| | Speech length | No. speeches | Topic diversity | Speech length (committees) | No. speeches (committees) |
|---|---|---|---|---|---|
| (Intercept) | 3050.52*** | 1.96*** | 2.32*** | 374.80*** | 3.38*** |
| | (387.47) | (0.20) | (0.19) | (28.93) | (0.29) |
| mutohyo | 428.63*** | 0.19** | 0.09 | 0.46 | -0.04 |
| | (132.59) | (0.07) | (0.07) | (9.90) | (0.10) |
| reelect | -62.46** | -0.17*** | -0.11*** | 3.96* | -0.02 |
| | (29.79) | (0.02) | (0.01) | (2.22) | (0.02) |
| totseat | -8.43 | 0.03*** | 0.01 | 2.04* | 0.03*** |
| | (16.34) | (0.01) | (0.01) | (1.22) | (0.01) |
| secretaryTRUE | 124.77 | -0.11 | -0.02 | 0.39 | 0.05 |
| | (145.77) | (0.08) | (0.07) | (10.88) | (0.11) |
| city_assemblyTRUE | -57.08 | 0.13** | 0.15*** | 2.77 | 0.27*** |
| | (112.06) | (0.06) | (0.05) | (8.37) | (0.08) |
| gov_rulingTRUE | 144.31 | 0.07 | 0.15** | -4.16 | 0.31*** |
| | (149.08) | (0.08) | (0.07) | (11.13) | (0.11) |
| party�� | -777.72 | -1.02** | -0.80* | -119.00* | -0.21 |
| | (828.23) | (0.49) | (0.43) | (61.84) | (0.62) |
| party�� | -866.12*** | 1.13*** | 0.21˙ | -16.42 | 1.83*** |
| | (282.92) | (0.15) | (0.14) | (21.12) | (0.21) |
| party�� | 693.95*** | 0.31*** | 0.24** | -9.97 | 0.48*** |
| | (203.72) | (0.11) | (0.10) | (15.21) | (0.15) |
| party�� | 180.27 | 1.51*** | 0.64*** | 24.91 | 1.78*** |
| | (452.36) | (0.22) | (0.21) | (33.77) | (0.33) |
| party�� | 1293.62*** | 0.81*** | 0.63*** | 23.83 | 1.12*** |
| | (369.43) | (0.20) | (0.18) | (27.58) | (0.27) |
| party�� | -75.25 | 0.26*** | -0.00 | -23.54** | 0.27** |
| | (157.55) | (0.09) | (0.08) | (11.76) | (0.12) |
| party�� | -92.46 | 0.43*** | 0.15** | -8.10 | 0.47*** |
| | (144.51) | (0.08) | (0.07) | (10.79) | (0.11) |
| age | -6.93 | -0.01** | -0.00* | -1.02** | -0.01 |
| | (5.95) | (0.00) | (0.00) | (0.44) | (0.00) |
| factor(pref_id)8 | 2225.38*** | -0.46*** | -0.14 | -43.14** | 1.00*** |
| | (269.15) | (0.14) | (0.13) | (20.10) | (0.20) |
| factor(pref_id)12 | -358.72˙ | 0.07 | -0.11 | -94.90*** | -0.01 |
| | (221.12) | (0.11) | (0.10) | (16.51) | (0.16) |
| factor(pref_id)16 | 193.89 | -0.31** | -0.16 | -0.43 | 0.48** |
| | (264.91) | (0.14) | (0.12) | (19.78) | (0.20) |
| factor(pref_id)18 | 2038.84*** | 0.53*** | 0.24* | -88.32*** | 1.92*** |
| | (272.12) | (0.14) | (0.13) | (20.32) | (0.20) |
| factor(pref_id)23 | -2127.82*** | -2.67*** | -2.23*** | -292.56*** | -2.76*** |
| | (221.40) | (0.13) | (0.12) | (16.53) | (0.17) |
| factor(pref_id)26 | 602.13** | 0.36*** | 0.20* | 26.79 | 1.02*** |
| | (250.31) | (0.13) | (0.12) | (18.69) | (0.18) |
| factor(pref_id)32 | 195.24 | 1.87*** | 0.68*** | -136.91*** | 1.96*** |
| | (267.15) | (0.13) | (0.12) | (19.95) | (0.20) |
| factor(pref_id)34 | 1746.49*** | 0.45*** | 0.14 | 30.02* | 0.55*** |
| | (238.65) | (0.12) | (0.11) | (17.82) | (0.18) |
| factor(pref_id)40 | -232.60 | -0.04 | -0.13 | -113.92*** | 0.80*** |
| | (233.58) | (0.12) | (0.11) | (17.44) | (0.17) |
| factor(pref_id)46 | 32.35 | 1.04*** | 0.42*** | -92.59*** | 1.56*** |
| | (247.51) | (0.12) | (0.12) | (18.48) | (0.18) |
| factor(period)2 | -130.47 | 0.16** | 0.04 | -11.03 | 0.32*** |
| | (135.14) | (0.07) | (0.07) | (10.09) | (0.10) |
| factor(period)3 | -481.78*** | 0.50*** | 0.18*** | -22.17** | 0.47*** |
| | (134.23) | (0.07) | (0.06) | (10.02) | (0.10) |
| factor(period)4 | -407.19*** | 0.56*** | 0.21*** | -22.69** | 0.46*** |
| | (142.75) | (0.08) | (0.07) | (10.66) | (0.11) |
| $R^2$ | 0.23 | | | 0.25 | |
| Adj. $R^2$ | 0.22 | | | 0.24 | |
| Num. obs. | 2682 | 2682 | 2682 | 2682 | 2682 |
| AIC | | 15522.44 | 16176.07 | | 26476.46 |
| BIC | | 15693.37 | 16347.00 | | 26647.39 |
| Log Likelihood | | -7732.22 | -8059.03 | | -13209.23 |
| Deviance | | 2974.43 | 3216.63 | | 2996.86 |

***p < 0.01; **p < 0.05; *p < 0.1; ˙p < 0.15. Regression models 1 and 4 were estimated using OLS regression. Models 2,3 and 5 were estimated using a negative binomial distribution. All models use clustered standard errors by time period and prefecture. Clustered standard errors are in parenthesis. The unit of analysis is a legislators total activity during a 4-year electoral period (for example 2003 - 2007). Time period was 2003 - 2019 with a total 4 distinct electoral periods included. N = 2682 in all models

Table 2: Regular regression models for effect on quantitative measurements