#1.MOM identifies no observations in the sample
note: 11.rank#1.MOM identifies no observations in the sample
note: 12.rank#1.MOM identifies no observations in the sample
note: 1.rank#1.MinDef identifies no observations in the sample
note: 6.rank#1.MinDef omitted because of collinearity
note: 7.rank#1.MinDef omitted because of collinearity
note: 8.rank#1.MinDef identifies no observations in the sample
note: 9.rank#1.MinDef identifies no observations in the sample
note: 10b.rank#1.MinDef identifies no observations in the sample
note: 11.rank#1.MinDef identifies no observations in the sample
note: 12.rank#1.MinDef identifies no observations in the sample
note: 1.rank#1.MSF identifies no observations in the sample
note: 2.rank#1.MSF identifies no observations in the sample
note: 7.rank#1.MSF identifies no observations in the sample
note: 8.rank#1.MSF omitted because of collinearity
note: 9.rank#1.MSF identifies no observations in the sample
note: 10b.rank#1.MSF identifies no observations in the sample
note: 11.rank#1.MSF identifies no observations in the sample
note: 12.rank#1.MSF identifies no observations in the sample
note: 1.rank#1.MOT identifies no observations in the sample
```

```
note: 2.rank#1.MOT identifies no observations in the sample
note: 6.rank#1.MOT omitted because of collinearity
note: 7.rank#1.MOT omitted because of collinearity
note: 8.rank#1.MOT omitted because of collinearity
note: 9.rank#1.MOT identifies no observations in the sample
note: 10b.rank#1.MOT identifies no observations in the sample
note: 11.rank#1.MOT identifies no observations in the sample
note: 12.rank#1.MOT identifies no observations in the sample
note: 1.rank#1.MND identifies no observations in the sample
note: 2.rank#1.MND identifies no observations in the sample
note: 6.rank#1.MND omitted because of collinearity
note: 8.rank#1.MND omitted because of collinearity
note: 9.rank#1.MND identifies no observations in the sample
note: 10b.rank#1.MND identifies no observations in the sample
note: 11.rank#1.MND identifies no observations in the sample
note: 12.rank#1.MND identifies no observations in the sample
note: 4.rank#1.MOF omitted because of collinearity
note: 5.rank#1.MOF omitted because of collinearity
note: 6.rank#1.MOF identifies no observations in the sample
note: 7.rank#1.MOF identifies no observations in the sample
note: 8.rank#1.MOF identifies no observations in the sample
note: 9.rank#1.MOF identifies no observations in the sample
note: 10b.rank#1.MOF identifies no observations in the sample
note: 11.rank#1.MOF identifies no observations in the sample
note: 12.rank#1.MOF identifies no observations in the sample
note: 1.rank#1.MOE identifies no observations in the sample
note: 2.rank#1.MOE identifies no observations in the sample
note: 6.rank#1.MOE omitted because of collinearity
note: 8.rank#1.MOE omitted because of collinearity
note: 9.rank#1.MOE identifies no observations in the sample
note: 10b.rank#1.MOE identifies no observations in the sample
note: 11.rank#1.MOE identifies no observations in the sample
note: 12.rank#1.MOE identifies no observations in the sample
note: 1.rank#1.speaker identifies no observations in the sample
note: 2.rank#1.speaker identifies no observations in the sample
note: 3.rank#1.speaker identifies no observations in the sample
note: 5.rank#1.speaker identifies no observations in the sample
note: 6.rank#1.speaker identifies no observations in the sample
note: 7.rank#1.speaker identifies no observations in the sample
note: 8.rank#1.speaker identifies no observations in the sample
note: 10b.rank#1.speaker omitted because of collinearity
note: 11.rank#1.speaker identifies no observations in the sample
note: 12.rank#1.speaker identifies no observations in the sample
note: speech_92K_92 omitted because of collinearity
note: article_40K_40 omitted because of collinearity
note: quote_92K_92 omitted because of collinearity
```

Linear regression

Number of obs =	**14901**
F(351, 3420) =	**.**
Prob > F =	**.**
R-squared =	**0.3048**
Root MSE =	**.31333**

(Std. Err. adjusted for **3421** clusters in article_id)

dce_max_quote2s~h	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
1.opposition	**-.0351193**	**.0179843**	**-1.95**	**0.051**	**-.0703804**	**.0001417**
ln_quote	**.1827523**	**.0039274**	**46.53**	**0.000**	**.175052**	**.1904526**
ln_speech	**-.0325034**	**.0037729**	**-8.62**	**0.000**	**-.0399007**	**-.0251061**
ln_article	**-.0038177**	**.0114705**	**-0.33**	**0.739**	**-.0263074**	**.018672**
parl						
11th parliament	**-.0007746**	**.0441207**	**-0.02**	**0.986**	**-.0872803**	**.0857311**
12th parliament	**.1158018**	**.0539334**	**2.15**	**0.032**	**.0100568**	**.2215468**
13th parliament	**.0938519**	**.0295016**	**3.18**	**0.001**	**.0360093**	**.1516945**
year						
2006	**.0665155**	**.0288597**	**2.30**	**0.021**	**.0099315**	**.1230996**
2007	**.0541126**	**.0517658**	**1.05**	**0.296**	**-.0473825**	**.1556077**
2008	**.0694881**	**.0520253**	**1.34**	**0.182**	**-.0325156**	**.1714919**

2009	.063901	.0502299	1.27	0.203	-.0345827	.1623848
2010	.0285946	.0512529	0.56	0.577	-.0718949	.129084
2011	-.0037911	.052817	-0.07	0.943	-.1073471	.099765
2012	-.0493997	.0583652	-0.85	0.397	-.1638339	.0650345
2013	-.0498851	.0593909	-0.84	0.401	-.1663303	.0665601
2014	-.0170061	.0583091	-0.29	0.771	-.1313302	.097318
2015	-.0197526	.058868	-0.34	0.737	-.1351726	.0956674
2016	0	(omitted)				
gender						
female	-.0081508	.0107287	-0.76	0.447	-.029186	.0128845
race						
malay	.0288768	.0144044	2.00	0.045	.0006346	.057119
indian	-.0228607	.012877	-1.78	0.076	-.0481082	.0023868
eurasian	.0112674	.0238636	0.47	0.637	-.0355209	.0580557
age	-.0114471	.0059366	-1.93	0.054	-.0230867	.0001926
age2	.0001217	.0000629	1.93	0.053	-1.68e-06	.0002451
tenure	.000752	.0019716	0.38	0.703	-.0031137	.0046176
tenure2	-.0000691	.0000694	-1.00	0.319	-.0002051	.0000669
weekday						
tuesday	-.0212605	.0219466	-0.97	0.333	-.0642903	.0217693
wednesday	-.0010106	.0226907	-0.04	0.964	-.0454993	.0434781
thursday	-.0198786	.0232098	-0.86	0.392	-.0653851	.0256278
friday	-.0562797	.0262291	-2.15	0.032	-.107706	-.0048533
saturday	-.0311207	.0255331	-1.22	0.223	-.0811823	.0189409
sunday	.1771036	.1239536	1.43	0.153	-.0659269	.4201342
section2						
home	.088611	.1058616	0.84	0.403	-.1189473	.2961694
insight	.1459073	.1197923	1.22	0.223	-.0889645	.380779
money	.0296256	.1420625	0.21	0.835	-.2489103	.3081616
news	-.1579788	.1744299	-0.91	0.365	-.4999762	.1840187
opinion	.2186704	.1188209	1.84	0.066	-.0142967	.4516376
prime news	.1229337	.1051524	1.17	0.242	-.0832342	.3291016
review - insight	.0339436	.1926553	0.18	0.860	-.3437876	.4116748
singapore	.0860476	.1045334	0.82	0.410	-.1189068	.2910019
sports	.2182265	.1322454	1.65	0.099	-.0410614	.4775145
st	.0713192	.1069911	0.67	0.505	-.1384537	.281092
think	-.2368988	.177309	-1.34	0.182	-.5845411	.1107436
top of the news	.0710195	.105302	0.67	0.500	-.1354416	.2774807
world	.2148037	.1326108	1.62	0.105	-.0452007	.4748081
translations	-.0759837	.0424542	-1.79	0.074	-.159222	.0072545
rank						
pm	-.1969126	.0681275	-2.89	0.004	-.3304872	-.0633379
dpm	-.0216966	.0353364	-0.61	0.539	-.0909792	.0475861
minister	-.0370622	.0226017	-1.64	0.101	-.0813765	.007252
sms	-.0375094	.0543987	-0.69	0.491	-.1441666	.0691477
mos	.1365642	.0682656	2.00	0.046	.0027187	.2704097
mayor	.0018895	.0289406	0.07	0.948	-.0548532	.0586322
sps	-.3081847	.1125119	-2.74	0.006	-.5287821	-.0875872
parl sec	.2200406	.0854362	2.58	0.010	.0525294	.3875518
speaker	.2964783	.0516708	5.74	0.000	.1951694	.3977871
ncmp	-.0231538	.0283711	-0.82	0.414	-.0787798	.0324722
nmp	-.001098	.0185839	-0.06	0.953	-.0375347	.0353387
MFA	.4446402	.2047348	2.17	0.030	.0432253	.8460551
PMO	.0003333	.0831329	0.00	0.997	-.1626619	.1633284
MEWR	.4289063	.1788101	2.40	0.017	.078321	.7794917
MCI	-.0415791	.3465604	-0.12	0.905	-.7210654	.6379072
MTI	-.079869	.3349513	-0.24	0.812	-.7365938	.5768559
MHA	-.0843245	.1101629	-0.77	0.444	-.3003162	.1316673
MCCY	-.0790565	.0751105	-1.05	0.293	-.2263226	.0682096
MinLaw	.0581618	.2696031	0.22	0.829	-.4704377	.5867613
MOH	-.7741963	.1229528	-6.30	0.000	-1.015265	-.5331278
MOM	.3257221	.0927877	3.51	0.000	.1437971	.507647
MinDef	.0329722	.1158242	0.28	0.776	-.1941195	.2600639
MSF	-.4401939	.11218	-3.92	0.000	-.6601405	-.2202472

MOT	.5037707	.1765587	2.85	0.004	.1575996	.8499418
MND	-.1064423	.0602428	-1.77	0.077	-.2245578	.0116731
MOF	-.0413018	.0432146	-0.96	0.339	-.1260308	.0434272
MOE	.5098337	.1487212	3.43	0.001	.2182423	.8014252
speaker	.0800819	.045184	1.77	0.076	-.0085085	.1686723
rank#MFA						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	-.4416015	.2062243	-2.14	0.032	-.8459369	-.0372662
sms#1	-.4170585	.2066509	-2.02	0.044	-.8222303	-.0118867
mos#1	-.6224471	.2203616	-2.82	0.005	-1.054501	-.1903935
mayor#1	0	(omitted)				
sps#1	0	(empty)				
parl sec#1	0	(empty)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#PMO						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	.0348247	.085359	0.41	0.683	-.132535	.2021844
sms#1	-.0048119	.095649	-0.05	0.960	-.1923469	.1827231
mos#1	0	(omitted)				
mayor#1	0	(empty)				
sps#1	0	(empty)				
parl sec#1	0	(empty)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MEWR						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	-.3964074	.1808245	-2.19	0.028	-.7509423	-.0418724
sms#1	-.4552639	.1893967	-2.40	0.016	-.826606	-.0839218
mos#1	-.4943183	.1941512	-2.55	0.011	-.8749824	-.1136543
mayor#1	-.307521	.1901699	-1.62	0.106	-.680379	.0653371
sps#1	0	(omitted)				
parl sec#1	0	(empty)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MCI						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	.051975	.3466457	0.15	0.881	-.6276786	.7316287
sms#1	.1464433	.3514799	0.42	0.677	-.5426885	.8355751
mos#1	-.04219	.349575	-0.12	0.904	-.7275869	.6432069
mayor#1	0	(empty)				
sps#1	.4467622	.1701666	2.63	0.009	.1131238	.7804006
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MTI						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	.1159043	.3363613	0.34	0.730	-.5435851	.7753937
sms#1	.1351528	.3380087	0.40	0.689	-.5275666	.7978722
mos#1	.0067794	.3368068	0.02	0.984	-.6535835	.6671424
mayor#1	-.4520086	.3673215	-1.23	0.219	-1.1722	.2681832
sps#1	0	(omitted)				
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				

mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MHA						
pm#1	0	(empty)				
dpm#1	.0889976	.1158226	0.77	0.442	-.1380908	.3160861
minister#1	.1107813	.1134761	0.98	0.329	-.1117065	.3332691
sms#1	.0896085	.1181863	0.76	0.448	-.1421143	.3213314
mos#1	.0434283	.1405009	0.31	0.757	-.232046	.3189026
mayor#1	0	(empty)				
sps#1	.481237	.1166022	4.13	0.000	.2526199	.709854
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MCCY						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	.1224587	.0804778	1.52	0.128	-.0353306	.2802481
sms#1	.0323965	.1353997	0.24	0.811	-.2330761	.297869
mos#1	.1239917	.1254412	0.99	0.323	-.1219555	.3699389
mayor#1	-.335657	.2417469	-1.39	0.165	-.80964	.138326
sps#1	-.0081428	.2529182	-0.03	0.974	-.5040289	.4877433
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MinLaw						
pm#1	0	(empty)				
dpm#1	.0612163	.2794567	0.22	0.827	-.4867027	.6091353
minister#1	.0288917	.2706487	0.11	0.915	-.5017579	.5595413
sms#1	-.0058101	.272265	-0.02	0.983	-.5396287	.5280085
mos#1	0	(empty)				
mayor#1	0	(empty)				
sps#1	0	(omitted)				
parl sec#1	0	(empty)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MOH						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	.817727	.1336342	6.12	0.000	.5557161	1.079738
sms#1	.9035361	.1393207	6.49	0.000	.6303758	1.176696
mos#1	.6686122	.1441517	4.64	0.000	.3859801	.9512443
mayor#1	0	(empty)				
sps#1	.8064893	.1617465	4.99	0.000	.4893597	1.123619
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MOM						
pm#1	0	(empty)				
dpm#1	-.2781137	.1249221	-2.23	0.026	-.5230432	-.0331842
minister#1	-.313468	.0951438	-3.29	0.001	-.5000123	-.1269236
sms#1	-.347057	.1101298	-3.15	0.002	-.5629839	-.1311301
mos#1	-.3716582	.0987122	-3.77	0.000	-.565199	-.1781174
mayor#1	0	(empty)				
sps#1	0	(omitted)				
parl sec#1	0	(empty)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				

nmp#1	0	(empty)				
rank#MinDef						
pm#1	0	(empty)				
dpm#1	.0166011	.1261649	0.13	0.895	-.2307651	.2639672
minister#1	-.0212877	.1183011	-0.18	0.857	-.2532357	.2106602
sms#1	-.011974	.1272642	-0.09	0.925	-.2614956	.2375475
mos#1	-.1750113	.1336999	-1.31	0.191	-.4371512	.0871285
mayor#1	0	(omitted)				
sps#1	0	(omitted)				
parl sec#1	0	(empty)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MSF						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	.4102815	.1178823	3.48	0.001	.1791546	.6414084
sms#1	.2767852	.1444939	1.92	0.056	-.006518	.5600884
mos#1	.1880403	.1598415	1.18	0.240	-.1253541	.5014348
mayor#1	.9292171	.1895415	4.90	0.000	.557591	1.300843
sps#1	0	(empty)				
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MOT						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	-.4980297	.1779614	-2.80	0.005	-.8469512	-.1491082
sms#1	-.4562259	.1843766	-2.47	0.013	-.8177254	-.0947265
mos#1	-.557292	.1956012	-2.85	0.004	-.9407992	-.1737849
mayor#1	0	(omitted)				
sps#1	0	(omitted)				
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MND						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	.1841514	.0651844	2.83	0.005	.0563471	.3119557
sms#1	.1482628	.071281	2.08	0.038	.0085051	.2880205
mos#1	.0714802	.0848451	0.84	0.400	-.0948721	.2378324
mayor#1	0	(omitted)				
sps#1	.5890611	.1351619	4.36	0.000	.3240548	.8540674
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#MOF						
pm#1	.0233138	.1095607	0.21	0.832	-.1914973	.2381249
dpm#1	-.1437885	.0754938	-1.90	0.057	-.2918061	.004229
minister#1	-.0520617	.050843	-1.02	0.306	-.1517475	.0476241
sms#1	0	(omitted)				
mos#1	0	(omitted)				
mayor#1	0	(empty)				
sps#1	0	(empty)				
parl sec#1	0	(empty)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				

rank#MOE						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	-.4529116	.1511433	-3.00	0.003	-.7492519	-.1565714
sms#1	-.4965884	.1537475	-3.23	0.001	-.7980348	-.1951421
mos#1	-.528973	.1629389	-3.25	0.001	-.8484405	-.2095055
mayor#1	0	(omitted)				
sps#1	-.5881841	.1861538	-3.16	0.002	-.9531681	-.2232002
parl sec#1	0	(omitted)				
speaker#1	0	(empty)				
mp#1	0	(empty)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
rank#speaker						
pm#1	0	(empty)				
dpm#1	0	(empty)				
minister#1	0	(empty)				
sms#1	-.0185006	.0813429	-0.23	0.820	-.1779861	.140985
mos#1	0	(empty)				
mayor#1	0	(empty)				
sps#1	0	(empty)				
parl sec#1	0	(empty)				
speaker#1	-.3307305	.0761931	-4.34	0.000	-.4801192	-.1813419
mp#1	0	(omitted)				
ncmp#1	0	(empty)				
nmp#1	0	(empty)				
speech_92K_1	-.2902901	.1406524	-2.06	0.039	-.5660613	-.0145189
speech_92K_2	-.0863457	.0948855	-0.91	0.363	-.2723837	.0996924
speech_92K_3	-.1933586	.1011295	-1.91	0.056	-.391639	.0049218
speech_92K_4	-.09814	.120168	-0.82	0.414	-.3337483	.1374683
speech_92K_5	.0554446	.1706996	0.32	0.745	-.279239	.3901282
speech_92K_6	-.1187617	.1269842	-0.94	0.350	-.3677342	.1302109
speech_92K_7	-.0877174	.0876833	-1.00	0.317	-.2596344	.0841996
speech_92K_8	-.0542039	.1059307	-0.51	0.609	-.2618978	.1534899
speech_92K_9	-.1135767	.19893	-0.57	0.568	-.5036104	.2764569
speech_92K_10	-.0383073	.0907928	-0.42	0.673	-.2163208	.1397063
speech_92K_11	-.0244478	.0853336	-0.29	0.775	-.1917578	.1428621
speech_92K_12	.0225815	.2240563	0.10	0.920	-.4167162	.4618792
speech_92K_13	-.1737239	.1344665	-1.29	0.196	-.4373668	.089919
speech_92K_14	-.1612607	.0940859	-1.71	0.087	-.3457311	.0232096
speech_92K_15	-.1482056	.1638889	-0.90	0.366	-.4695357	.1731245
speech_92K_16	-.0896331	.1173502	-0.76	0.445	-.3197166	.1404505
speech_92K_17	-.1473685	.1210313	-1.22	0.223	-.3846695	.0899326
speech_92K_18	-.409302	.2572733	-1.59	0.112	-.9137269	.0951229
speech_92K_19	-.082082	.0878536	-0.93	0.350	-.2543328	.0901689
speech_92K_20	.0565565	.0896623	0.63	0.528	-.1192407	.2323536
speech_92K_21	-.0320885	.0844129	-0.38	0.704	-.1975933	.1334164
speech_92K_22	-.0217165	.116907	-0.19	0.853	-.2509312	.2074982
speech_92K_23	-.1135179	.0688789	-1.65	0.099	-.2485659	.02153
speech_92K_24	-.2013917	.081657	-2.47	0.014	-.3614931	-.0412903
speech_92K_25	-.234298	.1219356	-1.92	0.055	-.4733721	.004776
speech_92K_26	-.4447565	.2156419	-2.06	0.039	-.8675566	-.0219565
speech_92K_27	.0574322	.1586538	0.36	0.717	-.2536336	.368498
speech_92K_28	.018345	.1238339	0.15	0.882	-.2244509	.2611409
speech_92K_29	-.0804438	.1118917	-0.72	0.472	-.2998251	.1389375
speech_92K_30	-.1129445	.1284979	-0.88	0.379	-.3648848	.1389959
speech_92K_31	-.0715243	.080264	-0.89	0.373	-.2288946	.085846
speech_92K_32	.0760699	.1658292	0.46	0.646	-.2490644	.4012042
speech_92K_33	-.0075712	.0927155	-0.08	0.935	-.1893547	.1742122
speech_92K_34	-.0635063	.1026425	-0.62	0.536	-.2647531	.1377405
speech_92K_35	.0583437	.1102823	0.53	0.597	-.1578822	.2745696
speech_92K_36	.0548471	.0824136	0.67	0.506	-.1067377	.216432
speech_92K_37	-.0633256	.1354119	-0.47	0.640	-.328822	.2021707
speech_92K_38	-.0297823	.1845607	-0.16	0.872	-.3916428	.3320782
speech_92K_39	-.10305	.1214177	-0.85	0.396	-.3411086	.1350085
speech_92K_40	-.1103894	.1117	-0.99	0.323	-.3293948	.108616
speech_92K_41	-.2571768	.0930333	-2.76	0.006	-.4395832	-.0747705
speech_92K_42	-.1180224	.1476089	-0.80	0.424	-.4074329	.1713882
speech_92K_43	-.0713433	.1089644	-0.65	0.513	-.2849852	.1422985
speech_92K_44	-.1179066	.109989	-1.07	0.284	-.3335574	.0977443

speech_92K_45	-.0182222	.1885922	-0.10	0.923	-.387987	.3515426
speech_92K_46	-.2404718	.2397988	-1.00	0.316	-.7106352	.2296916
speech_92K_47	-.0235838	.1231993	-0.19	0.848	-.2651354	.2179678
speech_92K_48	.0938366	.107929	0.87	0.385	-.1177753	.3054485
speech_92K_49	.0375328	.1254651	0.30	0.765	-.2084615	.283527
speech_92K_50	-.44692	.189833	-2.35	0.019	-.8191175	-.0747225
speech_92K_51	-.078655	.0797366	-0.99	0.324	-.2349912	.0776812
speech_92K_52	.0905416	.0868406	1.04	0.297	-.0797231	.2608064
speech_92K_53	-.0603746	.1141815	-0.53	0.597	-.2842454	.1634963
speech_92K_54	.0986402	.1290335	0.76	0.445	-.1543504	.3516308
speech_92K_55	.0053451	.1083398	0.05	0.961	-.2070722	.2177623
speech_92K_56	-.3470695	.17285	-2.01	0.045	-.6859692	-.0081698
speech_92K_57	-.2657963	.1049211	-2.53	0.011	-.4715106	-.060082
speech_92K_58	-.1141414	.1198873	-0.95	0.341	-.3491994	.1209165
speech_92K_59	-.1732113	.0943136	-1.84	0.066	-.3581281	.0117055
speech_92K_60	-.1376973	.1028239	-1.34	0.181	-.3392998	.0639051
speech_92K_61	.005357	.1348985	0.04	0.968	-.2591328	.2698469
speech_92K_62	-.1846935	.1155673	-1.60	0.110	-.4112815	.0418945
speech_92K_63	.4394886	.2191378	2.01	0.045	.0098344	.8691428
speech_92K_64	-.1486925	.123758	-1.20	0.230	-.3913396	.0939545
speech_92K_65	-.0775441	.1287085	-0.60	0.547	-.3298974	.1748092
speech_92K_66	.0378896	.0949684	0.40	0.690	-.1483109	.2240901
speech_92K_67	-.1674363	.0890902	-1.88	0.060	-.3421117	.0072392
speech_92K_68	-.1110728	.2013601	-0.55	0.581	-.5058711	.2837255
speech_92K_69	-.1623084	.1157218	-1.40	0.161	-.3891992	.0645825
speech_92K_70	-.0919815	.1118641	-0.82	0.411	-.3113087	.1273458
speech_92K_71	-.3109091	.1738936	-1.79	0.074	-.6518549	.0300367
speech_92K_72	-.0782442	.1049924	-0.75	0.456	-.2840983	.1276099
speech_92K_73	-.0134297	.0897953	-0.15	0.881	-.1894876	.1626282
speech_92K_74	-.027448	.1332826	-0.21	0.837	-.2887695	.2338736
speech_92K_75	.0147775	.1921192	0.08	0.939	-.3619026	.3914575
speech_92K_76	.0514093	.0907456	0.57	0.571	-.1265119	.2293304
speech_92K_77	-.2556077	.1176857	-2.17	0.030	-.4863491	-.0248662
speech_92K_78	-.4752782	.3112596	-1.53	0.127	-1.085552	.1349954
speech_92K_79	.0114274	.1482228	0.08	0.939	-.2791869	.3020417
speech_92K_80	-.013889	.0787394	-0.18	0.860	-.16827	.140492
speech_92K_81	-.0437198	.1129766	-0.39	0.699	-.2652283	.1777886
speech_92K_82	-.2067075	.2141991	-0.97	0.335	-.6266787	.2132637
speech_92K_83	-.1148064	.1568365	-0.73	0.464	-.4223092	.1926964
speech_92K_84	-.0855309	.1660799	-0.51	0.607	-.4111566	.2400949
speech_92K_85	.1004487	.112187	0.90	0.371	-.1195116	.3204091
speech_92K_86	-.0949466	.1237278	-0.77	0.443	-.3375345	.1476414
speech_92K_87	-.1893593	.1362747	-1.39	0.165	-.4565474	.0778289
speech_92K_88	-.0147227	.0999667	-0.15	0.883	-.2107231	.1812777
speech_92K_89	-.0832184	.109655	-0.76	0.448	-.2982144	.1317776
speech_92K_90	.1393771	.1540403	0.90	0.366	-.1626432	.4413973
speech_92K_91	-.0437445	.1770737	-0.25	0.805	-.3909255	.3034365
speech_92K_92	0	(omitted)				
article_40K_1	-.0812844	.1691984	-0.48	0.631	-.4130245	.2504558
article_40K_2	-.0569735	.1908732	-0.30	0.765	-.4312105	.3172636
article_40K_3	-.2364273	.1960041	-1.21	0.228	-.6207243	.1478697
article_40K_4	-.0960391	.3355501	-0.29	0.775	-.7539381	.5618599
article_40K_5	-.111998	.2038203	-0.55	0.583	-.5116198	.2876238
article_40K_6	.0648493	.230004	0.28	0.778	-.3861099	.5158085
article_40K_7	-.2539442	.1753613	-1.45	0.148	-.5977678	.0898794
article_40K_8	-.0490029	.1980812	-0.25	0.805	-.4373723	.3393665
article_40K_9	-.1292403	.2308174	-0.56	0.576	-.5817942	.3233136
article_40K_10	-.2657365	.1777865	-1.49	0.135	-.614315	.082842
article_40K_11	-.2795884	.2109349	-1.33	0.185	-.6931596	.1339829
article_40K_12	-.1829697	.1751581	-1.04	0.296	-.5263948	.1604555
article_40K_13	-.2719022	.1839489	-1.48	0.139	-.632563	.0887586
article_40K_14	-.1520417	.1943824	-0.78	0.434	-.5331591	.2290758
article_40K_15	-.2299725	.1787908	-1.29	0.198	-.5805201	.1205752
article_40K_16	-.18145	.2127939	-0.85	0.394	-.5986661	.2357661
article_40K_17	-.1733357	.1731159	-1.00	0.317	-.5127567	.1660853
article_40K_18	-.2161647	.1796039	-1.20	0.229	-.5683066	.1359771
article_40K_19	-.3411253	.178919	-1.91	0.057	-.6919243	.0096737
article_40K_20	-.4882408	.2378868	-2.05	0.040	-.9546554	-.0218261
article_40K_21	-.2879771	.2280968	-1.26	0.207	-.7351968	.1592427
article_40K_22	-.4312132	.2545389	-1.69	0.090	-.9302769	.0678505
article_40K_23	-.1613709	.1778828	-0.91	0.364	-.5101382	.1873964
article_40K_24	-.2798572	.2314841	-1.21	0.227	-.7337184	.174004

article_40K_25	-.2230515	.228052	-0.98	0.328	-.6701835	.2240804
article_40K_26	-.3913528	.196483	-1.99	0.046	-.7765889	-.0061168
article_40K_27	-.2279278	.1929885	-1.18	0.238	-.6063122	.1504567
article_40K_28	-.3195291	.1972913	-1.62	0.105	-.7063498	.0672916
article_40K_29	-.1798415	.1730056	-1.04	0.299	-.5190464	.1593633
article_40K_30	-.0788199	.1901878	-0.41	0.679	-.4517131	.2940732
article_40K_31	-.2413847	.1898008	-1.27	0.204	-.6135191	.1307498
article_40K_32	-.0615557	.1788266	-0.34	0.731	-.4121734	.289062
article_40K_33	-.2626714	.1807148	-1.45	0.146	-.6169914	.0916486
article_40K_34	-.2440084	.1796955	-1.36	0.175	-.5963297	.108313
article_40K_35	-.423042	.1881265	-2.25	0.025	-.7918936	-.0541903
article_40K_36	-.0770182	.1701962	-0.45	0.651	-.4107148	.2566784
article_40K_37	-.2237754	.1814299	-1.23	0.218	-.5794973	.1319466
article_40K_38	-.4084311	.2381128	-1.72	0.086	-.8752888	.0584267
article_40K_39	-.287065	.1906867	-1.51	0.132	-.6609364	.0868065
article_40K_40	0	(omitted)				
quote_92K_1	.0801874	.0774019	1.04	0.300	-.0715712	.231946
quote_92K_2	-.0264544	.0490458	-0.54	0.590	-.1226163	.0697076
quote_92K_3	.0273549	.0460686	0.59	0.553	-.0629698	.1176796
quote_92K_4	.0500898	.0514246	0.97	0.330	-.0507362	.1509157
quote_92K_5	.0272821	.0691705	0.39	0.693	-.1083376	.1629019
quote_92K_6	-.0082764	.0630188	-0.13	0.896	-.1318347	.1152818
quote_92K_7	-.0361705	.0434024	-0.83	0.405	-.1212678	.0489268
quote_92K_8	.0013396	.0577477	0.02	0.981	-.111884	.1145631
quote_92K_9	.0588708	.075723	0.78	0.437	-.0895961	.2073377
quote_92K_10	-.0268652	.049238	-0.55	0.585	-.123404	.0696736
quote_92K_11	.0363394	.045417	0.80	0.424	-.0527078	.1253867
quote_92K_12	.1316909	.0665619	1.98	0.048	.0011858	.2621959
quote_92K_13	.0468106	.0613077	0.76	0.445	-.0733928	.1670139
quote_92K_14	-.0056007	.0441889	-0.13	0.899	-.0922401	.0810387
quote_92K_15	-.0217068	.0626194	-0.35	0.729	-.144482	.1010685
quote_92K_16	-.0242521	.0544977	-0.45	0.656	-.1311035	.0825993
quote_92K_17	.0263288	.0687244	0.38	0.702	-.1084162	.1610738
quote_92K_18	.0961016	.0727586	1.32	0.187	-.0465531	.2387562
quote_92K_19	.0144654	.0489404	0.30	0.768	-.0814901	.1104209
quote_92K_20	.0058558	.0548877	0.11	0.915	-.1017602	.1134717
quote_92K_21	-.004913	.0518544	-0.09	0.925	-.1065817	.0967557
quote_92K_22	.0642739	.0579713	1.11	0.268	-.0493879	.1779358
quote_92K_23	.0312787	.0403552	0.78	0.438	-.0478439	.1104014
quote_92K_24	.0251095	.0425367	0.59	0.555	-.0582904	.1085094
quote_92K_25	.0700112	.0648794	1.08	0.281	-.0571952	.1972176
quote_92K_26	.0320995	.0560193	0.57	0.567	-.0777353	.1419342
quote_92K_27	.0345409	.0679501	0.51	0.611	-.098686	.1677677
quote_92K_28	.0251319	.0621815	0.40	0.686	-.0967848	.1470486
quote_92K_29	.020344	.0478235	0.43	0.671	-.0734214	.1141095
quote_92K_30	-.0072354	.0841065	-0.09	0.931	-.1721396	.1576687
quote_92K_31	.0609653	.0461373	1.32	0.186	-.0294941	.1514248
quote_92K_32	.0254384	.0482995	0.53	0.598	-.0692604	.1201371
quote_92K_33	.016469	.0461583	0.36	0.721	-.0740317	.1069698
quote_92K_34	.0357485	.0569114	0.63	0.530	-.0758354	.1473323
quote_92K_35	.0309805	.052535	0.59	0.555	-.0720227	.1339837
quote_92K_36	.0322488	.0512424	0.63	0.529	-.06822	.1327176
quote_92K_37	.0214063	.0545448	0.39	0.695	-.0855373	.1283499
quote_92K_38	.0526361	.0651102	0.81	0.419	-.0750228	.180295
quote_92K_39	.0750105	.052457	1.43	0.153	-.0278397	.1778607
quote_92K_40	-.0276854	.0544936	-0.51	0.611	-.1345286	.0791578
quote_92K_41	-.0099454	.0464183	-0.21	0.830	-.1009557	.081065
quote_92K_42	-.0140549	.060601	-0.23	0.817	-.1328728	.1047629
quote_92K_43	-.0155865	.0488797	-0.32	0.750	-.1114228	.0802498
quote_92K_44	.0374299	.0510473	0.73	0.463	-.0626564	.1375162
quote_92K_45	.0045172	.0592149	0.08	0.939	-.111583	.1206175
quote_92K_46	-.0150926	.0820511	-0.18	0.854	-.1759668	.1457816
quote_92K_47	-.0082579	.0596468	-0.14	0.890	-.1252048	.108689
quote_92K_48	.1015412	.048415	2.10	0.036	.0066159	.1964664
quote_92K_49	-.0221217	.0682511	-0.32	0.746	-.1559387	.1116953
quote_92K_50	-.0331272	.0764277	-0.43	0.665	-.1829758	.1167215
quote_92K_51	.013259	.0435929	0.30	0.761	-.0722118	.0987299
quote_92K_52	-.012764	.0509243	-0.25	0.802	-.1126091	.0870811
quote_92K_53	.0058586	.0556317	0.11	0.916	-.1032162	.1149334
quote_92K_54	-.0081112	.0566859	-0.14	0.886	-.1192529	.1030305
quote_92K_55	-.0536637	.0476362	-1.13	0.260	-.1470621	.0397347
quote_92K_56	-.0141751	.0587306	-0.24	0.809	-.1293257	.1009754

quote_92K_57	.0198446	.0473572	0.42	0.675	-.0730067	.1126959
quote_92K_58	.0621278	.0716576	0.87	0.386	-.0783682	.2026238
quote_92K_59	-.0429454	.0483765	-0.89	0.375	-.1377952	.0519043
quote_92K_60	.0217656	.0491736	0.44	0.658	-.0746469	.1181782
quote_92K_61	.0164484	.052739	0.31	0.755	-.0869548	.1198515
quote_92K_62	.0103249	.0499528	0.21	0.836	-.0876154	.1082651
quote_92K_63	.0672283	.0806975	0.83	0.405	-.090992	.2254485
quote_92K_64	.0759531	.0649903	1.17	0.243	-.0514706	.2033768
quote_92K_65	.0127857	.0539121	0.24	0.813	-.0929175	.1184888
quote_92K_66	.0245813	.0458386	0.54	0.592	-.0652925	.1144551
quote_92K_67	.0009649	.0482444	0.02	0.984	-.0936259	.0955556
quote_92K_68	.1344805	.0594702	2.26	0.024	.0178798	.2510812
quote_92K_69	.0368862	.0555192	0.66	0.506	-.071968	.1457403
quote_92K_70	.0876546	.0537962	1.63	0.103	-.0178212	.1931305
quote_92K_71	-.0176463	.064849	-0.27	0.786	-.144793	.1095004
quote_92K_72	-.0066684	.0545415	-0.12	0.903	-.1136055	.1002687
quote_92K_73	-.0306568	.0544124	-0.56	0.573	-.1373409	.0760273
quote_92K_74	-.0412189	.0708924	-0.58	0.561	-.1802147	.0977769
quote_92K_75	-.0637437	.0728782	-0.87	0.382	-.2066329	.0791455
quote_92K_76	-.0181344	.0422708	-0.43	0.668	-.1010129	.0647441
quote_92K_77	.0169879	.0589872	0.29	0.773	-.0986658	.1326417
quote_92K_78	-.0924319	.074842	-1.24	0.217	-.2391715	.0543076
quote_92K_79	.0413297	.0593251	0.70	0.486	-.0749866	.1576459
quote_92K_80	.0656649	.0497771	1.32	0.187	-.0319309	.1632608
quote_92K_81	.0021085	.051077	0.04	0.967	-.0980361	.1022531
quote_92K_82	.0118444	.0627201	0.19	0.850	-.1111282	.1348171
quote_92K_83	-.0213476	.0612802	-0.35	0.728	-.141497	.0988018
quote_92K_84	.0683852	.0594857	1.15	0.250	-.0482459	.1850163
quote_92K_85	.0566345	.0488911	1.16	0.247	-.0392242	.1524933
quote_92K_86	-.0040735	.054038	-0.08	0.940	-.1100235	.1018764
quote_92K_87	.0246514	.0558649	0.44	0.659	-.0848806	.1341834
quote_92K_88	.0501347	.0455298	1.10	0.271	-.0391337	.139403
quote_92K_89	-.0625806	.0506585	-1.24	0.217	-.1619045	.0367433
quote_92K_90	-.0313217	.0649066	-0.48	0.629	-.1585813	.0959379
quote_92K_91	.0333542	.0705695	0.47	0.636	-.1050085	.1717169
quote_92K_92	0	(omitted)				
_cons	1.027627	.2626941	3.91	0.000	.512574	1.542681

(**est1** stored)

```
700         local nobs: display %9.0fc `e(N)'

701         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

702 eststo: qui reg dce_max_quote2speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K* i.authorID i.beat, vce(cluster article_id)
  (est2 stored)

703         local nobs: display %9.0fc `e(N)'

704         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   13,524}"

705 eststo: qui reg dce_max_quote2speech i.opposition `base'      speech_92K*  article_5
  > 0K* quote_92K*,          vce(cluster article_id)
  (est3 stored)
```

```
706         local nobs: display %9.0fc `e(N)'

707         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

708 eststo: qui reg dce_max_quote2speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K* if translations==0, vce(cluster article_id)
  (est4 stored)

709         local nobs: display %9.0fc `e(N)'

710         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,697}"

711 eststo: qui reg dce_max_quote2speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K*,           vce(cluster speech_id)
  (est5 stored)

712         local nobs: display %9.0fc `e(N)'

713         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

714 eststo: qui reg dce_max_quote2speech i.opposition `base' $min speech_92K*  article_4
  > 0K* quote_92K* i.authorID,vce(cluster authorID)
  (est6 stored)

715         local nobs: display %9.0fc `e(N)'

716         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

717 eststo: qui reg dce_max_quote2speech i.opposition `base' $min speech_50K*  article_4
  > 0K* quote_50K*,           vce(cluster article_id)
  (est7 stored)

718         local nobs: display %9.0fc `e(N)'

719         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

720 eststo: qui reg dce_max_quote2speech i.opposition `base' $min speech_100K* article_4
  > 0K* quote_100K*,          vce(cluster article_id)
  (est8 stored)

721         local nobs: display %9.0fc `e(N)'

722         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"
```

```
723 eststo: qui reg dce_max_quote2speech i.opposition `base' $min speech_92K*  article_3
  > 0K* quote_92K*,          vce(cluster article_id)
  (est9 stored)

724         local nobs: display %9.0fc `e(N)'

725         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

726 eststo: qui reg dce_max_quote2speech i.opposition `base' $min speech_92K*  article_5
  > 0K* quote_92K*,          vce(cluster article_id)
  (est10 stored)

727         local nobs: display %9.0fc `e(N)'

728         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

729 eststo: qui reg dce_max_quote2speech i.opposition `base' $min speech_92K*  article_4
  > 0K* sentence_92K*,       vce(cluster article_id)
  (est11 stored)

730         local nobs: display %9.0fc `e(N)'

731         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

732 eststo: qui reg dce_max_quote2speech i.opposition `base' $min speech_50K*  article_3
  > 0K* quote_50K*,       vce(cluster article_id)
  (est12 stored)

733         local nobs: display %9.0fc `e(N)'

734         estadd local nobs = "\multicolumn{1}{c}{`nobs'}"

  added macro:
                e(nobs) : "\multicolumn{1}{c}{   14,901}"

735
736
737 #delimit ;
  delimiter now ;
738 esttab, keep(1.opposition)
  >                 coeflabel(`my_coeflabel')
  >                 scalars("df_m df-model" "clustvar cluster-variable" "N_clust cluster
  > -N")
  >                 `esttab_options'
  >                 mtitles(`model_title')
  >                 title(Panel E)
  > ;

  Panel E
  ──────────────────────────────────────────────────────────────────────────────────────────
    ──────────────────────────────────────────────────────────────────────────────────────
    ──────────────────────────────────────────────────────────
                        (1)               (2)               (3)               (4)
  >         (5)               (6)               (7)               (8)               (9)
  >               (10)              (11)              (12)
                       Base         Author FE            $\sim             $\sim    Clu
  > ster speech    Cluster author       Speech K=50      Speech K=100      Article K=30
  >      Article K=50         SentenceK             est12
  ──────────────────────────────────────────────────────────────────────────────────────────
    ──────────────────────────────────────────────────────────────────────────────────────
    ──────────────────────────────────────────────────────────
  =1 if fr~1          -0.04*            -0.04**           -0.03**           -0.03*
  >       -0.04*            -0.04*            -0.03             -0.03             -0.04*
```

```
> *           -0.04**           -0.03*            -0.03*
                (0.02)            (0.02)            (0.01)            (0.02)
>      (0.02)            (0.02)            (0.02)            (0.02)            (0.02)
>            (0.02)            (0.02)            (0.02)
─────────────────────────────────────────────────────────────────────────────────────────
  ──────────────────────────────────────────────────────────────────────────────────────
  ──────────────────────────────────────────────────────
df-model          351.00            541.00            275.00            351.00
>      353.00            250.00            267.00            368.00            341.00
>           361.00            351.00            257.00
cluster-~e     article_id        article_id        article_id        article_id
>   speech_id          authorID        article_id        article_id        article_id
>        article_id        article_id        article_id
cluster-N        3,421.00          3,017.00          3,421.00          3,399.00
>    5,129.00            273.00          3,421.00          3,421.00          3,421.00
>          3,421.00          3,421.00          3,421.00
─────────────────────────────────────────────────────────────────────────────────────────
  ──────────────────────────────────────────────────────────────────────────────────────
  ──────────────────────────────────────────────────────
Standard errors in parentheses
* p<0.1, ** p<0.05, *** p<0.01

739 esttab using $TABSAVEDIR/sensitivity-panelF-semantic-accuracy-binarized-nearperfect.
  > tex,
  >         replace
  >         booktabs
  >         fragment
  >         keep(1.opposition)
  >         coeflabel($coeff_labels)
  >         `esttab_options'
  >         nomtitle
  >         nonumbers
  >         nolines
  >         nogaps
  >         noeqlines
  >         nodepvars
  >         scalars("nobs N")
  > ;
  (output written to ../results/tables/sensitivity-panelF-semantic-accuracy-binarized-ne
  > arperfect.tex)

740 esttab using $TABSAVEDIR/sensitivity-panelF-semantic-accuracy-nearperfect.md,
  >         replace
  >         se
  >         star (* 0.1 ** 0.05 *** 0.01)
  >         keep(1.opposition)
  >         coeflabel($coeff_labels)
  >     b(%9.2f)
  >     se(%9.2f)
  >     nonumbers
  >         style(mmd)
  >         mtitle(
  >             "(1) Baseline Regression"
  >             "(2) Journalist FE"
  >             "(3) No ministerial controls"
  >             "(4) No translations"
  >             "(5) Cluster by speech"
  >             "(6) Cluster by journalist"
  >             "(7) Speech K = 50"
  >             "(8) Speech K = 100"
  >             "(9) Article K = 30"
  >             "(10) Article K = 50"
  >             "(11) Sentence topics"
  >             "(12) Parsimonious topics"
  >         )
  > ;
  (output written to ../results/tables/sensitivity-panelF-semantic-accuracy-nearperfect.
  > md)
```

```
741 #delimit cr
  delimiter now cr
742
743 tictoc toc 1
  ------------------------------------------------------------------------------
  ----------- Time log -----------
  Start time:  2 Dec 2025 12:14:24
  End time:  2 Dec 2025 12:20:38
  Elapsed seconds:       373
  Elapsed minutes:         6
  Elapsed hours:        .1
  ------------------------------------------------------------------------------

744 beepme 3

745 log close
        name:  <unnamed>
         log:  \\wsl.localhost\Debian\home\lsys\neutrality\analysis\logs/tableD1.smcl
    log type:  smcl
   closed on:   2 Dec 2025, 12:20:41
  ------------------------------------------------------------------------------
```