Regression analysis (OLS) – relationship between parties in government and ministries only after elections, 2017 to 2022

Source	SS	df	MS	Number of obs	=	60
				F(1, 58)	=	228.53
Model	1020.84944	1	1020.84944	Prob > F	=	0.0000
Residual	259.083892	58	4.46696365	R-squared	=	0.7976
				Adj R-squared	=	0.7941
Total	1279.93333	59	21.6937853	Root MSE	=	2.1135

minister	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
partysize	.4177019	.0276307	15.12	0.000	.362393	.4730107
_cons	-.9945394	.3782984	-2.63	0.011	-1.751786	-.2372929

Regression analysis (OLS) – relationship between parties in government with 25 MPs or less and ministries only after elections, 2017 to 2022

Source	SS	df	MS	Number of obs	=	54
				F(1, 52)	=	7.61
Model	11.6612928	1	11.6612928	Prob > F	=	0.0080
Residual	79.6720405	52	1.53215463	R-squared	=	0.1277
				Adj R-squared	=	0.1109
Total	91.3333333	53	1.72327044	Root MSE	=	1.2378

minister	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
partysize	.0967296	.0350621	2.76	0.008	.0263724	.1670868
_cons	.9124827	.2875896	3.17	0.003	.3353919	1.489574

Regression analysis – relationship between parties in government and ministries both after and between elections, 2017 to 2022

Logistic regression — Number of obs = 438; Wald chi2(1) = 5.25; Prob > chi2 = 0.0220

Log pseudolikelihood = -293.17824 — Pseudo R2 = 0.0091

(Std. Err. adjusted for 17 clusters in party)

minister	Coef.	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
partysize	.0148176	.0064686	2.29	0.022	.0021393	.0274958
_cons	-.6969807	.2328197	-2.99	0.003	-1.153299	-.2406625

Regression analysis – relationship between parties in government and ministries only after elections, 2017 to 2022

Logistic regression — Number of obs = 170; Wald chi2(1) = 13.52; Prob > chi2 = 0.0002

Log pseudolikelihood = -105.82062 — Pseudo R2 = 0.0512

(Std. Err. adjusted for 14 clusters in party)

minister	Coef.	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
partysize	.0300012	.0081589	3.68	0.000	.0140101	.0459922
_cons	-1.383972	.3514928	-3.94	0.000	-2.072886	-.6950592

Regression analysis – relationship between parties in government and ministries within the parliament cycle (excluding government formation after elections), 2017 to 2022

```
Logistic regression                             Number of obs     =        268
                                                Wald chi2(1)      =       0.18
                                                Prob > chi2       =     0.6692
Log pseudolikelihood = -183.26847               Pseudo R2         =     0.0004

                                (Std. Err. adjusted for 13 clusters in party)
------------------------------------------------------------------------------
             |               Robust
    minister |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   partysize |   .0039152   .0091645     0.43   0.669    -.0140469    .0218773
       _cons |  -.3407152   .2786283    -1.22   0.221    -.8868167    .2053863
------------------------------------------------------------------------------
```

Regression analysis – relationship between parties in government having 25 MPs and less, and ministries both after and between elections, 2017 to 2022

```
Logistic regression                             Number of obs     =        283
                                                Wald chi2(1)      =       1.63
                                                Prob > chi2       =     0.2015
Log pseudolikelihood = -177.29526               Pseudo R2         =     0.0066

                                (Std. Err. adjusted for 30 clusters in party)
------------------------------------------------------------------------------
             |               Robust
    minister |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   partysize |   .0412649   .0323058     1.28   0.201    -.0220533    .1045831
       _cons |  -1.019425   .3421511    -2.98   0.003    -1.690029   -.3488217
------------------------------------------------------------------------------
```

Predicted probabilities of parties in government being awarded a ministry according to size, 2017 to 2022