



```

name: <unnamed>
log:  \\wsl.localhost\Debian\home\lsys\neutrality\analysis\logs\summ.smcl
log type: smcl
opened on:  2 Dec 2025, 12:56:29

```

```

1 .
2 . qui do init.do

3 .
4 . qui reg ssl_quote_to_speech i.opposition $length_s $base_controls $min,

5 . keep if e(sample)
   (2 observations deleted)

6 .
7 . *=====
8 . * Unique MPs (mp): 204
9 . *   - Opposition MPs:      16
10. *   - Non-partisan MPs:    44
11. *   - Ruling-party MPs:   144
12. count_unique mp
   (0 observations deleted)
   204

13. count_unique mp if opposition
   (13796 observations deleted)
   16

14. count_unique mp if non_partisan
   (14426 observations deleted)
   44

15. count_unique mp if ruling
   (1580 observations deleted)
   144

16.
17. *=====
18. * Total quotes: 14,901
19. *   - Opposition MPs:      1,105 quotes
20. *   - Non-partisan MPs:    475 quotes
21. *   - Ruling-party MPs:   13,321 quotes
22. count
   14901

23. count if opposition
   1105

24. count if non_partisan
   475

25. count if ruling
   13321

26.
27. *=====
28. * Unique articles (article_id): 3,421
29. *   - Articles with opposition quotes:      456
30. *   - Articles with non-partisan quotes:    261

```

31. * - Articles with ruling-party quotes: 3,354

32. count_unique article_id

(0 observations deleted)

3421

33. count_unique article_id if opposition

(13796 observations deleted)

456

34. count_unique article_id if non_partisan

(14426 observations deleted)

261

35. count_unique article_id if ruling

(1580 observations deleted)

3354

36.

37. *=====

38. * Quote length (words, variable: quote)

39. * - All quotes: mean 20.9, sd 38.5

40. * - Opposition quotes: mean 20.1, sd 18.2

41. * - Non-partisan quotes: mean 23.7, sd 19.3

42. * - Ruling-party quotes: mean 20.9, sd 40.2

43. su quote

Variable	Obs	Mean	Std. Dev.	Min	Max
quote	14901	20.94316	38.45591	1	4255

44. su quote if opposition

Variable	Obs	Mean	Std. Dev.	Min	Max
quote	1105	20.06516	18.22448	1	275

45. su quote if non_partisan

Variable	Obs	Mean	Std. Dev.	Min	Max
quote	475	23.68211	19.28725	1	116

46. su quote if ruling

Variable	Obs	Mean	Std. Dev.	Min	Max
quote	13321	20.91832	40.16441	1	4255

47.

48. *=====

49. * Article length (words)

50. * - All articles: mean 625.4, sd 263.4

51. * - Opposition articles: mean 696.9, sd 339.7

52. * - Non-partisan articles: mean 670.2, sd 272.0

53. * - Ruling-party articles: mean 617.9, sd 254.7

54. su article

Variable	Obs	Mean	Std. Dev.	Min	Max
article	14901	625.391	263.4284	115	3955

55. su article if opposition

Variable	Obs	Mean	Std. Dev.	Min	Max
article	1105	696.9158	339.6973	115	3579

56. su article if non_partisan

Variable	Obs	Mean	Std. Dev.	Min	Max
article	475	670.1642	271.9951	192	2338

57. su article if ruling

Variable	Obs	Mean	Std. Dev.	Min	Max
article	13321	617.8614	254.7088	115	3955

58.

59.

60. *=====

61. * Article length (words)

62. * - All speeches: mean 2,095.9, sd 1,808.8

63. * - Opposition speeches: mean 1,156.0, sd 901.0

64. * - Non-partisan: mean 1,808.6, sd 1,177.3

65. * - Ruling-party: mean 2,184.2, sd 1,859.9

66. su speech

Variable	Obs	Mean	Std. Dev.	Min	Max
speech	14901	2095.959	1808.833	4	6100

67. su speech if opposition

Variable	Obs	Mean	Std. Dev.	Min	Max
speech	1105	1156.037	900.9681	10	5099

68. su speech if non_partisan

Variable	Obs	Mean	Std. Dev.	Min	Max
speech	475	1808.577	1177.276	14	5142

69. su speech if ruling

Variable	Obs	Mean	Std. Dev.	Min	Max
speech	13321	2184.175	1859.937	4	6100

70.

71. *=====

72. * Speech length (words)

73. * - All speeches: mean 2,095.9, sd 1,808.8

74. * - Opposition: mean 1,156.0, sd 901.0

75. * - Non-partisan: mean 1,808.6, sd 1,177.3

76. * - Ruling party: mean 2,184.2, sd 1,859.9

77. su speech

Variable	Obs	Mean	Std. Dev.	Min	Max
speech	14901	2095.959	1808.833	4	6100

78. su speech if opposition

Variable	Obs	Mean	Std. Dev.	Min	Max
speech	1105	1156.037	900.9681	10	5099

79. su speech if non_partisan

Variable	Obs	Mean	Std. Dev.	Min	Max
speech	475	1808.577	1177.276	14	5142

80. su speech if ruling

Variable	Obs	Mean	Std. Dev.	Min	Max
speech	13321	2184.175	1859.937	4	6100

81.

82. *=====

83. * QUotes per article

84. *=====

85. * - All articles: mean 4.36, sd 3.11

86. * - Opposition articles: mean 6.34, sd 3.71

87. * - Non-partisan articles: mean 4.84, sd 3.15

88. * - Ruling-party articles: mean 4.22, sd 3.02

89. bysort article_id: gen quotes_per_article = _N

90. egen art_tag = tag(article_id)

91.

92. su quotes_per_article if art_tag

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~e	3421	4.355744	3.109881	1	29

93. su quotes_per_article if art_tag & opposition

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~e	174	6.028736	3.63577	1	19

94. su quotes_per_article if art_tag & non_partisan

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~e	94	4.755319	2.738362	1	12

95. su quotes_per_article if art_tag & ruling

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~e	3153	4.251507	3.06215	1	29

96.

97. drop quotes_per_article art_tag

98.

99. *=====

```

100 * QQuotes per MP
101 *=====
102 *   - All MPs:                mean 73.0, sd 130.8
103 *   - Opposition MPs:         mean 69.1, sd 92.1
104 *   - Non-partisan MPs:       mean 10.8, sd 9.1
105 *   - Ruling-party MPs:       mean 92.5, sd 147.6
106 bysort mp: gen quotes_per_mp = _N

```

```
107 egen mp_tag = tag(mp)
```

```
108
```

```
109 su quotes_per_mp if mp_tag
```

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~p	204	73.04412	130.7727	1	808

```
110 su quotes_per_mp if mp_tag & opposition
```

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~p	16	69.0625	92.10029	6	330

```
111 su quotes_per_mp if mp_tag & non_partisan
```

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~p	44	10.79545	9.090193	1	36

```
112 su quotes_per_mp if mp_tag & ruling
```

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~p	144	92.50694	147.6037	1	808

```
113
```

```
114 drop quotes_per_mp mp_tag
```

```
115
```

```

116 *=====
117 * QQuotes per Speech
118 *=====
119 *   - All speeches:           mean 2.91, sd 3.86
120 *   - Opposition speeches:    mean 2.41, sd 2.40
121 *   - Non-partisan:          mean 1.97, sd 1.51
122 *   - Ruling speeches:       mean 3.01, sd 4.06
123 bysort speech_id: gen quotes_per_speech = _N

```

```
124 egen sp_tag = tag(speech_id)
```

```
125
```

```
126 su quotes_per_speech if sp_tag
```

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~h	5129	2.905245	3.864413	1	78

```
127 su quotes_per_speech if sp_tag & opposition
```

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~h	460	2.408696	2.379636	1	23

128 su quotes_per_speech if sp_tag & non_partisan

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~h	239	2.033473	1.746223	1	15

129 su quotes_per_speech if sp_tag & ruling

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~h	4430	3.003837	4.057526	1	78

130

131 drop quotes_per_speech sp_tag

132

133 *=====

134 * QQuotes per year

135 *=====

136 * - All quotes: mean 1241.8, sd 402.3

137 * - Opposition: mean 92.1, sd 50.6

138 * - Non-partisan: mean 39.6, sd 14.7

139 * - Ruling party: mean 1110.1, sd 349.6

140 bysort year: gen quotes_per_year = _N

141 egen yr_tag = tag(year)

142

143 bysort year opposition: gen qpy_oppo = _N if opposition
(13796 missing values generated)

144 bysort year non_partisan: gen qpy_nonp = _N if non_partisan
(14426 missing values generated)

145 bysort year ruling: gen qpy_ruling = _N if ruling
(1580 missing values generated)

146

147 egen yr_tag_oppo = tag(year) if opposition

148 egen yr_tag_nonp = tag(year) if non_partisan

149 egen yr_tag_ruling = tag(year) if ruling

150

151 su quotes_per_year if yr_tag

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~r	12	1241.75	402.2797	782	2104

152 su qpy_oppo if yr_tag_oppo

Variable	Obs	Mean	Std. Dev.	Min	Max
qpy_oppo	12	92.08333	50.59727	26	160

153 su qpy_nonp if yr_tag_nonp

Variable	Obs	Mean	Std. Dev.	Min	Max
qpy_nonp	12	39.58333	14.66882	18	64

154 su qpy_ruling if yr_tag_ruling

Variable	Obs	Mean	Std. Dev.	Min	Max
qpy_ruling	12	1110.083	349.5513	701	1883

155

156

157 *=====

158 * QQuotes per parl

159 *=====

160 * - All MPs: mean 3,725.3, sd 2,205.8

161 * - Opposition: mean 276.3, sd 237.6

162 * - Non-partisan: mean 118.8, sd 67.9

163 * - Ruling: mean 3,330.3, sd 1,944.4

164 bysort parl: gen quotes_per_parl = _N

165 egen parl_tag = tag(parl)

166

167 * Opposition quotes per parliament

168 bysort parl: egen qpp_oppo = total(opposition)

169 egen parl_tag_oppo = tag(parl) if !missing(qpp_oppo)

170

171 * Non-partisan quotes per parliament

172 bysort parl: egen qpp_nonp = total(non_partisan)

173 egen parl_tag_nonp = tag(parl) if !missing(qpp_nonp)

174

175 * Ruling quotes per parliament

176 bysort parl: egen qpp_ruling = total(ruling)

177 egen parl_tag_ruling = tag(parl) if !missing(qpp_ruling)

178

179 * Summaries

180 su quotes_per_parl if parl_tag

Variable	Obs	Mean	Std. Dev.	Min	Max
quotes_per~l	4	3725.25	2205.813	1641	6194

181 su qpp_oppo if parl_tag_oppo

Variable	Obs	Mean	Std. Dev.	Min	Max
qpp_oppo	4	276.25	237.5547	112	628

182 su qpp_nonp if parl_tag_nonp

Variable	Obs	Mean	Std. Dev.	Min	Max
qpp_nonp	4	118.75	67.85954	60	188

183 su qpp_ruling if parl_tag_ruling

Variable	Obs	Mean	Std. Dev.	Min	Max
qpp_ruling	4	3330.25	1944.355	1469	5378

```

184
185 *=====
186 * Acc.
187 *=====
188 *   - All quotes:      mean 91.5, sd 12.8
189 *   - Opposition:     mean 90.9, sd 12.7
190 *   - Non-partisan:   mean 91.7, sd 11.5
191 *   - Ruling:         mean 91.6, sd 12.9
192 su ssl_quote_to_speech

```

Variable	Obs	Mean	Std. Dev.	Min	Max
ssl_quote~ch	14901	91.53473	12.82502	45	100

```
193 su ssl_quote_to_speech if opposition
```

Variable	Obs	Mean	Std. Dev.	Min	Max
ssl_quote~ch	1105	90.86878	12.69393	46	100

```
194 su ssl_quote_to_speech if non_partisan
```

Variable	Obs	Mean	Std. Dev.	Min	Max
ssl_quote~ch	475	91.67368	11.4568	48	100

```
195 su ssl_quote_to_speech if ruling
```

Variable	Obs	Mean	Std. Dev.	Min	Max
ssl_quote~ch	13321	91.58502	12.8812	45	100

```

196
197 *   - All quotes:      mean 96.7, sd 10.2
198 *   - Opposition:     mean 95.3, sd 13.2
199 *   - Non-partisan:   mean 97.5, sd 7.3
200 *   - Ruling:         mean 96.7, sd 10.0
201 su ss2_quote_to_speech

```

Variable	Obs	Mean	Std. Dev.	Min	Max
ss2_quote~ch	14901	96.66177	10.22995	0	100

```
202 su ss2_quote_to_speech if opposition
```

Variable	Obs	Mean	Std. Dev.	Min	Max
ss2_quote~ch	1105	95.31855	13.18953	0	100

```
203 su ss2_quote_to_speech if non_partisan
```

Variable	Obs	Mean	Std. Dev.	Min	Max
ss2_quote~ch	475	97.50105	7.289486	29	100

```
204 su ss2_quote_to_speech if ruling
```

Variable	Obs	Mean	Std. Dev.	Min	Max
ss2_quote~ch	13321	96.74326	10.02869	0	100


```

205
206 *   - All quotes:      mean 89.9, sd 26.8
207 *   - Opposition:     mean 89.3, sd 26.7
208 *   - Non-partisan:   mean 93.8, sd 20.1
209 *   - Ruling:         mean 89.8, sd 27.1
210 su ce_max_quote2speech

```

Variable	Obs	Mean	Std. Dev.	Min	Max
ce_max_quo~h	14901	89.93332	26.84338	.001209	99.99845

```
211 su ce_max_quote2speech if opposition
```

Variable	Obs	Mean	Std. Dev.	Min	Max
ce_max_quo~h	1105	89.32841	26.71708	.0013391	99.99763

```
212 su ce_max_quote2speech if non_partisan
```

Variable	Obs	Mean	Std. Dev.	Min	Max
ce_max_quo~h	475	93.83273	20.06376	.0012998	99.99446

```
213 su ce_max_quote2speech if ruling
```

Variable	Obs	Mean	Std. Dev.	Min	Max
ce_max_quo~h	13321	89.84445	27.05498	.001209	99.99845

```

214
215
216 *=====
217 * 'Perfect' quotes
218 *=====
219 * Perfect match indicators (1 = perfect, 0 = not perfect)
220 gen ssl_perfect = ssl_quote_to_speech == 100 if !missing(ssl_quote_to_speech)
221 label var ssl_perfect "Substring-1: perfect (=100)"
222
223 gen ss2_perfect = ss2_quote_to_speech == 100 if !missing(ss2_quote_to_speech)
224 label var ss2_perfect "Substring-2: perfect (=100)"
225
226 * For CE, this will probably all be 0 because max < 100, but for completeness:
227 gen ce_perfect = ce_max_quote2speech >= 99 if !missing(ce_max_quote2speech)
228 label var ce_perfect "CE max: perfect (=100)"

```

```

229
230 * Substring
231 *   - All quotes:      42.2%
232 *   - Opposition:     38.8%
233 *   - Non-partisan:   35.8%
234 *   - Ruling:         42.7%
235 su ssl_perfect

```

Variable	Obs	Mean	Std. Dev.	Min	Max
ssl_perfect	14901	.4217838	.4938609	0	1

236 su ssl_perfect if opposition

Variable	Obs	Mean	Std. Dev.	Min	Max
ssl_perfect	1105	.3882353	.4875693	0	1

237 su ssl_perfect if non_partisan

Variable	Obs	Mean	Std. Dev.	Min	Max
ssl_perfect	475	.3578947	.4798864	0	1

238 su ssl_perfect if ruling

Variable	Obs	Mean	Std. Dev.	Min	Max
ssl_perfect	13321	.4268448	.4946379	0	1

239

240 * Bow

241 * - All quotes: 70.6%

242 * - Opposition: 63.0%

243 * - Non-partisan: 70.1%

244 * - Ruling: 71.3%

245 su ss2_perfect

Variable	Obs	Mean	Std. Dev.	Min	Max
ss2_perfect	14901	.7064627	.4553977	0	1

246 su ss2_perfect if opposition

Variable	Obs	Mean	Std. Dev.	Min	Max
ss2_perfect	1105	.6298643	.4830595	0	1

247 su ss2_perfect if non_partisan

Variable	Obs	Mean	Std. Dev.	Min	Max
ss2_perfect	475	.7010526	.4582794	0	1

248 su ss2_perfect if ruling

Variable	Obs	Mean	Std. Dev.	Min	Max
ss2_perfect	13321	.7130095	.4523741	0	1

249

250 * Semantic

251 * - All quotes: 77.0%

252 * - Opposition: 74.0%

253 * - Non-partisan: 78.1%

254 * - Ruling: 77.2%

255 su ce_perfect

Variable	Obs	Mean	Std. Dev.	Min	Max
ce_perfect	14901	.7696799	.4210518	0	1

256 su ce_perfect if opposition

Variable	Obs	Mean	Std. Dev.	Min	Max
ce_perfect	1105	.7402715	.4386841	0	1

257 su ce_perfect if non_partisan

Variable	Obs	Mean	Std. Dev.	Min	Max
ce_perfect	475	.7810526	.4139688	0	1

258 su ce_perfect if ruling

Variable	Obs	Mean	Std. Dev.	Min	Max
ce_perfect	13321	.7717138	.4197438	0	1

259

260 *=====

261 * Age

262 *=====

263

264 * Per-MP age (in case age is stored at quote level)

265 bysort mp: egen age_mp = mean(age)

266

267 * Tag unique MPs

268 egen mp_tag = tag(mp)

269

270 * Overall and by party

271 su age_mp if mp_tag

Variable	Obs	Mean	Std. Dev.	Min	Max
age_mp	204	49.11675	8.311532	29.2372	76.9319

272 su age_mp if mp_tag & opposition

Variable	Obs	Mean	Std. Dev.	Min	Max
age_mp	16	46.45687	10.61591	35.45626	70.89134

273 su age_mp if mp_tag & non_partisan

Variable	Obs	Mean	Std. Dev.	Min	Max
age_mp	44	47.99285	8.721769	29.2372	63.75

274 su age_mp if mp_tag & ruling

Variable	Obs	Mean	Std. Dev.	Min	Max
age_mp	144	49.75571	7.860029	30.65339	76.9319

275

276 *=====

277 * Tenure

278 *=====

```

279
280 * Per-MP tenure (if stored at quote level)
281 bysort mp: egen tenure_mp = mean(tenure)

```

```

282
283 su tenure_mp if mp_tag

```

Variable	Obs	Mean	Std. Dev.	Min	Max
tenure_mp	204	7.465426	8.005543	-.0383562	45.52368

```

284 su tenure_mp if mp_tag & opposition

```

Variable	Obs	Mean	Std. Dev.	Min	Max
tenure_mp	16	4.584745	6.610105	.218929	21.80367

```

285 su tenure_mp if mp_tag & non_partisan

```

Variable	Obs	Mean	Std. Dev.	Min	Max
tenure_mp	44	1.033389	.6683909	-.0383562	3.551541

```

286 su tenure_mp if mp_tag & ruling

```

Variable	Obs	Mean	Std. Dev.	Min	Max
tenure_mp	144	9.750846	8.206327	.2109589	45.52368

```

287
288 *=====
289 * Gender of MPs (share female)
290 *=====
291 bysort mp (gender): gen gender_mp = gender if _n == 1
    (14697 missing values generated)

```

```

292
293 *   - All MPs:          47 / 204 (23.0% female)
294 *   - Opposition MPs:   3 / 16  (18.8% female)
295 *   - Non-partisan MPs: 18 / 44  (40.9% female)
296 *   - Ruling-party MPs: 26 / 144 (18.1% female)
297 tab gender_mp if mp_tag

```

gender_mp	Freq.	Percent	Cum.
0	157	76.96	76.96
1	47	23.04	100.00
Total	204	100.00	

```

298 tab gender_mp if mp_tag & opposition

```

gender_mp	Freq.	Percent	Cum.
0	13	81.25	81.25
1	3	18.75	100.00
Total	16	100.00	

```

299 tab gender_mp if mp_tag & non_partisan

```

gender_mp	Freq.	Percent	Cum.
0	26	59.09	59.09
1	18	40.91	100.00
Total	44	100.00	

300 tab gender_mp if mp_tag & ruling

gender_mp	Freq.	Percent	Cum.
0	118	81.94	81.94
1	26	18.06	100.00
Total	144	100.00	

301

302 *=====

303 * Gender of qutes

304 *=====

305 * - All quotes: 83.5% male, 16.5% female

306 * - Opposition: 72.0% male, 28.0% female

307 * - Non-partisan: 59.6% male, 40.4% female

308 * - Ruling-party: 85.3% male, 14.7% female

309 tab gender

Gender of politician	Freq.	Percent	Cum.
male	12,441	83.49	83.49
female	2,460	16.51	100.00
Total	14,901	100.00	

310 tab gender if opposition

Gender of politician	Freq.	Percent	Cum.
male	795	71.95	71.95
female	310	28.05	100.00
Total	1,105	100.00	

311 tab gender if non_partisan

Gender of politician	Freq.	Percent	Cum.
male	283	59.58	59.58
female	192	40.42	100.00
Total	475	100.00	

312 tab gender if ruling

Gender of politician	Freq.	Percent	Cum.
male	11,363	85.30	85.30
female	1,958	14.70	100.00
Total	13,321	100.00	

313

314

315 su ss1_quote_to_speech ss2_quote_to_speech ce_max_quote2speech

Variable	Obs	Mean	Std. Dev.	Min	Max
ss1_quote~ch	14901	91.53473	12.82502	45	100
ss2_quote~ch	14901	96.66177	10.22995	0	100
ce_max_quo~h	14901	89.93332	26.84338	.001209	99.99845

```
316
317
318 log close
      name: <unnamed>
      log:  \\wsl.localhost\Debian\home\lsys\neutrality\analysis\logs\summ.smcl
      log type: smcl
closed on:  2 Dec 2025, 12:56:37
```
