

name: <unnamed>

log: C:\Users\k19056473\Downloads\elections.smcl

log type: smcl

8 Jan 2020, 11:01:38 opened on:

1 . use "C:\Users\k19056473\Downloads\election8.dta"

2.

3 . 4 . *C)

- 5 . gen dummyd=1 if difshare>=0 (3,549 missing values generated)
- 6 . replace dummyd=0 if difshare<0</pre> (3,549 real changes made)
- 7 . tab dummyd

dummyd	Freq.	Percent	Cum.
0	3,549 4,251	45.50 54.50	45.50 100.00
Total	7,800	100.00	

- 8 . sort difshare
- 9 . gen difshareP = difshare if dummyd==1 (3,549 missing values generated)
- 10. gen difshare2P = difshare^2 if dummyd==1 (3,549 missing values generated)
- 11. gen difshare3P = difshare^3 if dummyd==1 (3,549 missing values generated)
- 12. gen difshare4P = difshare^4 if dummyd==1 (3,549 missing values generated)
- 13. reg mmyoutcomenext difshareP difshare2P difshare3P difshare4P, robust

Linear regression Number of obs 4,251 890.55 = F(4, 4246) Prob > F 0.0000 0.3986 R-squared = Root MSE .07559

mmyoutcome~t	Coef.	Robust Std. Err.	t	P> t	[95% Conf.	Interval]
difshareP	1.968099	.0681955	28.86	0.000	1.8344	2.101798
difshare2P	-5.610887	.3245355	-17.29	0.000	-6.247146	-4.974628
difshare3P	6.588802	.5593796	11.78	0.000	5.492125	7.685478
difshare4P	-2.744338	.3032284	-9.05	0.000	-3.338824	-2.149852
_cons	.5946255	.0042308	140.55	0.000	.586331	.60292

14. predict allfitqiP if dummyd==1 (option xb assumed; fitted values) (3,549 missing values generated)

15. predict stderror1, stdp
 (3,549 missing values generated)

16

- 17. gen difshareN = difshare if dummyd==0
 (4,251 missing values generated)
- 18. gen difshare2N = difshare^2 if dummyd==0
 (4,251 missing values generated)
- 19. gen difshare3N = difshare^3 if dummyd==0
 (4,251 missing values generated)
- 20. gen difshare4N = difshare^4 if dummyd==0
 (4,251 missing values generated)
- 21. reg mmyoutcomenext difshareN difshare2N difshare3N difshare4N, robust

mmyoutcome~t	Coef.	Robust Std. Err.	t	P> t	[95% Conf.	Interval]
difshareN	1.387509	.0460275	30.15	0.000	1.297266	1.477752
difshare2N	4.792761	.213724	22.42	0.000	4.373726	5.211795
difshare3N	6.774068	.3822483	17.72	0.000	6.024619	7.523517
difshare4N	3.2694	.2291653	14.27	0.000	2.820091	3.71871
_cons	.141717	.0031289	45.29	0.000	.1355825	.1478516

- 22. predict allfitqiN if dummyd==0
 (option xb assumed; fitted values)
 (4,251 missing values generated)
- 23. predict stderror2, stdp
 (4,251 missing values generated)

24.

25. summ allfitqiP stderror1 allfitqiN stderror2

Variable	Obs	Mean	Std. Dev.	Min	Max
allfitqiP stderror1 allfitqiN stderror2	4,251 4,251 3,549 3,549	.7936001 .0025319 .0248753	.0615153 .0017157 .035822 .0008372	.5951261 .0014273 0302803 .0003151	.8374658 .008727 .1412899 .023853

> '

29. *D)

30. reg mrunagain difshareP difshare2P difshare3P difshare4P, robust

Number of obs Linear regression F(4, 4246) =

11.42 Prob > F 0.0000 0.0149 R-squared = Root MSE .06403

4,251

mrunagain	Coef.	Robust Std. Err.	t	P> t	[95% Conf.	Interval]
difshareP difshare2P difshare3P difshare4P _cons	.0035973 .3848779 9797261 .585648 .8656249	.0583081 .2848961 .4973172 .270745	0.06 1.35 -1.97 2.16 253.84	0.951 0.177 0.049 0.031 0.000	1107171 1736674 -1.954728 .0548463 .8589392	.1179117 .9434232 0047244 1.11645 .8723106

31. predict Fitlin2

(option xb assumed; fitted values) (3,549 missing values generated)

33. reg mrunagain difshareN difshare2N difshare3N difshare4N, robust

3,549 Linear regression Number of obs =

F(4, 3544) 1604.93 Prob > F = 0.0000 0.5808 R-squared = Root MSE = .06699

mrunagain	Coef.	Robust Std. Err.	t	P> t	[95% Conf.	Interval]
difshareN	2.77124	.11761	23.56	0.000	2.54065	3.00183
difshare2N	9.170333	.7339798	12.49	0.000	7.731268	10.6094
difshare3N	12.77864	1.625612	7.86	0.000	9.59141	15.96587
difshare4N	6.202893	1.165776	5.32	0.000	3.917233	8.488552
_cons	.4312079	.0049812	86.57	0.000	.4214417	.4409742

34. predict LinFit2

(option xb assumed; fitted values) (4,251 missing values generated)

- 35. twoway (scatter mrunagain difshare if difshare >=-.25 & difshare <=.25, xline(0, ls > tyle(foreground))) (line LinFit2 difshare if difshare <= 0 & difshare >=-.25 & difsh > are <=.25, lcolor(red black)) ///

(line Fitlin2 difshare if difshare >= 0 &

> difshare >=-.25 & difshare <=.25, lcolor(red black))</pre>

36. *E)

37.

38. req mofficeexp difshareP difshare2P difshare3P difshare4P, robust

Linear regression Number of obs 4,251 F(4, 4246) Prob > F = 4457.88 = 0.0000 R-squared = 0.6600 = Root MSE .7396

mofficeexp	Coef.	Robust Std. Err.	t	P> t	[95% Conf.	Interval]
difshareP	16.14351	.6344562	25.44	0.000	14.89964	17.38737
difshare2P	-17.9769	3.289203	-5.47	0.000	-24.42545	-11.52834
difshare3P	-3.788628	5.794954	-0.65	0.513	-15.14977	7.572512
difshare4P	8.00229	3.133405	2.55	0.011	1.859178	14.1454
cons	1.181515	.0306238	38.58	0.000	1.121477	1.241554

39. predict Fitlin3

(option xb assumed; fitted values) (3,549 missing values generated)

41. reg mofficeexp difshareN difshare2N difshare3N difshare4N, robust

Linear regression Number of obs 3,549 = F(4, 3544) 892.27 Prob > F 0.0000 R-squared 0.6341 Root MSE = .21813

mofficeexp	Coef.	Robust Std. Err.	t	P> t	[95% Conf.	Interval]
difshareN	7.166663	.2233713	32.08	0.000	6.728713	7.604612
difshare2N	17.07679	1.048376	16.29	0.000	15.02131	19.13227
difshare3N	16.11116	1.917502	8.40	0.000	12.35164	19.87068
difshare4N	4.993611	1.142567	4.37	0.000	2.753455	7.233767
_cons	1.052536	.0178734	58.89	0.000	1.017493	1.087579

42. predict LinFit3 (option xb assumed; fitted values) (4,251 missing values generated)

- 43. twoway (scatter mofficeexp difshare if difshare >=-.25 & difshare <=.25, xline(0, ls > tyle(foreground))) (line LinFit3 difshare if difshare <= 0 & difshare >=-.25 & difsh
 > are <=.25, lcolor(red black)) ///</pre>

(line Fitlin3 difshare if difshare >= 0 &

- > difshare >=-.25 & difshare <=.25, lcolor(red black))</pre>
- 44. reg melectexp difshareP difshare2P difshare3P difshare4P, robust

Linear regression Number of obs 4,251 F(4, 4246) Prob > F = 4270.44 = 0.0000 R-squared = 0.6272 Root MSE .75129

melectexp	Coef.	Robust Std. Err.	t	P> t	[95% Conf.	Interval]
difshareP	15.6208	.6372548	24.51	0.000	14.37145	16.87015
difshare2P	-17.84929	3.341433	-5.34	0.000	-24.40024	-11.29833
difshare3P	-3.334285	5.916129	-0.56	0.573	-14.93299	8.26442
difshare4P	7.728815	3.205643	2.41	0.016	1.444078	14.01355
_cons	1.453521	.0296204	49.07	0.000	1.39545	1.511593

45. predict Fitlin4

(option **xb** assumed; fitted values) (3,549 missing values generated)

46.

47. reg melectexp difshareN difshare2N difshare3N difshare4N, robust

Linear regression

melectexp	Coef.	Robust Std. Err.	t	P> t	[95% Conf.	Interval]
difshareN	7.273535	.3701724	19.65	0.000	6.547763	7.999308
difshare2N	14.92868	2.120458	7.04	0.000	10.77124	19.08612
difshare3N	10.28729	4.220139	2.44	0.015	2.013144	18.56144
difshare4N	1.145411	2.445857	0.47	0.640	-3.650018	5.94084
_cons	1.328024	.0211684	62.74	0.000	1.286521	1.369528

48. predict LinFit4

(option **xb** assumed; fitted values) (4,251 missing values generated)

49. twoway (scatter melectexp difshare if difshare >=-.25 & difshare <=.25, xline(0, lst > yle(foreground))) (line LinFit4 difshare if difshare <=0 & difshare >=-.25 & difshare

> e <=.25, lcolor(red black)) ///

> (line Fitlin4 difshare if difshare >= 0 & > difshare >=-.25 & difshare <=.25, lcolor(red black))

50. *F)

51.

Linear regression

Number of obs = 4,251 F(6, 4244) = 595.25 Prob > F = 0.0000 R-squared = 0.4021 Root MSE = .07539

mmyoutcome~t	Coef.	Robust Std. Err.	t	P> t	[95% Conf.	Interval]
melectexp mofficeexp difshareP difshare2P difshare3P difshare4P cons	048082 .0543106 1.842416 -5.492781 6.634245 -2.80733 .600345	.0169932 .0173643 .0814268 .3267902 .551167 .2988511	-2.83 3.13 22.63 -16.81 12.04 -9.39 90.26	0.005 0.002 0.000 0.000 0.000 0.000	0813976 .0202674 1.682776 -6.133461 5.553669 -3.393234 .5873043	0147665 .0883538 2.002055 -4.852101 7.714821 -2.221425 .6133857

53. predict Fitlin5

(option xb assumed; fitted values)
(3,549 missing values generated)

54.

55. reg mmyoutcomenext melectexp mofficeexp difshareN difshareN difshareN difshareN difshareN, > robust

Linear regression Number of obs 3,549 = 671.92 F(6, 3542) Prob > F 0.0000 = 0.7057 R-squared Root MSE .02322

mmyoutcome~t	Coef.	Robust Std. Err.	t	P> t	[95% Conf.	Interval]
melectexp mofficeexp difshareN difshare2N difshare3N difshare4N _cons	0048541 .0175649 1.296934 4.565274 6.541012 3.187248 .1296757	.0034361 .0041066 .0516621 .2275671 .4006451 .2392446	-1.41 4.28 25.10 20.06 16.33 13.32 30.63	0.158 0.000 0.000 0.000 0.000 0.000 0.000	0115911 .0095134 1.195643 4.119098 5.755494 2.718177 .1213747	.0018828 .0256164 1.398224 5.011449 7.32653 3.656319 .1379767

56. predict LinFit5

(option xb assumed; fitted values) (4,251 missing values generated)

- 57. twoway (scatter mmyoutcomenext difshare if difshare >=-.25 & difshare <=.25, xline(0 , lstyle(foreground))) (line LinFit5 difshare if difshare <= 0 & difshare >=-.25 & d > ifshare <=.25, lcolor(red black)) ///</pre>
 - (line Fitlin5 difshare if difshare >= 0 & > difshare >=-.25 & difshare <=.25, lcolor(red black))</pre>
- 58.
- 59. reg mrunagain melectexp mofficeexp difshareP difshare2P difshare3P difshare4P, robus

4,251 Linear regression Number of obs F(6, 4244) = F(6, 5)8.18 = 0.0000 Prob > F R-squared = 0.0177 Root MSE .06395

mrunagain	Coef.	Robust Std. Err.	t	P> t	[95% Conf.	Interval]
melectexp mofficeexp difshareP difshare2P difshare3P difshare4P cons	.005084 0004776 0681093 .4670386 964584 .5501763 .8587994	.0151201 .0155477 .0703047 .2907405 .492563 .2665267	0.34 -0.03 -0.97 1.61 -1.96 2.06 164.07	0.737 0.975 0.333 0.108 0.050 0.039 0.000	0245593 0309593 2059432 102965 -1.930265 .0276446 .8485375	.0347274 .030004 .0697246 1.037042 .0010971 1.072708 .8690613

60. predict Fitlin6

(option xb assumed; fitted values)

(3,549 missing values generated)

61.
62. reg mrunagain melectexp mofficeexp difshareN difshareN difshareN difshareN difshareN, robus
> +

mrunagain	Coef.	Robust Std. Err.	t	P> t	[95% Conf.	Interval]
melectexp	.0351837	.0233995	1.50	0.133	0106941	.0810616
mofficeexp	0745601	.0255212	-2.92	0.004	1245979	0245223
difshareN	3.049677	.111182	27.43	0.000	2.83169	3.267664
difshare2N	9.918334	.6867063	14.44	0.000	8.571954	11.26471
difshare3N	13.61794	1.531198	8.89	0.000	10.61583	16.62006
difshare4N	6.534917	1.113592	5.87	0.000	4.351571	8.718263
_cons	.4629603	.0075344	61.45	0.000	.448188	.4777326

63. predict LinFit6
 (option xb assumed; fitted values)
 (4,251 missing values generated)

64. twoway (scatter mrunagain difshare if difshare >=-.25 & difshare <=.25, xline(0, lst > yle(foreground))) (line LinFit6 difshare if difshare <= 0 & difshare >=-.25 & difshare

> re <=.25, lcolor(red black)) ///

> (line Fitlin6 difshare if difshare >= 0% d

> ifshare >=-.25 & difshare <=.25, lcolor(red black))</pre>

65.