Activist paper preliminary output

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The purpose of this document

The research question of this paper is to learn whether there are any network effects among the 'active' and 'passive' activist investors over the span of the activists' campaign. This document contains a summary of my progress with this project. Research approach section is basically copied from my original proposal to remind the reader about my research approach.

Table 1: **Summary of events by hedge fund stated goals - the whole 2015.** The sample consists of 467 activist campaigns in 2015, of which 352 contain demands.

Activist' Objective	Num. of events	% of Sample	% of Success
General undervaluation/maximize shareholder value	115	13.1%	NA
Excess cash, under-leverage, dividends/repurchases	94	10.7%	64.9%
Equity issuance, restructure debt, recapitalization	32	3.64%	56.2%
Operational efficiency	61	6.94%	50.8%
Lack of focus, business restructuring and spinning off	84	9.56%	73.8%
M&A: as target (against the deal/for better terms)	64	7.28%	32.8%
M&A: as acquirer (against the deal/for better terms)	17	1.93%	82.4%
Pursue growth strategies	8	0.91%	50%
Sell company or main assets to a third party	135	15.4%	48.1%
Take control/buyout company and/or take it private	46	5.23%	41.3%
Rescind takeover defenses	43	4.89%	46.5%
Oust CEO, chairman	65	7.39%	53.8%
Board independence and fair representation	286	32.5%	69.6%
More information disclosure/potential fraud	56	6.37%	17.9%
Excess executive compensation/pay for performance	57	6.48%	50.9%
Institute enviromental protection policy	21	2.39%	0%
Public Short Position/Bear Raid	2	0.228%	NA
Sum of categories not falling into general undervaluation	764	86.9%	60.9%

Table 2: **Summary of events by hedge fund stated goals - the merged subsample of 2015.** The sample consists of 104 activist campaigns in 2015, of which 104 contain demands. The campaigns that fall into general undervaluation category are not considered here.

Activist' Objective	Num. of events	% of Sample	% of Success
General undervaluation/maximize shareholder value	0	0%	NA
Excess cash, under-leverage, dividends/repurchases	66	18.2%	68.2%
Equity issuance, restructure debt, recapitalization	23	6.35%	73.9%
Operational efficiency	36	9.94%	52.8%
Lack of focus, business restructuring and spinning off	53	14.6%	66%
M&A: as target (against the deal/for better terms)	34	9.39%	32.4%
M&A: as acquirer (against the deal/for better terms)	13	3.59%	76.9%
Pursue growth strategies	5	1.38%	40%
Sell company or main assets to a third party	87	24%	50.6%
Take control/buyout company and/or take it private	11	3.04%	36.4%
Rescind takeover defenses	23	6.35%	47.8%
Oust CEO, chairman	35	9.67%	62.9%
Board independence and fair representation	99	27.3%	73.7%
More information disclosure/potential fraud	23	6.35%	34.8%
Excess executive compensation/pay for performance	37	10.2%	51.4%
Institute enviromental protection policy	3	0.829%	0%
Public Short Position/Bear Raid	2	0.228%	NA
Sum of categories not falling into general undervaluation	362	100%	66.9%

Table 3: **Sussess rate by stage - the merged subsample.** This table provides the breakdown of stages at which the campaign is terminated. The table is based on the observations that are left after the campaigns data is merged with 13F data. The data on campaign avalability comes from SharkWatch database. Campaigns were manually classified.

Exit after	Num. of campaigns	% of Sample	Number of Successes	% of Successes
Demand negotiations	163	45%	108	66.3%
Board representation	38	10.5%	14	36.8%
Proxy fight	161	44.5%	120	74.5%

Table 4: **Descriptive statistics.** This table provides summary statistics on the variables used in preliminary analysis. The variables are grouped by type. *won_brep_percent* is the percentage of board seats won out of the number of activists' nominees. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *sales_growth* is the growth of sales over the span of the campaign. *oper_profit_growth* is an operational profitability growth over the span of the campaign. Operational profitability is defined as in Ball et. al (2016). *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *investor.number* is a total number of institutional investors that hold shares of a company. *total.activist.number* is the number of passive activist investors that hold shares of the company. Activist investor is defined as any investor that appeared in SharkWatch database at least once. *activist.size.vweghted* is the sum of all the company's activists' assets weighted by the share of investments in the company. *activist.size.average* is an average of total assets of company's activists. *spring measure* corresponds to the edges of Spring Network, which is described above. *number of connections* corresponds to Number of Connections Network, where the weight of the edge is number of connections between two activists. *size* is the market value of the company. *age* is the age of the company. *leverage* is the leverage of the company. *mtb* is the market-to-book ratio of the company. *oper_profit* is an operating profitability of the company. *roa* is return on company's assets. *tobins_q* is the company's Tobin's Q. *asset_turnover* is the company's asset turnover. *rd_to_assets* is a share of R&D expenditures to the company's assets. *revtq* is the quartely revenue, and *saleq* are the company's sales.

Variable type	Variable	mean	sd	min	p25	median	p75	max
campaign outcome	checked_board_seats_won	1.47	1.37	0	0	1	2	7
campaign outcome	won_board_ind	0.72	0.45	0	0	1	1	1
campaign outcome	success_of_stated_obj	0.49	0.5	0	0	0	1	1
campaign outcome	sales_growth	0.17	1.73	-0.96	-0.03	0	0.05	25.38
campaign outcome	oper_profit_growth	0.13	1.71	-10.47	-0.04	0	0.1	11.09
activists' persuasiveness	log(active.activist.size)	9.41	3.11	3.23	7.16	8.71	11.49	17.54
network variable	investor.number	64.45	27.96	2	54	72	86.75	123
network variable	total.activist.number	63.43	27.95	1	53	71	85.75	122
network variable	log(activist.size.vweighted)	12.63	3.03	9.79	10.71	11.02	12.38	23.11
network variable	log(activist.size.average)	12.06	3.16	9.38	10.25	10.38	11.06	19.81
network variable	log(inv_size_nw_s)	21.7	2.09	17.06	20.25	21.27	23.11	28.35
network variable	log(inv_size_nw_spr)	13.12	2.41	6.29	11.56	12.99	14.27	19.8
network variable	log(act_size_nw_s)	21.62	2.34	0	20.25	21.27	23.07	28.29
network variable	log(act_size_nw_spr)	12.99	2.48	0	11.47	12.91	14.2	19.76
network variable	act_s_clos	0	1	-0.36	-0.33	-0.25	-0.07	11.84
network variable	oth_s_clos	0	1	-0.88	-0.84	-0.29	0.39	10.55
network variable	act_s_betw	0	1	-0.19	-0.19	-0.18	-0.17	13.06
network variable	oth_s_betw	0	1	-0.87	-0.69	-0.28	0.3	8.28
network variable	spring fund	0	0	0.02	0	0.01	0.97	0.04
network variable	# of connections fund	1	1	30.61	4	15	3369	129.49
network variable	spring top20	0	0	0.02	0	0.01	0.97	0.04
network variable	# of connections top20	1	1	30.61	4	15	3369	129.49
control variable	log(size)	7.2	1.95	3.03	5.75	7	8.33	13.03
control variable	age	22.33	14.03	1	11	19	30	53
control variable	leverage	1.25	6.96	-30.1	0.09	0.43	1.2	112.41
control variable	mtb	3.26	19.05	-113.94	1.15	1.8	2.9	316.84
control variable	oper_profit	506.97	2182.34	-1061	11.31	50.68	182.5	21332
control variable	roa	53.08	393.1	-1938.71	-38.48	40.07	111.66	4325.62
control variable	tobins_q	1.51	1.8	0.17	0.86	1.19	1.61	19.54
control variable	asset_turnover	0.2	0.16	-0.06	0.09	0.16	0.26	1.2
control variable	rd_to_assets	32.57	149.79	0	0	0	7.91	1444
control variable	revtq	2638.19	11512.07	-1569.77	69.03	218.53	954.47	124238
control variable	age_activist	13.8	12.71	0	4.5	11	18.23	102

Table 5: **Correlation table.** *won_brep_percent* is the percentage of board seats won out of the number of activists' nominees. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board. *success_of_stated_obj* is an indicator of fulfillment of activists' demands. *sales_growth* is the growth of sales over the span of the campaign. *oper_profit_growth* is an operational profitability growth over the span of the campaign. Operational profitability is defined as in Ball et. al (2016). *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *investor.number* is a total number of institutional investors that hold shares of a company. *total.activist.number* is the number of passive activist investors that hold shares of the company. Activist investor is defined as any investor that appeared in SharkWatch database at least once. *activist.size.vweghted* is the sum of all the company's activists' assets weighted by the share of investments in the company. *activist.size.average* is an average of total assets of company's activists. *spring measure* corresponds to the edges of Spring Network, which is described above. *number of connections* corresponds to Number of Connections Network, where the weight of the edge is number of connections between two activists. *size* is the market value of the company. *age* is the age of the company. *leverage* is the leverage of the company. *mtb* is the market-to-book ratio of the company. *oper_profit* is an operating profitability of the company. *roa* is return on company's assets. *tobins_q* is the company's Tobin's Q. *asset_turnover* is the company's asset turnover. *rd_to_assets* is a share of R&D expenditures to the company's assets. *revtq* is the quartely revenue, and *saleq* are the company's sales

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1 checked_board_seats_won	1																				
2 won_board_ind	0.68	1																			
3 success_of_stated_obj	0.26	0.26	1																		
4 sales_growth	0.09	-0.07	-0.01	1																	
5 oper_profit_growth	0.09	0.06	-0.09	-0.13	1																
6 log(active.activist.size)	-0.06	-0.05	-0.45	0.08	0.08	1															
7 investor.number	0.21	0.21	0.52	-0.01	-0.08	-0.62	1														
8 total.activist.number	0.21	0.21	0.52	-0.01	-0.08	-0.62	1	1													
9 log(activist.size.vweighted)	-0.17	-0.14	-0.5	0.06	0.02	0.79	-0.71	-0.71	1												
10 log(activist.size.average)	-0.17	-0.14	-0.54	0.05	0.03	0.81	-0.82	-0.82	0.97	1											
11 age	-0.05	-0.01	-0.1	0.09	0.02	0.18	0.07	0.07	0.1	0.07	1										
12 leverage	0.02	0.13	-0.05	-0.01	0.01	0.08	-0.02	-0.02	0	0	0.05	1									
13 log(size)	0.06	0.1	-0.06	-0.02	0.03	0.27	0.12	0.12	0.13	0.05	0.46	0.06	1								
14 mtb	0.08	0.16	-0.04	0.01	0	0.08	-0.03	-0.03	0.01	0.01	0.04	0.96	0.06	1							
15 oper_profit	-0.12	-0.18	-0.15	-0.05	-0.02	0	0.05	0.05	0.03	0.01	0.3	0.01	0.52	0.01	1						
16 roa	-0.05	0.01	0.02	0.04	0.08	0.02	-0.02	-0.02	0.01	0	0.09	0.02	0.02	0	0	1					
17 tobins_q	0.31	0.12	0.1	0.2	0.03	0.01	-0.02	-0.02	0	-0.03	-0.08	0.01	-0.03	0.07	0.01	-0.02	1				
18 asset_turnover	-0.04	0.03	-0.07	-0.11	-0.01	0.03	-0.03	-0.03	-0.01	0	0.14	-0.02	-0.01	0.02	0.07	0.03	-0.07	1			
19 rd_to_assets	0.03	0.03	-0.02	-0.02	-0.02	0.11	0.03	0.03	0.1	0.05	0.08	-0.01	0.29	0	0.12	-0.03	-0.01	-0.05	1		
20 revtq	-0.14	-0.15	-0.14	-0.03	-0.01	-0.01	0.04	0.04	0	-0.01	0.3	0	0.48	0	0.95	0	-0.01	0.18	0.03	1	
21 saleq	-0.13	-0.14		-0.04	-0.03	0.32	0.5	0.5	0.15	-0.19	0.49	0.24	0.62	0.09	0.76	0.11	0.05	0.01	0.09	1	1

Preliminary results

This section contains the tables with output of some preliminary OLS regressions.

Table 6: Logit regressions with robust standard errors

	Dependent variable:							
	won_board_ind							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
total.activist.number	0.0155 t = 2.8098***		0.0234 t = 1.9893**		0.0139 t = 3.1769***	0.0223 t = 2.1172**		
top20_number		0.0366 t = 2.7065***		0.0509 t = 2.0317**			0.0334 t = 2.9700***	0.0480 t = 2.1336**
log(active.activist.share)			0.1490 t = 1.1907	0.1370 t = 1.1877		0.0802 t = 0.3317		0.1419 t = 1.2203
exit_s_board:log(active.activist.share)						0.4375 t = 1.4509		
exit_s_proxy:log(active.activist.share)						0.0815 t = 0.3310		
exit_s_board					−1.5144 t = −1.2744	−4.6043 t = −2.4676**	−1.5230 t = −1.2866	−1.4549 t = −1.2364
exit_s_proxy					−0.8520 t = −1.1755	−1.5000 t = −0.7870	−0.8451 t = −1.1848	−0.8989 t = −1.1849
Constant	0.0366 t = 0.1201	−0.1276 t = −0.3251	−1.5628 t = −1.0261	−1.5942 t = −1.0577	0.7824 t = 1.4580	−0.3106 t = −0.1418	0.6172 t = 1.1691	−0.8641 t = −0.7383
Observations	198	198	198	198	198	198	198	198

Notes: Logistic regression of the equation $Y = a + bx + gN + controls + e$. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *investor.number* is a total number of institutional investors that hold shares of a company. *total.activist.number* is the number of passive activist investors that hold shares of the company. Activist investor is defined as any investor that appeared in SharkWatch database at least once. Robust standard errors in parenthesis.

Table 7: Logit regressions with robust standard errors

	Dependent variable:							
	success_of_stated_obj							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
total.activist.number	0.0522 t = 17.8330***		0.0489 t = 24.5810***		0.0528 t = 12.0585***	0.0493 t = 16.1356***		
top20_number		0.1023 t = 16.2176***		0.0947 t = 17.7993***			0.1063 t = 11.4331***	0.0983 t = 14.3628***
log(active.activist.share)			−0.1093 t = −2.2568**	−0.1452 t = −2.9735***		−0.0603 t = −1.7429*		−0.1390 t = −3.6646***
exit_s_board					−1.5636 t = −2.4390**	−0.5006 t = −0.5920	−1.7702 t = −2.7313***	−1.6465 t = −2.8075***
exit_s_proxy					0.2449 t = 1.5980	0.7178 t = 3.2109***	0.1837 t = 1.3185	0.2844 t = 1.8713*
log(active.activist.share):exit_s_board						−0.1436 t = −1.8270*		
log(active.activist.share):exit_s_proxy						−0.0598 t = −5.6879***		
Constant	−3.4707 t = −27.9085***	−3.3511 t = −20.9063***	−2.4761 t = −7.7268***	−2.0642 t = −5.5061***	−3.4576 t = −34.6756***	−2.8077 t = −10.4631***	−3.3803 t = −30.1690***	−2.1803 t = −8.9394***
Observations	362	362	362	362	362	362	362	362

Notes: Logistic regression of the equation $Y = a + bx + gN + controls + e$. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *investor.number* is a total number of institutional investors that hold shares of a company. *total.activist.number* is the number of passive activist investors that hold shares of the company. Activist investor is defined as any investor that appeared in SharkWatch database at least once. Robust standard errors in parenthesis.

Table 8: OLS regressions with robust standard errors.

	Dependent variable:						
	won_board_ind						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
total.activist.number	0.0032		0.0028		0.0041		0.0038
	t = 2.9668***		t = 3.6264***		t = 2.4877**		t = 3.3222***
top20_number		0.0075		0.0067		0.0091	
		t = 2.8040***		t = 3.2111***		t = 2.4984**	
exit_s_board			−0.2992	−0.2988	−0.2764	−0.2811	−0.2160
			t = −1.5232	t = −1.5503	t = −1.4771	t = −1.5302	t = −0.9778
exit_s_proxy			−0.1444	−0.1419	−0.1503	−0.1488	−0.1503
			t = −1.5196	t = −1.5435	t = −1.4967	t = −1.5224	t = −1.5621
age							0.0004
							t = 0.1930
log(size)							0.0061
							t = 0.2750
leverage							−0.0027
							t = −0.0876
mtb							0.0092
							t = 0.9576
log(active.activist.share)					0.0275	0.0254	0.0245
					t = 1.3649	t = 1.3759	t = 2.3277**
Constant	0.5225	0.4882	0.6519	0.6171	0.3614	0.3525	0.3252
	t = 7.3709***	t = 5.4323***	t = 9.2679***	t = 7.9704***	t = 1.6002	t = 1.5954	t = 1.9210*
Observations	198	198	198	198	198	198	162
R^2	0.0459	0.0534	0.0749	0.0818	0.0969	0.1018	0.1179
Adjusted R^2	0.0411	0.0486	0.0606	0.0676	0.0782	0.0832	0.0718

Notes: OLS regression of the equation $Y = a + bx + gN + controls + e$. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *investor.number* is a total number of institutional investors that hold shares of a company. *total.activist.number* is the number of passive activist investors that hold shares of the company. Activist investor is defined as any investor that appeared in SharkWatch database at least once. *size* is the market value of the company. *age* is the age of the company. *leverage* is the leverage of the company. Robust standard errors in parenthesis.

Table 9: OLS regressions with robust standard errors.

	Dependent variable:						
	success_of_stated_obj						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
total.activist.number	0.0094		0.0094		0.0086		0.0091
	t = 18.1260***		t = 18.1232***		t = 20.1680***		t = 19.2952***
top20_number		0.0194		0.0195		0.0176	
		t = 16.3916***		t = 18.3763***		t = 21.2066***	
exit_s_board			−0.2825	−0.3229	−0.2750	−0.3080	−0.2674
			t = −2.6665***	t = −2.9856***	t = −2.8094***	t = −3.1579***	t = −6.2824***
exit_s_proxy			0.0440	0.0316	0.0525	0.0450	0.0573
			t = 1.5468	t = 1.1480	t = 1.8408*	t = 1.5960	t = 1.6558*
log(active.activist.share)					−0.0188	−0.0250	−0.0127
					t = −2.5790***	t = −3.7321***	t = −2.2885**
age							−0.0027
							t = −1.2006
log(size)							−0.0066
							t = −0.9020
leverage							−0.0137
							t = −0.7697
mtb							0.0050
							t = 0.8342
Constant	−0.1019	−0.1193	−0.0898	−0.1030	0.0949	0.1387	0.1076
	t = −6.9488***	t = −6.1718***	t = −2.3323**	t = −3.0380***	t = 0.9644	t = 1.6078	t = 0.6675
Observations	362	362	362	362	362	362	298
R^2	0.2756	0.2490	0.3121	0.2930	0.3202	0.3079	0.3518
Adjusted R^2	0.2736	0.2469	0.3064	0.2870	0.3125	0.3001	0.3339

Notes: OLS regression of the equation $Y = a + bx + gN + controls + e$. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *investor.number* is a total number of institutional investors that hold shares of a company. *total.activist.number* is the number of passive activist investors that hold shares of the company. Activist investor is defined as any investor that appeared in SharkWatch database at least once. *size* is the market value of the company. *age* is the age of the company. *leverage* is the leverage of the company. Robust standard errors in parenthesis.

Table 10: Basic spillower OLS regressions with robust standard errors

	Dependent variable:							
	won_board_ind							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
log_act_num_con	0.0357 t = 2.2505**		0.0329 t = 2.0391**		0.0447 t = 3.0434***		0.0422 t = 2.9986***	
log_act_s		0.0618 t = 2.0280**		0.0596 t = 1.8003*		0.0626 t = 1.9075*		0.0536 t = 1.4486
exit_s_board			−0.3562 t = −1.7194*	−0.3581 t = −1.5173			−0.8918 t = −2.4670**	−0.2376 t = −1.2123
exit_s_proxy			−0.1472 t = −2.3350**	−0.1548 t = −1.3298			−0.2868 t = −0.9165	−0.1500 t = −1.4934
log(active.activist.share)					0.0182 t = 1.0837	0.0054 t = 0.4334	0.0050 t = 0.1277	0.0081 t = 2.4778**
exit_s_board:log(active.activist.share)							0.0739 t = 1.1535	
exit_s_proxy:log(active.activist.share)							0.0180 t = 0.4313	
age								0.0033 t = 0.9721
scale(size)								−0.0925 t = −1.0300
leverage								−0.0158 t = −0.4925
mtb								0.0131 t = 1.2131
Constant	0.4008 t = 2.7463***	0.6150 t = 10.3716***	0.5342 t = 3.4591***	0.7324 t = 7.9350***	0.1805 t = 0.7179	0.5720 t = 4.0227***	0.4106 t = 1.0768	0.5715 t = 6.4207***
Observations	197	198	197	198	197	198	197	162
R^2	0.0357	0.0415	0.0709	0.0789	0.0466	0.0426	0.0891	0.1050
Adjusted R^2	0.0307	0.0366	0.0565	0.0647	0.0367	0.0328	0.0603	0.0582

Notes: OLS regression of the equation $Y = \alpha + \beta x + \gamma \bar{x} + controls + \epsilon$. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *activist.size.vweghted* is the sum of all the company's activists' assets weighted by the share of investments in the company. *activist.size.average* is an average of total assets of company's activists. Activist investor is defined as any investor that appeared in SharkWatch database at least once. *size* is the market value of the company. *age* is the age of the company. *leverage* is the leverage of the company. Robust standard errors in parenthesis.

Table 11: Basic spillower OLS regressions with robust standard errors

	Dependent variable:							
	success_of_stated_obj							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
log_act_num_con	0.0834 t = 8.8794***		0.0953 t = 10.1951***		0.0684 t = 6.4338***		0.0825 t = 7.5555***	
log_act_s		0.0900 t = 4.7321***		0.1039 t = 5.9355***		0.0908 t = 5.3800***		0.0995 t = 5.5362***
exit_s_board			−0.4575 t = −5.9588***	−0.4492 t = −5.6528***			−0.2710 t = −1.0141	−0.3533 t = −4.0161***
exit_s_proxy			0.0313 t = 0.6121	−0.0250 t = −0.4747			0.1543 t = 0.9984	0.0278 t = 0.4958
log(active.activist.share)					−0.0377 t = −3.7727***	−0.0592 t = −7.1784***	−0.0234 t = −1.6598*	−0.0613 t = −6.9133***
exit_s_board:log(active.activist.share)							−0.0201 t = −0.6567	
exit_s_proxy:log(active.activist.share)							−0.0145 t = −0.8262	
age								0.0017 t = 0.8671
scale(size)								−0.0771 t = −2.9793***
leverage								−0.0211 t = −1.1106
mtb								0.0068 t = 1.0847
Constant	−0.2785 t = −3.5249***	0.3239 t = 8.1349***	−0.3542 t = −3.9275***	0.3558 t = 7.1134***	0.1422 t = 0.9005	0.7636 t = 8.7751***	−0.0686 t = −0.3799	0.7497 t = 7.3078***
Observations	361	362	361	362	361	362	361	298
R^2	0.1515	0.0793	0.2336	0.1496	0.1873	0.1795	0.2616	0.2726
Adjusted R^2	0.1491	0.0767	0.2272	0.1425	0.1827	0.1749	0.2491	0.2524

Notes: OLS regression of the equation $Y = \alpha + \beta x + \gamma \bar{x} + controls + \epsilon$. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *activist.size.vweghted* is the sum of all the company's activists' assets weighted by the share of investments in the company. *activist.size.average* is an average of total assets of company's activists. Activist investor is defined as any investor that appeared in SharkWatch database at least once. *size* is the market value of the company. *age* is the age of the company. *leverage* is the leverage of the company. Robust standard errors in parenthesis.

Table 12: Basic spillower OLS regressions with robust standard errors

	Dependent variable:							
	won_board_ind							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
log_top20_share_nw_s	0.0199		0.0200		0.0222		0.0171	
	t = 1.1729		t = 1.1744		t = 1.1744		t = 0.7622	
log_top20_share_nw_spr		0.0254		0.0257		0.0386		0.0371
		t = 2.4650**		t = 2.5558**		t = 2.8031***		t = 2.3058**
exit_s_board			−0.3755	−0.3701			−0.3068	−0.3037
			t = −1.8518*	t = −1.9104*			t = −1.2736	t = −1.3637
exit_s_proxy			−0.1820	−0.1859			−0.1830	−0.1663
			t = −2.9133***	t = −2.9525***			t = −2.4796**	t = −2.2054**
log(active.activist.share)					−0.0043	−0.0238	−0.0052	−0.0207
					t = −0.3057	t = −1.4482	t = −0.3195	t = −1.1428
poison_pill							0.1131	0.1066
							t = 1.5304	t = 1.4963
age							0.0010	0.0009
							t = 0.3490	t = 0.3339
log(size)							0.0205	0.0016
							t = 0.8285	t = 0.0643
leverage							−0.0259	−0.0278
							t = −0.9163	t = −0.9612
mtb							0.0146	0.0151
							t = 1.7047*	t = 1.8437*
Constant	0.4440	0.5595	0.5750	0.6924	0.4445	0.6607	0.4327	0.6829
	t = 1.8642*	t = 7.4354***	t = 2.4541**	t = 9.1540***	t = 1.8546*	t = 6.4908***	t = 1.7228*	t = 3.9935***
Observations	196	196	196	196	196	196	162	162
R^2	0.0091	0.0322	0.0563	0.0802	0.0097	0.0463	0.1021	0.1336
Adjusted R^2	0.0039	0.0272	0.0416	0.0658	−0.0006	0.0364	0.0490	0.0823

Notes: OLS regression of the equation $Y = \alpha + \beta x + \gamma \bar{x} + controls + \epsilon$. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *activist.size.vweghted* is the sum of all the company's activists' assets weighted by the share of investments in the company. *activist.size.average* is an average of total assets of company's activists. Activist investor is defined as any investor that appeared in SharkWatch database at least once. *size* is the market value of the company. *age* is the age of the company. *leverage* is the leverage of the company. Robust standard errors in parenthesis.

Table 13: Basic spillower OLS regressions with robust standard errors

	Dependent variable:							
	success_of_stated_obj							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
log_top20_share_nw_spr	−0.0228		−0.0127		0.0070			0.0244
	t = −2.8950***		t = −1.4689		t = 0.7978			t = 2.4879**
log_top20_share_nw_s		−0.0307		−0.0125		−0.0070	0.0165	
		t = −2.5783***		t = −0.9457		t = −0.6212	t = 1.2488	
exit_s_board			−0.3369	−0.3426			−0.4404	−0.4543
			t = −4.0106***	t = −3.8148***			t = −4.4781***	t = −4.7659***
exit_s_proxy			−0.0585	−0.0620			−0.0056	0.0010
			t = −1.0437	t = −1.1048			t = −0.0915	t = 0.0171
poison_pill							0.0952	0.0939
							t = 1.5720	t = 1.5603
age							−0.0014	−0.0013
							t = −0.6752	t = −0.6238
log(size)							0.0252	0.0149
							t = 1.2263	t = 0.6944
leverage							−0.0159	−0.0170
							t = −0.8612	t = −0.9140
mtb							0.0059	0.0063
							t = 0.9284	t = 0.9919
log(active.activist.share)					−0.0627	−0.0560	−0.0643	−0.0733
					t = −5.7207***	t = −5.7254***	t = −5.4553***	t = −6.1583***
Constant	0.6467	0.9355	0.6427	0.7406	0.9197	1.0149	0.6015	0.8154
	t = 10.5259***	t = 5.3212***	t = 9.6820***	t = 3.8898***	t = 11.9323***	t = 6.7964***	t = 3.7470***	t = 6.3072***
Observations	359	359	359	359	359	359	297	297
R^2	0.0208	0.0188	0.0556	0.0524	0.0982	0.0977	0.1753	0.1840
Adjusted R^2	0.0181	0.0161	0.0476	0.0444	0.0931	0.0926	0.1495	0.1584

Notes: OLS regression of the equation $Y = \alpha + \beta x + \gamma \bar{x} + controls + \epsilon$. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *activist.size.vweghted* is the sum of all the company's activists' assets weighted by the share of investments in the company. *activist.size.average* is an average of total assets of company's activists. Activist investor is defined as any investor that appeared in SharkWatch database at least once. *size* is the market value of the company. *age* is the age of the company. *leverage* is the leverage of the company. Robust standard errors in parenthesis.

Table 14: Basic spillower OLS regressions with robust standard errors

	Dependent variable:							
	won_board_ind							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
log_top20_w_norm_s	0.0309		0.0273		0.0257		0.0136	
	t = 2.4436**		t = 2.1005**		t = 1.6709*		t = 0.7512	
log_top20_w_norm_spr		0.0730		0.0705		0.0487		0.0202
		t = 1.2791		t = 1.1897		t = 0.7784		t = 0.3023
exit_s_board			−0.3300	−0.3506			−0.2697	−0.2737
			t = −1.5265	t = −1.6414			t = −1.0614	t = −1.0623
exit_s_proxy			−0.1422	−0.1647			−0.1732	−0.1847
			t = −2.2610**	t = −2.5944***			t = −2.3788**	t = −2.5548**
log_active.activist_norm_weight					0.1376	0.2373	0.1111	0.1660
					t = 0.7269	t = 1.2895	t = 0.4987	t = 0.7895
poison_pill							0.0760	0.0856
							t = 0.9519	t = 1.0741
age							0.0007	0.0007
							t = 0.2397	t = 0.2442
log(size)							0.0208	0.0210
							t = 1.0153	t = 1.0134
leverage							−0.0174	−0.0188
							t = −0.6390	t = −0.6755
mtb							0.0129	0.0130
							t = 1.3979	t = 1.5252
Constant	0.5552	0.6675	0.6784	0.7890	0.5090	0.5574	0.5045	0.5348
	t = 7.2672***	t = 13.5417***	t = 7.5765***	t = 13.7197***	t = 5.2946***	t = 5.9920***	t = 2.8104***	t = 2.9288***
Observations	198	198	198	198	198	198	162	162
R^2	0.0396	0.0182	0.0708	0.0577	0.0429	0.0293	0.1091	0.1050
Adjusted R^2	0.0347	0.0132	0.0565	0.0432	0.0331	0.0194	0.0563	0.0520

Notes: OLS regression of the equation $Y = \alpha + \beta x + \gamma \bar{x} + controls + \epsilon$. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *activist.size.vweghted* is the sum of all the company's activists' assets weighted by the share of investments in the company. *activist.size.average* is an average of total assets of company's activists. Activist investor is defined as any investor that appeared in SharkWatch database at least once. *size* is the market value of the company. *age* is the age of the company. *leverage* is the leverage of the company. Robust standard errors in parenthesis.

Table 15: Basic spillower OLS regressions with robust standard errors

	Dependent variable:							
	success_of_stated_obj							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
log_top20_w_norm_s	0.0752 t = 10.2867***		0.0845 t = 11.7456***		0.0644 t = 7.5825***		0.0786 t = 7.6167***	
log_top20_w_norm_spr		0.1055 t = 3.0078***		0.1374 t = 4.0941***		0.0542 t = 1.5110		0.0865 t = 2.1601**
exit_s_board			−0.4489 t = −5.7024***	−0.4543 t = −5.5288***			−0.3874 t = −3.8840***	−0.3576 t = −3.4241***
exit_s_proxy			0.0375 t = 0.7484	−0.0528 t = −0.9815			0.0469 t = 0.8174	−0.0496 t = −0.8388
poison_pill							−0.0171 t = −0.2801	0.0351 t = 0.5472
age							−0.0011 t = −0.4998	−0.0015 t = −0.6446
log(size)							−0.0148 t = −0.9202	−0.0044 t = −0.2598
leverage							−0.0155 t = −0.7876	−0.0152 t = −0.7249
mtb							0.0047 t = 0.7037	0.0045 t = 0.6222
log_active.activist_norm_weight					0.3407 t = 3.2745***	0.5829 t = 5.3933***	0.2156 t = 1.7774*	0.4668 t = 3.5011***
Constant	0.0595 t = 1.6811*	0.4167 t = 12.0338***	0.0366 t = 0.7267	0.4645 t = 10.4519***	−0.0584 t = −1.3180	0.1461 t = 2.7006***	0.0782 t = 0.7281	0.2849 t = 2.2567**
Observations	362	362	362	362	362	362	298	298
R^2	0.1768	0.0331	0.2576	0.1014	0.1970	0.0948	0.2855	0.1570
Adjusted R^2	0.1746	0.0304	0.2514	0.0939	0.1925	0.0898	0.2631	0.1306

Notes: OLS regression of the equation $Y = \alpha + \beta x + \gamma \bar{x} + controls + \epsilon$. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *activist.size.vweghted* is the sum of all the company's activists' assets weighted by the share of investments in the company. *activist.size.average* is an average of total assets of company's activists. Activist investor is defined as any investor that appeared in SharkWatch database at least once. *size* is the market value of the company. *age* is the age of the company. *leverage* is the leverage of the company. Robust standard errors in parenthesis.

Table 16: Basic spillower OLS regressions with robust standard errors

	Dependent variable:							
	won_board_ind							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
log_top20_w_sd_s	0.0200		0.0219		0.0245		−0.0004	
	t = 0.9578		t = 1.0460		t = 0.7760		t = −0.0136	
log_top20_w_sd_spr		0.0675		0.0664		0.0775		0.0413
		t = 1.9247*		t = 1.7837*		t = 1.0279		t = 0.6157
exit_s_board			−0.5074	−0.4302			−0.4090	−0.3686
			t = −4.5268***	t = −3.7032***			t = −2.5696**	t = −2.6869***
exit_s_proxy			−0.1660	−0.1569			−0.1670	−0.1683
			t = −1.9530*	t = −1.3267			t = −1.6337	t = −1.4641
log_active.activist_sd_weight					−0.0275	−0.0320	0.0070	−0.0281
					t = −0.4114	t = −0.2984	t = 0.1384	t = −0.2653
poison_pill							0.0919	0.1013
							t = 2.1204**	t = 2.1976**
age							0.0002	0.0017
							t = 0.0686	t = 0.8979
log(size)							0.0184	0.0241
							t = 1.8433*	t = 1.2230
leverage							−0.0069	−0.0152
							t = −0.1482	t = −0.4865
mtb							0.0095	0.0125
							t = 0.7209	t = 1.3147
Constant	0.5826	0.6404	0.6851	0.7585	0.5845	0.6685	0.6808	0.5630
	t = 2.9754***	t = 11.3308***	t = 5.1308***	t = 8.3803***	t = 2.8254***	t = 34.9061***	t = 3.3437***	t = 3.3131***
Observations	156	196	156	196	155	195	123	159
R^2	0.0089	0.0327	0.0685	0.0761	0.0096	0.0330	0.0923	0.1112
Adjusted R^2	0.0025	0.0277	0.0501	0.0617	−0.0034	0.0229	0.0200	0.0576

Notes: OLS regression of the equation $Y = \alpha + \beta x + \gamma \bar{x} + controls + \epsilon$. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *activist.size.vweghted* is the sum of all the company's activists' assets weighted by the share of investments in the company. *activist.size.average* is an average of total assets of company's activists. Activist investor is defined as any investor that appeared in SharkWatch database at least once. *size* is the market value of the company. *age* is the age of the company. *leverage* is the leverage of the company. Robust standard errors in parenthesis.

Table 17: Basic spillower OLS regressions with robust standard errors

	Dependent variable:							
	success_of_stated_obj							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
log_top20_w_sd_s	0.0340		0.0536		0.0310		0.0546	
	t = 0.9224		t = 2.2158**		t = 0.6289		t = 1.6417	
log_top20_w_sd_spr		0.0745		0.1058		0.0453		0.0850
		t = 1.4414		t = 3.3493***		t = 0.6283		t = 2.0251**
exit_s_board			−0.4795	−0.4928			−0.4562	−0.4639
			t = −4.8313***	t = −5.5134***			t = −3.5405***	t = −5.3949***
exit_s_proxy			0.0537	−0.0440			0.0889	−0.0477
			t = 1.0153	t = −0.6734			t = 1.8268*	t = −0.7886
poison_pill							−0.0183	0.0654
							t = −0.4249	t = 1.7792*
age							−0.0017	−0.0011
							t = −0.6020	t = −0.4406
log(size)							−0.0202	−0.0099
							t = −1.1495	t = −1.9783**
leverage							−0.0128	−0.0169
							t = −0.6698	t = −0.7418
mtb							0.0044	0.0051
							t = 0.6619	t = 0.6521
log_active.activist_sd_weight					0.0160	0.0877	−0.0285	0.0458
					t = 0.2727	t = 1.6307	t = −1.3152	t = 1.4155
Constant	0.2975	0.4055	0.1570	0.4351	0.3025	0.3433	0.3528	0.4716
	t = 0.9216	t = 6.2956***	t = 0.6263	t = 4.5826***	t = 0.8375	t = 8.5627***	t = 0.7795	t = 5.7201***
Observations	302	358	302	358	301	357	244	294
R^2	0.0180	0.0368	0.1171	0.1123	0.0187	0.0518	0.1443	0.1357
Adjusted R^2	0.0148	0.0341	0.1082	0.1048	0.0122	0.0464	0.1114	0.1083

Notes: OLS regression of the equation $Y = \alpha + \beta x + \gamma \bar{x} + controls + \epsilon$. *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *activist.size.vweghted* is the sum of all the company's activists' assets weighted by the share of investments in the company. *activist.size.average* is an average of total assets of company's activists. Activist investor is defined as any investor that appeared in SharkWatch database at least once. *size* is the market value of the company. *age* is the age of the company. *leverage* is the leverage of the company. Robust standard errors in parenthesis.

Table 18: **Correlation table.** *won_brep_dummy* is an indicator variable equal to 1 when at least 1 activist nominee was elected to the board.*success_of_stated_obj* is an indicator of fulfillment of activists' demands. *active.activist.size* correponds to the total assets of an activist group, computed from 13F filings. *investor.number* is a total number of institutional investors that hold shares of a company. *total.activist.number* is the number of passive activist investors that hold shares of the company. Activist investor is defined as any investor that appeared in SharkWatch database at least once. *activist.size.vweghted* is the sum of all the company's activists' assets weighted by the share of investments in the company. *activist.size.average* is an average of total assets of company's activists. *size* is the market value of the company. *age* is the age of the company. *leverage* is the leverage of the company. *mtb* is the market-to-book ratio of the company. *oper_profit* is an operating profitability of the company. All the other variables are centrality measures of activist network. Centrality captures the importance of the node position in a network. Three centrality measures are used. Closeness centrality shows how close each node to any other node. Betweennes centrality captures how well situated a node is in terms of the paths that it lies on. Degree centrality, is defined a the number of links incident to a node. Bonacich centrality is a degree centrality adjusted for the centrality of the neighbours in a network. The centrality measures were computed for both Simple and Spring networks. (By construction, centrality measures for Simple network are identical to the centrality measures of Number of Connections network.) I aggregated the centrality measures for each campaign. That is, *act_simple_closeness* is a sum of closeness centralities of every active activist participating in a campaign, and *oth_simple_closeness* is a sum of closeness centralities of every passive activist that invested in the company but does not participate in a campaign.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1 success_of_stated_obj	1																					
2 won_board_ind	0.26	1																				
3 total.activist.number	0.52	0.21	1																			
4 activist.size.vweighted	-0.13	0.01	-0.11	1																		
5 activist.size.average	-0.39	-0.07	-0.58	0.77	1																	
6 age	-0.1	-0.01	0.07	0	-0.01	1																
7 leverage	-0.05	0.13	-0.02	0.03	0.03	0.05	1															
8 size	-0.16	-0.05	0.06	0.12	0.04	0.34	0	1														
9 mtb	-0.04	0.16	-0.03	0.03	0.03	0.04	0.96	0.01	1													
10 oper_profit	-0.15	-0.18	0.05	0.05	0.01	0.3	0.01	0.95	0.01	1												
11 act_s_clos	0.03	-0.11	0.21	-0.05	-0.13	-0.05	0.08	-0.03	0.09	0	1											
12 act_s_betw	-0.04	-0.14	0.13	-0.02	-0.07	-0.06	0.04	-0.01	0.04	0.01	0.91	1										
13 act_s_bon	-0.05	0.1	-0.25	0.05	0.16	0.05	-0.11	0.04	-0.11	0.01	-0.97	-0.89	1									
14 act_sp_clos	0.03	-0.11	0.21	-0.05	-0.13	-0.05	0.08	-0.03	0.09	0	1	0.91	-0.97	1								
15 act_sp_betw	-0.04	-0.14	0.13	-0.02	-0.07	-0.06	0.04	-0.01	0.04	0.01	0.91	1	-0.89	0.91	1							
16 act_sp_bon	-0.07	0.1	-0.24	0.05	0.15	0.07	-0.06	0.04	-0.06	0.01	-0.98	-0.87	0.95	-0.98	-0.87	1						
17 oth_s_clos	0.35	0.13	0.57	-0.11	-0.34	-0.08	-0.05	-0.11	-0.05	-0.12	0.2	0.04	-0.24	0.2	0.04	-0.28	1					
18 oth_s_betw	0.38	0.21	0.67	-0.11	-0.32	-0.03	-0.06	-0.1	-0.05	-0.1	0.14	0.03	-0.21	0.14	0.03	-0.21	0.87	1				
19 oth_s_bon	-0.35	-0.14	-0.59	0.12	0.35	0.08	0.05	0.11	0.05	0.1	-0.16	-0.03	0.24	-0.16	-0.03	0.26	-0.95	-0.91	1			
20 oth_sp_clos	0.35	0.13	0.57	-0.11	-0.34	-0.08	-0.05	-0.11	-0.05	-0.12	0.2	0.04	-0.24	0.2	0.04	-0.28	1	0.87	-0.95	1		
21 oth_sp_betw	0.38	0.21	0.67	-0.11	-0.32	-0.03	-0.06	-0.1	-0.05	-0.1	0.14	0.03	-0.21	0.14	0.03	-0.21	0.87	1	-0.91	0.87	1	
22 oth_sp_bon	-0.34	-0.15	-0.55	0.11	0.34	0.11	0.05	0.1	0.05	0.11	-0.17	-0.03	0.23	-0.17	-0.03	0.28	-0.96	-0.87	0.98	-0.96	-0.87	1

Table 19: OLS regressions with centrality measures, robust se

	Dependent variable:							
	won_board_ind							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
log_act_s_clos	−0.1069	−0.1401						
	t = −0.9581	t = −1.1016						
log_top20_s_clos	0.0706	0.0654						
	t = 2.9220***	t = 1.7191*						
exit_s_board		−0.1752		−0.1413		−0.1737		−0.1346
		t = −0.8441		t = −0.6869		t = −0.8379		t = −0.6709
exit_s_proxy		−0.1401		−0.1426		−0.1414		−0.1395
		t = −1.4206		t = −1.4947		t = −1.3980		t = −1.5109
poison_pill		0.0537		0.0470		0.0590		0.0450
		t = 0.7690		t = 0.6374		t = 0.9445		t = 0.6618
mtb		0.0085		0.0085		0.0084		0.0086
		t = 3.6265***		t = 3.3832***		t = 3.7321***		t = 3.3669***
log_act_s_betw			−0.2209	−0.2645				
			t = −2.0914**	t = −2.3305**				
log_top20_s_betw			0.0592	0.0515				
			t = 3.7163***	t = 1.9519*				
log_act_sp_clos					−0.0947	−0.1313		
					t = −0.8705	t = −1.0570		
log_top20_sp_clos					0.0854	0.0791		
					t = 3.0506***	t = 1.7190*		
log_act_sp_betw							−0.2215	−0.2626
							t = −2.1471**	t = −2.3819**
log_top20_sp_betw							0.0803	0.0683
							t = 3.8341***	t = 2.5116**
Constant	0.7536	0.8105	0.7374	0.7935	0.7461	0.8009	0.7394	0.7919
	t = 17.5521***	t = 6.6529***	t = 15.5767***	t = 6.8597***	t = 17.9234***	t = 6.8460***	t = 16.1124***	t = 7.2386***
Observations	198	174	198	174	198	174	198	174
R^2	0.0380	0.0953	0.0518	0.1121	0.0302	0.0892	0.0586	0.1157
Adjusted R^2	0.0281	0.0628	0.0421	0.0802	0.0202	0.0565	0.0489	0.0839

Notes: OLS regression of the equation $Y = \alpha + \beta x + \gamma \bar{x} + controls + \epsilon$.The regressions are run using the centrality measures to proxy for persuasiveness of an activist. Centrality is a characteristic of a node that captures the importance of the node position in a network. I use three centrality measures for this analysis. Closeness centrality shows how close each node to any other node. Betweennes centrality captures how well situated a node is in terms of the paths that it lies on. Degree centrality, is defined a the number of links incident to a node. Bonacich centrality is a degree centrality adjusted for the centrality of the neighbours in a network. The centrality measures were computed for both Simple and Spring networks. (By construction, centrality measures for Simple network are identical to the centrality measures of Number of Connections network.) After that I aggregated the centrality measures for each campaign. That is, *act_simple_closeness* is a sum of closeness centralities of every active activist participating in a campaign, and *oth_simple_closeness* is a sum of closeness centralities of every passive activist that invested in the company but does not participate in a campaign. Robust standard errors in parenthesis.

Table 20: OLS regressions with centrality measures, robust se

	Dependent variable:							
	success_of_stated_obj							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
log_act_s_clos	−0.1492	−0.1094						
	t = −1.2444	t = −1.0022						
log_top20_s_clos	0.2202	0.2149						
	t = 7.1716***	t = 7.6006***						
exit_s_board		−0.1148		−0.1021		−0.1381		−0.1030
		t = −2.1212**		t = −2.0415**		t = −2.2145**		t = −2.8009***
exit_s_proxy		0.0682		0.0674		0.0439		0.0604
		t = 1.8967*		t = 2.1555**		t = 1.9922**		t = 2.0713**
poison_pill		−0.0702		−0.0709		−0.0523		−0.0547
		t = −1.8523*		t = −1.7215*		t = −1.2679		t = −1.6298
mtb		0.0002		0.0001		0.0003		0.0003
		t = 0.1761		t = 0.0920		t = 0.2731		t = 0.2458
log_act_s_betw			−0.1677	−0.1378				
			t = −1.5949	t = −1.3400				
log_top20_s_betw			0.1941	0.1940				
			t = 12.4686***	t = 14.2617***				
log_act_sp_clos					−0.1232	−0.0849		
					t = −1.2246	t = −0.9603		
log_top20_sp_clos					0.2660	0.2574		
					t = 6.3444***	t = 6.6933***		
log_act_sp_betw							−0.1682	−0.1379
							t = −1.6337	t = −1.4524
log_top20_sp_betw							0.2388	0.2369
							t = 16.1955***	t = 21.8581***
Constant	0.6093	0.6041	0.6091	0.6039	0.5984	0.5943	0.6060	0.5934
	t = 13.8738***	t = 13.7289***	t = 14.5318***	t = 15.0062***	t = 13.4386***	t = 12.9781***	t = 16.5303***	t = 16.9063***
Observations	362	322	362	322	362	322	362	322
R^2	0.3078	0.3197	0.3198	0.3350	0.2722	0.2894	0.3155	0.3329
Adjusted R^2	0.3039	0.3067	0.3160	0.3224	0.2681	0.2759	0.3117	0.3202

Notes: OLS regression of the equation $Y = \alpha + \beta x + \gamma \bar{x} + controls + \epsilon$.The regressions are run using the centrality measures to proxy for persuasiveness of an activist. Centrality is a characteristic of a node that captures the importance of the node position in a network. I use three centrality measures for this analysis. Closeness centrality shows how close each node to any other node. Betweennes centrality captures how well situated a node is in terms of the paths that it lies on. Degree centrality, is defined a the number of links incident to a node. Bonacich centrality is a degree centrality adjusted for the centrality of the neighbours in a network. The centrality measures were computed for both Simple and Spring networks. (By construction, centrality measures for Simple network are identical to the centrality measures of Number of Connections network.) After that I aggregated the centrality measures for each campaign. That is, *act_simple_closeness* is a sum of closeness centralities of every active activist participating in a campaign, and *oth_simple_closeness* is a sum of closeness centralities of every passive activist that invested in the company but does not participate in a campaign. Robust standard errors in parenthesis.

Table 21: OLS regressions with robust standard errors, clustered by campaign type. Each regression contains firm level controls.

	Dependent variable:							
	success_of_stated_obj							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
top20_number	0.0188 t = 24.1253***							
log_act_num_con		0.0816 t = 5.9256***						
log_top20_share_nw_s			0.0165 t = 1.2466					
log_top20_share_nw_spr				0.0237 t = 2.4138**				
log_top20_w_norm_s					0.0782 t = 7.4885***			
log_top20_w_norm_spr						0.0987 t = 2.3909**		
log_top20_w_sd_s							0.0541 t = 2.7645***	
log_top20_w_sd_spr								0.0810 t = 2.3934**
exit_s_board	−0.1328 t = −0.9499	−0.2534 t = −0.7100	−0.4191 t = −1.1399	−0.4456 t = −1.2399	−0.2033 t = −1.6813*	−0.1817 t = −1.2940	−0.4252 t = −2.8628***	−0.3405 t = −2.7683***
exit_s_proxy	0.1619 t = 2.1351**	0.2056 t = 1.1553	0.2159 t = 1.0849	0.2075 t = 1.0480	−0.1706 t = −1.2981	−0.3457 t = −2.2116**	0.1148 t = 0.5956	−0.1001 t = −0.9440
log(active.activist.share)	−0.0086 t = −1.0006	−0.0208 t = −1.1549	−0.0491 t = −2.6252***	−0.0589 t = −3.1400***				
log_active.activist_norm_weight					0.1451 t = 0.8083	0.3226 t = 1.6134		
log_active.activist_sd_weight							−0.0092 t = −0.1092	0.0739 t = 1.0937
poison_pill	0.0207 t = 0.8055	0.0109 t = 0.1812	0.0970 t = 1.6010	0.0957 t = 1.5903	−0.0312 t = −0.5090	0.0161 t = 0.2501	−0.0187 t = −0.2751	0.0517 t = 0.7758
log(size)	−0.0071 t = −0.8998	0.0119 t = 0.6474	0.0275 t = 1.3508	0.0176 t = 0.8286	−0.0238 t = −1.4456	−0.0165 t = −0.9387	−0.0203 t = −1.0480	−0.0158 t = −0.7991
exit_s_board:log(active.activist.share)	−0.0219 t = −1.4915	−0.0265 t = −0.6798	−0.0051 t = −0.1315	−0.0032 t = −0.0839				
exit_s_proxy:log(active.activist.share)	−0.0155 t = −2.0697**	−0.0209 t = −1.0420	−0.0298 t = −1.2962	−0.0278 t = −1.2110				
exit_s_board:log_active.activist_norm_weight					−0.4580 t = −1.7059*	−0.4671 t = −1.6116		
exit_s_proxy:log_active.activist_norm_weight					0.4044 t = 1.7228*	0.5521 t = 1.9973**		
exit_s_board:log_active.activist_sd_weight							−0.0278 t = −0.3185	−0.1047 t = −1.4422
exit_s_proxy:log_active.activist_sd_weight							−0.0225 t = −0.1490	0.0483 t = 0.5034
Constant	0.0692 t = 0.4142	−0.1542 t = −0.7557	0.4771 t = 2.4639**	0.6993 t = 4.4564***	0.1901 t = 1.3796	0.4507 t = 2.7258***	0.3346 t = 1.5225	0.4891 t = 3.2027***
Observations	298	298	297	297	298	298	244	294
R^2	0.3414	0.2867	0.1811	0.1891	0.3018	0.1806	0.1447	0.1465
Adjusted R^2	0.3161	0.2592	0.1495	0.1578	0.2749	0.1490	0.1041	0.1132

Notes:

Table 22: OLS regressions with robust standard errors, clustered by campaign type

	Dependent variable:							
	success_of_stated_obj							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
log_act_num_con		0.2371 t = 1.7932*						
top20_number	0.1088 t = 19.6956***	0.0867 t = 4.6813***						
log_top20_share_nw_s			0.0925 t = 1.3247					
log_top20_share_nw_spr				0.1312 t = 2.4064**				
log_top20_w_norm_s					0.4613 t = 5.5882***			
log_top20_w_norm_spr						0.4901 t = 1.9896**		
log_top20_w_sd_s							0.2664 t = 2.4576**	
log_top20_w_sd_spr								0.4427 t = 2.1824**
exit_s_board	0.3000 t = 0.6338	0.5731 t = 0.2415	−0.6577 t = −0.2342	−0.7275 t = −0.2623	−1.6937 t = −1.4346	−1.5351 t = −1.3127	−2.2439 t = −2.4109**	−2.0148 t = −2.1433**
exit_s_proxy	0.8010 t = 2.2363**	0.8091 t = 0.7466	1.1965 t = 1.0789	1.1404 t = 1.0333	−1.3180 t = −1.2080	−1.9586 t = −2.0263**	0.5360 t = 0.5688	−0.4367 t = −0.8329
log(active.activist.share)	−0.0605 t = −1.3160	−0.0495 t = −0.4740	−0.2245 t = −2.4109**	−0.2829 t = −2.8472***				
log_active.activist_norm_weight					0.5762 t = 0.5814	1.3060 t = 1.4569		
log_active.activist_sd_weight							−0.0518 t = −0.1291	0.3026 t = 0.9318
poison_pill	0.1816 t = 1.6102	0.0764 t = 0.2303	0.4136 t = 1.4424	0.4149 t = 1.4446	−0.2259 t = −0.6749	0.0495 t = 0.1645	−0.1080 t = −0.3349	0.1871 t = 0.6081
age	−0.0176 t = −1.0914	−0.0137 t = −1.0978	−0.0063 t = −0.5906	−0.0058 t = −0.5416	−0.0064 t = −0.5120	−0.0093 t = −0.8362	−0.0079 t = −0.6843	−0.0042 t = −0.3902
log(size)	−0.0007 t = −0.0139	−0.0014 t = −0.0126	0.1373 t = 1.3359	0.0863 t = 0.7988	−0.1104 t = −1.1718	−0.0840 t = −0.9234	−0.0950 t = −1.0277	−0.0917 t = −0.9358
leverage	−0.0581 t = −0.7220	−0.0629 t = −0.6980	−0.0705 t = −0.7172	−0.0765 t = −0.7662	−0.0540 t = −0.5697	−0.0485 t = −0.5046	−0.0580 t = −0.5666	−0.0676 t = −0.7342
mtb	0.0266 t = 1.0694	0.0274 t = 0.9379	0.0272 t = 0.8563	0.0300 t = 0.9297	0.0184 t = 0.5834	0.0156 t = 0.4628	0.0203 t = 0.5958	0.0216 t = 0.6801
exit_s_board:log(active.activist.share)	−0.3469 t = −3.2424***	−0.4324 t = −1.3306	−0.2945 t = −0.7728	−0.3034 t = −0.7898				
exit_s_proxy:log(active.activist.share)	−0.0746 t = −2.1245**	−0.0658 t = −0.4771	−0.1597 t = −1.2481	−0.1477 t = −1.1543				
exit_s_board:log_active.activist_norm_weight					−1.9474 t = −0.9155	−1.3143 t = −0.6152		
exit_s_proxy:log_active.activist_norm_weight					2.7696 t = 1.5461	3.1055 t = 1.9306*		
exit_s_board:log_active.activist_sd_weight							−0.0517 t = −0.1139	−0.4157 t = −1.0449
exit_s_proxy:log_active.activist_sd_weight							−0.1067 t = −0.1425	0.2153 t = 0.4461
Constant	−2.8346 t = −3.6299***	−4.5098 t = −3.2702***	−0.4364 t = −0.4354	0.8008 t = 1.0731	−2.0130 t = −2.1929**	−0.0845 t = −0.1070	−0.9068 t = −0.7879	0.0569 t = 0.0792
Observations	298	298	297	297	298	298	244	294
Log Likelihood	−144.9425	−142.3253	−174.8748	−173.2753	−152.7299	−176.3449	−146.5971	−179.5623
Akaike Inf. Crit.	313.8849	310.6506	373.7495	370.5505	329.4598	376.6898	317.1943	383.1246

Notes:

Table 23: OLS regressions with centrality measures, robust se

	Dependent variable:			
	success_of_stated_obj			
	(1)	(2)	(3)	(4)
oth_s_clos	0.1114			
	t = 2.0063**			
oth_s_betw		0.1377		
		t = 3.5114***		
oth_sp_clos			0.1114	
			t = 2.0063**	
oth_sp_betw				0.1377
				t = 3.5114***
log_top20_w_norm_spr	0.0569	0.0435	0.0569	0.0435
	t = 1.3478	t = 1.0974	t = 1.3478	t = 1.0974
exit_s_board	−0.2870	−0.2471	−0.2870	−0.2471
	t = −2.7128***	t = −2.4266**	t = −2.7128***	t = −2.4266**
exit_s_proxy	−0.0102	0.0082	−0.0102	0.0082
	t = −0.1702	t = 0.1402	t = −0.1702	t = 0.1402
log_active.activist_norm_weight	0.3504	0.3332	0.3504	0.3332
	t = 2.5979***	t = 2.5643**	t = 2.5979***	t = 2.5643**
poison_pill	0.0229	0.0292	0.0229	0.0292
	t = 0.3556	t = 0.4617	t = 0.3556	t = 0.4617
age	−0.0016	−0.0021	−0.0016	−0.0021
	t = −0.7100	t = −0.9479	t = −0.7100	t = −0.9479
log(size)	0.0045	0.0052	0.0045	0.0052
	t = 0.2647	t = 0.3122	t = 0.2647	t = 0.3122
leverage	−0.0153	−0.0125	−0.0153	−0.0125
	t = −0.7459	t = −0.6115	t = −0.7459	t = −0.6115
mtb	0.0049	0.0041	0.0049	0.0041
	t = 0.6913	t = 0.5753	t = 0.6913	t = 0.5753
short_term	−0.0050	0.0094	−0.0050	0.0094
	t = −0.0793	t = 0.1581	t = −0.0793	t = 0.1581
Constant	0.2850	0.2885	0.2850	0.2885
	t = 2.2597**	t = 2.2972**	t = 2.2597**	t = 2.2972**
Observations	298	298	298	298
R^2	0.1999	0.2227	0.1999	0.2227
Adjusted R^2	0.1691	0.1928	0.1691	0.1928
Note:				*p<0.1; **p<0.05; ***p<0.01