ONLINE APPENDIX

Appendix A: Database Construction Procedures, Summary Statistics, Correlation Matrix, PSM Tests, and Control Variables

Database Construction Procedures

To obtain unique identifiers for entrepreneurs/firms in the Chinese Private Entrepreneurs Survey (CPES) Data from the Chinese Academy of Social Science (CASS), one approach is to use initial conditions and other fixed characteristics. Same firms have identical values for these variables, and this facilitates identifying the common firms over time. These identifying variables include founding conditions such as initial sources of funding, initial financial indicators (e.g., total assets, sales, registered capital, taxes, and fees), and initial employee makeup (e.g., number of technicians, managers, and workers), all of which are reported in different survey waves. This approach has been confirmed by data providers as an accurate way to identify firms and has been used by other researchers. These are the basic steps of this procedure:

- 1. Assuming a researcher is working from the individual raw data files for each year, s/he would first need to clean these files, particularly making variable names consistent. Generating a codebook to indicate the common names and available years of each variable is a helpful first step. The researcher needs to attend to this closely as order of questions, naming conventions, and other details in the survey questionnaires were not consistent over time. Generate the line number of each firm in the original dataset, and this will be the year-ID of that firm in that year. After this, the researcher can pool the original datasets together to get a full sample encompassing all the available years.
- 2. To get the dictionary linking year, year-IDs and the unique-IDs, merge pairs of datasets from survey waves by relying on the codebook generated from the step above, which provides availability of these identifying variables. For instance, the researcher can start by matching 1993 and 1995 data with the available identifying variables, e.g., initial investments variables. Then 1993 with 1997, 2000, 2002, and so on; 1995 with 1997, 2000, 2002, and so on; 1997 with 2000, 2002, and so on; and so on. For each pair of two waves, select the generic identifying variables that are available—such as initial sources of funding—first, and if there are too many missing values and/or inconsistencies (e.g., in terms of rounding and other reporting errors), then use other identifying variables to match the two waves. Due to different sources of inconsistency such as input or reporting errors, frequently manual inspection and human judgment is necessary to determine whether the two observations indeed match. This step results in pairs of matches of year-IDs, e.g., IDs in 1993 to be linked to IDs in 1995.

- 3. Regarding the unique-IDs, the researcher can set 1993 as the benchmark and begin with that year, then unique-IDs would be equal to the year-IDs or the line number in that year—1993 in this example. Find out which lines can be matched with 1993's lines in the 1995 dataset and add that corresponding unique-ID to the year-ID in 1995. Continue in this fashion, add unique-IDs for the 1997 to 2012 data. Then continue year by year and assign unique-IDs to the unmatched data. For instance, if the first unmatched line in 1995 is line (year-ID) 4, continue numbering that line based on the next number in the unique-ID sequence. For example, if the largest unique-ID number for 1993 is 1000, then assign 1001 to the line 4 of 1995 and continue until every unmatched line has a unique-ID. Then use the unmatched 1995 lines with the newly assigned unique-IDs to match 1997, 2000, and so on, continuing in this fashion to get a year-ID-line dictionary. Note that the researcher would need to cross-check the match over time after the series of dyadic matches, i.e., if line 5 in 1995 and line 9 in 1997 are both matched to line 3 in 1993, then the first two should be identical in other identifying variables—if available. Again, this process involves manual inspection and human judgment in case of different sources of inconsistency such as rounding issues of decimal places (sometimes different waves report different decimal levels), missing values (and thus need other identifying variables), and potential input or reporting errors.
- 4. Finally, generate a dataset containing year-ID-line for all years by pooling them together. Then merge the pooled year-ID-line with the entire sample (from step 1) to create an overall database that includes unique identifiers.

Table A1. Summary Statistics and Correlation Matrix (N = 19,729)*

Variable	Mean	S.D.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1. Inward internationalization (0/1)	.15	.36															
2. Inward internationalization (foreign investment/total)	.03	.06	.99														
3. Outward internationalization (0/1)	.12	.32	.23	.26													
. Outward internationalization (overseas assets/total)	.02	.06	.26	.30	.95												
. Ideological imprint	.25	.43	08	08	06	09											
. Political involvement	.42	.49	.04	.06	.08	.10	03										
. Government appropriation	.14	.09	.05	.06	.04	.05	.01	01									
. Social network	.71	.46	.11	.11	.09	.09	.23	.18	01								
. Post 2001	.69	.46	.12	.13	.17	.17	.13	32	.02	34							
0. Regional FDI intensity	.56	.40	01	.00	01	.01	.00	.04	.00	.06	18						
1. Age	45.35	8.84	02	01	.01	.01	01	.02	.01	08	.16	05					
2. Educational attainment	.28	.45	.00	.00	01	01	02	.11	01	05	13	01	03				
3. Current communist ideology	.44	.50	.24	.24	.25	.27	.43	21	.01	.14	.55	09	.08	09			
4. Foreign experience	.29	.45	.11	.12	.09	.10	.23	.13	.00	.20	.04	.00	02	01	.17		
5. Government work experience	.29	.49	.03	.03	.03	.04	.03	.04	.00	27	.19	04	.02	.07	.05	.23	
6. Firm size	3.68	1.65	.03	.03	.05	.05	.00	.17	.00	05	.05	01	.11	.02	.01	03	.0
7. Financial leverage	.10	.20	.05	.09	.05	.03	.00	.03	01	.13	.05	.01	.04	01	.14	.13	0
8. Firm age	7.52	5.68	.09	.09	.08	.08	08	24	.01	36	.65	17	.04	01 04	.33	13	0
9. Industry average (inward internationalization 0/1)	.15	.07	.09	.18	.13	.12	08	24 26	.01	30	.05	.00	03	10 10	.55	.23	0
0. Industry average (inward internationalization of 1)	.03	.07	.19	.18	.14	.14	.33	20 24	.01	.31	.31	01	03 03	10 10	.50	.23	0 0
1. Industry average (outward internationalization, continuous)	.14	.01	.18	.10	.23	.22	.25	24	.01	.04	.73	18	.10	08	.65	.10	0
2. Industry average (outward internationalization 0/1)	.02	.05	.18	.19	.23	.15	.23	18	.01	.38	.75	03	04	10	.56	.33	0
3. Manufacturing firm	.02 .47	.50	.00	01	01	01	.40	18 11	.01	.38	.34 02	03	04 .01	10 07	.06	.33 30	0
4. Poor Internet coverage	.47	.02	00	01 01	01	01	.02	11	.00	.05 06	02	.03	.01	07	05	30	0
6		.02	01	01	05	03	.00	.03 04	.00	00	.00	.04 01	.01	02	05	.03 05	.0. 0
5. Density of CPC membership	.06	.01	.00	.00	.01	.02	.01 06	04 29	.01			01 .14				05 16	0
6. GDP per capita (logged) 7. Deputting growth	9.65		03			.11 07	06 .09		.01	36 .39	.64	.14	.16	05	.25 10		
7. Population growth	4.54	3.65 2.45	02	02	08			.16			43 .60		12	01		.12	1 .0
8. Institutional development	6.96			.08	.12	.12	.01	28	.01	22		.26	.13	09	.31	09	
9. R&D investment (0/1)	.57	.50	.15	.15	.18	.20	.26	25	.01	05	.67	11	.03	12	.63	.01	.2
0. Firm performance	.14	.28	07	07	09	08	12	.07	.00	04	22	.09	06	.01	21	19	1:
1. Industry competitiveness	.91	.22	.08	.09	.11	.10	04	14	.01	15	.46	06	.11	02	.29	30	2
2. Industry growth	.00	.05	.00	.00	.00	.00	.00	.01	.00	.00	.00	01	.00	.00	.00	01	.0
ariable	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
7. Financial leverage	.05	0.0															
8. Firm age	.08	.00	0.0														
9. Industry average (inward internationalization 0/1)	08	.15	.08														
). Industry average (inward internationalization, continuous)	08	.16	.07	.99													
1. Industry average (outward internationalization 0/1)	.02	.12	.51	.63	.64												
2. Industry average (outward internationalization, continuous)	07	.13	.04	.92	.93	.66											
3. Manufacturing firm	.03	07	.05	.02	02	02	08										
4. Poor Internet coverage	01	02	05	03	03	06	03	03									
5. Density of CPC membership	.02	03	.07	.02	.02	.08	.04	.03	05								
6. GDP per capita (logged)	.03	06	.62	.04	.03	.43	.02	.09	06	.05							
7. Population growth	04	.08	47	.08	.09	27	.10	04	01	06	68						
8. Institutional development	.02	03	.50	.16	.15	.42	.14	.12	04	.03	.66	51					
9. R&D investment (0/1)	.01	.07	.45	.47	.47	.67	.51	.06	05	.12	.39	19	.39				
0. Firm performance	06	.10	21	22	22	31	23	04	.01	01	19	.16	15	20			
1. Industry competitiveness	.04	.10	.35	.18	.17	.43	.17	19	03	.06	.26	17	.26	.35	.07		
2. Industry growth	.01	01	.00	02	02	.00	01	01	01	.01	.01	.00	.00	.00	.00	03	
Pearson correlation tests are used if both variables are cont														· · · · · · ·			1

	Pre-match	Pre- versus Post-match	Bias	(%)
	1	2	3	4
Variable	Results	<i>p</i> -value of differences	Reduction	Post-match
Age	.000	.106 versus .398	38.6	1.7
	(.001)			
Educational attainment	.129**	.001 versus .012	10.5	4.9
	(.026)			
Current communist ideology	1.803"	.000 versus .027	96.4	4.
	(.043)			
Foreign experience	.219"	.000 versus .269	95.5	-2.4
	(.033)			
Government work experience	056*	.000 versus .000	-70.4	11.7
	(.027)			
Firm size	.015	.813 versus .267	-490.6	2.3
	(.007)			
Financial leverage	180**	.000 versus .250	79.2	-2.:
C	(.056)			
Firm age	085**	.000 versus .087	84.7	2.
-	(.003)			
Manufacturing firm	.067*	.024 versus .001	-88.1	
-	(.029)			
Poor Internet coverage	010	.727 versus .985	92.9	
-	(.733)			
Density of CPC membership	-1.695	.207 versus .996	99.5	
	(1.724)			
GDP per capita (logged)	291"	.000 versus .260	86.6	
	(.035)			
Population growth	008^{+}	.000 versus .112	85.6	-3
	(.004)			
Institutional quality	.030**	.087 versus .756	79.4	
	(.010)			
R&D investment $(0/1)$.350**	.000 versus .001	90.3	6.1
	(.041)			
Firm performance (return on assets)	199**	.000 versus .722	98.1	
	(.050)			
Industry competitiveness	870**	.000 versus .008	-19.3	9.2
	(.068)			
Industry growth	.027	.940 versus .434	-1007.4	1.4
	(.223)		Pre-matching	Post-matching
Number of observations	19,730	Mean bias (%)	19.9	3.:
Goodness of fit (pseudo R ²)	.280	Pseudo R^2	.280	.00
$p < .10; \bullet p < .05; \bullet p < .01;$ intercept not			-	

Table A2. Probit Regression Results, Pre- and Post-match Differences, and Percentage Bias Reduction

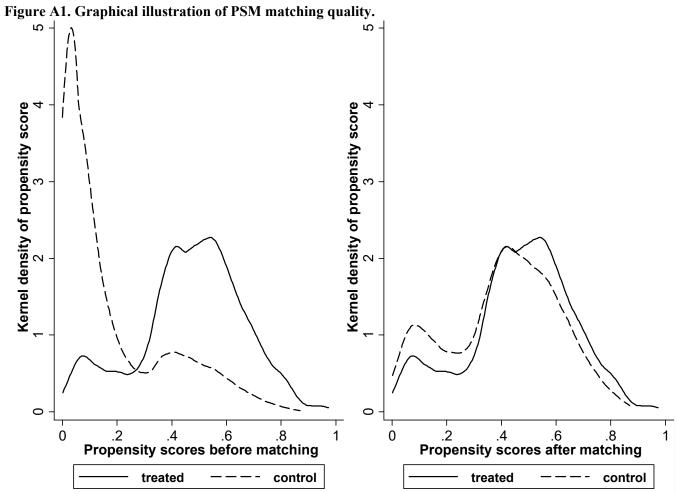


Table A3a. Results of Control Variables in Table 2*

Variable	1	2	3	4	5	6	7	8
Panel A: First-stag	e results of He	eckman (rar	ndom effects	s probit) aft	er PSM			
Age	009"	010**	010**	010"	010**	010**	010**	010**
	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)
Educational attainment	.073"	.066**	.069"	.065"	.072**	.063	.066**	.077**
	(.024)	(.025)	(.025)	(.025)	(.025)	(.025)	(.025)	(.025)
Current communist ideology	.522"	.551"	.531"	.550"	.583"	.536**	.551"	.537**
	(.032)	(.034)	(.034)	(.034)	(.034)	(.034)	(.034)	(.035)
Government work experience	.298"	.248**	.240**	.248"	.235"	.261"	.247**	.232**
	(.030)	(.034)	(.034)	(.034)	(.034)	(.034)	(.034)	(.035)
Foreign experience	.107"	.184**	.170**	.182"	.184**	.196**	.183"	.171**
	(.026)	(.027)	(.027)	(.027)	(.027)	(.027)	(.027)	(.028)
Firm size	.026"	.015	.013	.014	.015	.016	.015	.013+
	(.006)	(.007)	(.007)	(.007)	(.007)	(.007)	(.007)	(.007)
Financial leverage	.424"	.360"	.353"	.359"	.351"	.358"	.359"	.327**
-	(.050)	(.051)	(.051)	(.051)	(.051)	(.051)	(.051)	(.052)
Firm age	.015"	.025"	.027**	.026**	.021"	.026**	.025"	.025"
-	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)
Manufacturing firm	.178**	.179	.184**	.175**	.179	.178**	.179	.182**
	(.027)	(.028)	(.028)	(.028)	(.028)	(.028)	(.028)	(.028)
Industry average (for corresponding dependent variable)	2.074"	2.082	2.241	2.058	2.022	2.207	2.080	2.460
	(.227)	(.241)	(.242)	(.242)	(.242)	(.243)	(.241)	(.248)
Poor Internet coverage	446	208	107	239	205	129	174	.104
	(.713)	(.729)	(.732)	(.730)	(.731)	(.730)	(.729)	(.737)
Density of CPC membership	-3.423	-4.518 ^{••}	-4.749 ^{••}	-4.373 ^{••}	-4.467 ^{••}	-4.170 [•]	-4.603	-4.283
	(1.612)	(1.651)	(1.657)	(1.654)	(1.653)	(1.653)	(1.653)	(1.669)
GDP per capita (logged)	077•	006	008	012	023	.009	003	007
	(.033)	(.035)	(.035)	(.035)	(.035)	(.035)	(.035)	(.035)
Population growth	005	011	011	011 ^{••}	012**	010	010	011
	(.004)	(.004)	(.004)	(.004)	(.004)	(.004)	(.004)	(.004)
Institutional development	.006	007	007	006	009	008	009	013
1	(.009)	(.010)	(.010)	(.010)	(.010)	(.010)	(.010)	(.010)
R&D investment (0/1)	152	024	055	019	016	040	024	081 ⁺
	(.036)	(.047)	(.047)	(.047)	(.046)	(.047)	(.047)	(.046)
Firm performance (return on assets)	171 °	144"	146**	145"	154"	152"	142"	170"
1 (/	(.050)	(.052)	(.051)	(.051)	(.052)	(.052)	(.051)	(.052)
Industry competitiveness	.504"	.588"	.608"	.587"	.582"	.499"	.590"	.473"
J	(.078)	(.084)	(.084)	(.084)	(.084)	(.084)	(.084)	(.085)
Industry growth	.054	.030	.031	024	.033	.009	.033	072
	(.269)	(.273)	(.278)	(.282)	(.275)	(.276)	(.273)	(.300)

Panel B: Secor	nd-stage results	<u>of Heckman</u>	(random ef	fects) after 1	PSM			
Age	.001"	.001"	.001"	.001"	.001"	.001"	.001"	000**
-	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)
Educational attainment	007**	008**	008**	008"	008**	008**	008**	.000
	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)
Current communist ideology	036**	049**	048**	047"	047**	049**	047**	.003"
	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)
Government work experience	014**	014**	014**	014"	014**	014**	014**	.000
	(.001)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)
Foreign experience	003**	011**	011"	010**	011**	011**	011"	.000
	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)
Firm size	001	001	001	001**	001**	001	001	.000
	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)
Financial leverage	019**	027**	026**	025"	026**	027**	026**	000
C	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)
Firm age	001**	002**	002**	002"	002**	002**	002**	.000
0	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)
Manufacturing firm	011 ^{••}	012	012	012 ^{••}	011	012**	012	.000
C C	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)
Industry average (for corresponding dependent variable)	896**	-1.239	-1.230	-1.207**	-1.198	-1.240**	-1.205	026
	(.025)	(.022)	(.022)	(.022)	(.022)	(.022)	(.021)	(.020)
Poor Internet coverage	017	034	034**	035"	034**	034**	025**	004
C	(.013)	(.009)	(.009)	(.009)	(.009)	(.009)	(.009)	(.005)
Density of CPC membership	.279 .	.366	.361.	.359	.359.	.366.	.353 ^{••}	009
· ·	(.029)	(.021)	(.021)	(.020)	(.020)	(.021)	(.020)	(.013)
GDP per capita (logged)	.005"	.001	.001	.001	.001	.001	.001	001 [•]
	(.001)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)
Population growth	.001	.001	.001.	.001	.001.	.001	.001.	.000
	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)
Institutional development	.001"	.001"	.001"	.001"	.001"	.001"	.001"	.000**
1 I	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)

⁺ p < .10; • p < .05; • p < .01; intercept not reported to save space. * 17,934/2,785 out of 19,729/3,011 observations are retained for the PSM analysis.

Table A3b. Results of Control Variables in Table 3*

Variable	1	2	3	4	5	6	7	8
Panel A: First-sta		ckman (ran	dom effects	probit) afte	r PSM			
Age	005**	006**	006**	006**	006**	006**	006**	006**
	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)
Educational attainment	.072**	$.052^{+}$.062	$.052^{+}$.055	.054*	$.051^{+}$.079**
	(.027)	(.028)	(.028)	(.028)	(.028)	(.028)	(.028)	(.029)
Current communist ideology	.517"	.609**	.526"	.609"	.645**	.598"	.600"	.526"
	(.034)	(.036)	(.037)	(.037)	(.037)	(.037)	(.036)	(.037)
Government work experience	.292**	.213"	.200**	.214"	.202"	.219"	.212"	.192"
	(.033)	(.038)	(.039)	(.038)	(.039)	(.038)	(.038)	(.040)
Foreign experience	.094"	.175"	.155"	.172**	.175"	.172**	.165"	.120**
	(.028)	(.030)	(.031)	(.030)	(.030)	(.030)	(.031)	(.032)
Firm size	.032"	.015	.009	$.014^{+}$.015	.016	$.014^{+}$.009
	(.007)	(.007)	(.007)	(.007)	(.007)	(.007)	(.007)	(.008)
Financial leverage	.253"	.150**	.135	.148	.143	.144	.147•	.094
	(.056)	(.058)	(.059)	(.058)	(.058)	(.058)	(.058)	(.060)
Firm age	000	.016**	.020**	.017**	.012"	.017**	.017"	.018"
	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)
Manufacturing firm	.140**	.162**	.194"	.157**	.159"	.166**	.165"	.211"
-	(.029)	(.032)	(.032)	(.032)	(.032)	(.032)	(.032)	(.033)
Industry average (for corresponding dependent variable)	1.150	1.682	2.517	1.654	1.481	1.705	1.687"	2.561
	(.359)	(.387)	(.396)	(.388)	(.390)	(.388)	(.388)	(.407)
Poor Internet coverage	945	374	.124	392	399	361	233	.429
-	(.773)	(.807)	(.824)	(.808)	(.810)	(.807)	(.811)	(.839)
Density of CPC membership	-3.046^{+}	-4.059	-4.637	-3.874*	-3.850*	-3.981	-4.824"	-4.832**
	(1.706)	(1.786)	(1.819)	(1.793)	(1.790)	(1.787)	(1.804)	(1.860)
GDP per capita (logged)	035	.108.	.098	.101	.086•	.111 ^{••}	.128	.086•
	(.037)	(.039)	(.039)	(.039)	(.039)	(.039)	(.039)	(.040)
Population growth	014**	020**	021**	021**	021**	020**	018"	020**
	(.005)	(.005)	(.005)	(.005)	(.005)	(.005)	(.005)	(.005)
Institutional development	.005	007	002	005	007	007	013	008
•	(.010)	(.011)	(.011)	(.011)	(.011)	(.011)	(.011)	(.012)
R&D investment (0/1)	093*	.190**	.071	.197**	.193**	.189"	.200"	.072
	(.040)	(.052)	(.051)	(.052)	(.051)	(.052)	(.052)	(.051)
Firm performance (return on assets)	309**	190 [•]	226**	196	197**	188	179	234
	(.071)	(.076)	(.077)	(.076)	(.076)	(.076)	(.076)	(.079)
Industry competitiveness	.236	1.279	1.493	1.282	1.250	1.282	1.267	1.535
	(.154)	(.201)	(.212)	(.202)	(.199)	(.204)	(.200)	(.224)
Industry growth	286	221	238	273	227	223	223	352
	(.325)	(.325)	(.341)	(.327)	(.327)	(.325)	(.326)	(.346)
Inward internationalization [†]	2.220"	.448	.513	.439	.180	.461	.492	.196
	(.649)	(.693)	(.709)	(.697)	(.699)	(.693)	(.704)	(.734)

Panel B: Secon	d-stage results o	of Heckman	(random eff	fects) after l	PSM			
Age	000**	000^{+}	000*	000*	000^{+}	000*	000*	001"
-	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)
Educational attainment	011**	009"	009**	009**	009**	009**	009**	001
	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)
Current communist ideology	.022**	.011"	.016"	.012**	.012"	.011"	.012"	.067**
	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.005)
Government work experience	016**	024**	022**	024**	023**	024**	024**	006*
	(.002)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)
Foreign experience	.002	011**	010**	011**	011**	011**	011**	001
	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)
Firm size	000	001	000	001	001	001	001	.001
	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)
Financial leverage	002	002	002	002	002	002	002	.004
	(.004)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)
Firm age	000	001**	001**	001**	002**	001**	001**	.000
	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)
Manufacturing firm	011**	013"	012**	013**	013**	013**	013"	000
-	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)
Industry average (for corresponding dependent variable)	-1.336"	-1.725"	-1.597"	-1.714**	-1.712**	-1.716**	-1.710**	381
	(.117)	(.134)	(.139)	(.134)	(.134)	(.134)	(.134)	(.157)
Poor Internet coverage	048	038	034	038	043	039	036	024
	(.052)	(.050)	(.050)	(.050)	(.050)	(.050)	(.050)	(.048)
Density of CPC membership	.408**	.533"	.481**	.531**	.534"	.532**	.522**	.017
	(.113)	(.109)	(.110)	(.109)	(.109)	(.109)	(.110)	(.111)
GDP per capita (logged)	.007**	005^{+}	004	005^{+}	005^{+}	005^{+}	004^{+}	.003
	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)
Population growth	.001	.001"	.001	.001**	.001**	.001	.001**	001**
	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)	(.000)
Institutional development	001 [•]	002**	002**	002**	002	002**	002**	002**
•	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)
Inward internationalization [†]	017	.058	.063	.059	.034	.059	.063	.029
	(.049)	(.046)	(.046)	(.046)	(.047)	(.046)	(.046)	(.046)

⁺ p < .05; [•] p < .05; ^{••} p < .01; intercept not reported to save space. ^{*} 14,604/2,178 out of 16,025/2,342 observations are retained for the PSM analysis. [†] Foreign investment over total assets was instrumented by presence of foreign concession, whose test results—the first-stage F-statistic is over 29 and above the critical value of 5-percent bias (24.06)—suggested they are not weak instruments.

Appendix B: Robustness Checks and Additional Analyses

Table B1a. Results from Heck Variable	1	2	3	4	5	6	7
Panel A: First-stage results of Hec	kman (random	effects probit)	; controls are t	he same as Pai	nel A of table A	-	
Ideological imprint (H1)	170**	338"	471**	996**	778**	261**	-3.017
8 1 ()	(.030)	(.037)	(.050)	(.119)	(.090)	(.050)	(.189
Political involvement	.310"	.192**	.306"	.328"	.309"	.309"	.158
	(.028)	(.032)	(.028)	(.028)	(.028)	(.028)	(.032
Government appropriation	.813"	.796**	.179	.821"	.825"	.814"	.169
	(.125)	(.125)	(.150)	(.125)	(.125)	(.125)	(.149
Social network	.367"	.395"	.368"	.255"	.348"	.368"	.240
	(.038)	(.038)	(.038)	(.041)	(.038)	(.038)	(.041
Post 2001	173	157 ·	170 ·	151	265"	168	257
	(.074)	(.073)	(.074)	(.074)	(.075)	(.074)	(.074
Regional FDI intensity	.016	.015	.018	.037	.008	022	02
icegional i Di intensity	(.038)	(.038)	(.038)	(.038)	(.038)	(.042)	(.041
Ideological imprint × Political	(.050)	.413"	(.050)	(.050)	(.050)	(.012)	.667
involvement (H2a)		(.053)					(.059
Ideological imprint × Government		(.055)	2.098"				2.352
appropriation (H2b)			(.275)				(.285
Ideological imprint × Social network			(.275)	.883"			1.178
(H3)				(.120)			(.128
Ideological imprint × Post 2001				(.120)	.705"		1.133
(H4a)					(.095)		
(II4a) Ideological imprint × Regional FDI					(.093)	.164	(.103 .291
						(.072)	
intensity (H4b) Number of observations	10.720	10 720	10 720	10 720	10 720	. ,	(.079
Goodness of fit (chi-squared)	19,729 1,482.43	19,729 1,539.91	19,729 1,531.15	19,729 1,525.93	19,729	19,729 1,487.55	19,72 1.686.9
Panel B: Second-stage results of He					1,486.45)
Inverse Mills ratio	115"	110"	112"		<u>–.115"</u>	112"	.003
inverse wins ratio	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.003
Ideological imprint (H1)	(.001) 006 **	(.001) 009 **	(.001) 011"	024"	(.001) 007 **	(.001) 014 **	315
ideological inipilit (H1)			(.001)		(.002)		
D = 1:4: = = 1 :	(.000)	(.001)		(.002)		(.001)	(.004
Political involvement	014"	015"	013**	013"	014"	013"	.00
C	(.000)	(.000)	(.000) 014 **	(.000)	(.000)	(.000)	(.000
Government appropriation	006"	002		003^{+}	006"	004	.00
G . 1 (1	(.002)	(.002)	(.002)	(.002)	(.002)	(.002)	(.001
Social network	022**	020**	021**	022**	022**	021"	.00
D (2001	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.000
Post 2001	.018"	.018"	.018"	.018"	.018"	.019"	.00
	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.001
Regional FDI intensity	.006**	.006"	.006**	.006**	.006**	.002"	.00
	(.001)	(.001)	(.001)	(.001)	(.001)	(.001)	(.000
Ideological imprint × Political		.007**					.058
involvement (H2a)		(.001)					(.001
Ideological imprint × Government			.031"				.220
appropriation (H2b)			(.004)				(.003
Ideological imprint × Social network				.019"			.119
(H3)				(.002)			(.002
Ideological imprint × Post 2001					.001		.116
(H4a)					(.002)		(.002
						.014"	.038
Ideological imprint × Regional FDI							
Ideological imprint × Regional FDI intensity (H4b)						(.001)	(.001
Ideological imprint × Regional FDI	3,011	3,011	3,011	3,011	3,011	(.001) 3,011	(.001 3,01

Table B1a. Results from Heckman Model: Inward Internationalization (1993–2012)

Variable	1	2	3	4	5	6	7
Panel A: First-stage results of Heck	man (random e	effects probit);	controls are th	e same as Pan		3b and not repo	
Ideological imprint (H1)	274 **	864 **	647 **	-1.353"	876 **	763 **	-5.564**
8	(.033)	(.046)	(.056)	(.161)	(.177)	(.062)	(.304)
Political involvement	.572"	.194"	.569"	.588"	.572"	.573"	.169"
	(.033)	(.038)	(.033)	(.033)	(.033)	(.033)	(.038)
Government appropriation	.644"	.603"	143	.658"	.648"	.652"	172
Government appropriation	(.140)	(.143)	(.169)	(.140)	(.140)	(.140)	(.167)
Social network	.452"	.534"	.454"	.333"	.448"	.463**	.370"
Social network	(.042)	(.042)	(.042)	(.044)	(.042)	(.042)	(.045)
Post 2001	(.042) 444 **	427 **	(.042) 440 **	(.044) 414 ''	(.042) 491 "	439 **	529"
1 05t 2001	(.085)	(.085)	(.086)	(.085)	(.086)	(.086)	(.087)
Regional FDI intensity	.089+	.080	.090+	.128	.087	167 **	138
Regional I DI Intensity							
	(.053)	(.054)	(.053)	(.053)	(.053)	(.060)	(.061)
Ideological imprint × Political		1.316"					1.686"
involvement (H2a)		(.063)	2 502"				(.070)
Ideological imprint × Government			2.592**				3.510"
appropriation (H2b)			(.305)	1 1 40.			(.346)
Ideological imprint × Social network				1.142"			1.826"
(H3)				(.163)	(a 1);		(.178)
Ideological imprint × Post 2001					.634"		1.762
(H4a)					(.180)		(.197)
Ideological imprint × Regional FDI						.885"	1.176*
intensity (H4b)						(.092)	(.105)
Number of observations	16,025	16,025	16,025	16,025	16,025	16,025	16,025
Goodness of fit (chi-squared)	1,262.74	1,690.39	1,323.28	1,301.50	1,258.02	1,335.89	1,862.58
Panel B: Second-stage results of Hec							
Inverse Mills ratio	086**	075 **	084 **	085**	084**	083"	.048**
	(.003)	(.004)	(.003)	(.003)	(.003)	(.003)	(.010)
Ideological imprint (H1)	005*	017 **	011 **	022	052**	013**	643**
	(.002)	(.005)	(.004)	(.016)	(.017)	(.005)	(.047)
Political involvement	007**	008**	007**	007**	007**	006*	.005+
	(.002)	(.002)	(.003)	(.003)	(.002)	(.003)	(.003)
Government appropriation	.014	$.018^{+}$.002	.014	.013	$.016^{+}$	015
	(.009)	(.009)	(.011)	(.009)	(.009)	(.009)	(.011)
Social network	036**	033**	036**	037**	036**	035**	002
	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.004)
Post 2001	.035**	.032**	.035**	.035**	.033"	.035"	002
	(.006)	(.006)	(.006)	(.006)	(.006)	(.006)	(.006)
Regional FDI intensity	.019**	.019"	.019**	.019**	.019"	.015.	002
	(.004)	(.004)	(.004)	(.004)	(.004)	(.004)	(.004)
Ideological imprint × Political		.021**		()			.166
		(.007)					(.012)
involvement (H2a)							.311"
involvement (H2a) Ideological imprint × Government		. ,	.045				
Ideological imprint × Government		. ,	.045				
Ideological imprint × Government appropriation (H2b)			.045 · (.021)	018			(.028)
Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network				.018			(.028) .209*
Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network (H3)				.018 (.016)	048**		(.028) .209** (.021)
Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network (H3) Ideological imprint × Post 2001					.048"		(.028) .209** (.021) .227**
Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network (H3) Ideological imprint × Post 2001 (H4a)					.048 ** (.017)	014:	(.028) .209 (.021) .227 (.021)
Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network (H3) Ideological imprint × Post 2001 (H4a) Ideological imprint × Regional FDI						.014*	(.028) .209** (.021) .227** (.021) .114**
Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network (H3) Ideological imprint × Post 2001 (H4a) Ideological imprint × Regional FDI intensity (H4b)			(.021)	(.016)	(.017)	(.007)	(.028) .209" (.021) .227" (.021) .114" (.010)
Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network (H3) Ideological imprint × Post 2001 (H4a) Ideological imprint × Regional FDI	2,342 2,426.15	2,342 2,443.66					(.028) .209" (.021) .227" (.021) .114" (.010) 2,342 2,836.13

Table B1b. Results from Heckman Model: Outward Internationalization (2000–2012)

A Counterfactual Analysis for Understanding Effects of Profitability from Internationalization (1993–2012)

To better triangulate the imprinting processes we theorize, we also examined whether entrepreneurs with a communist ideological imprint tend to ignore profitable business opportunities from internationalization, showing whether the imprint dominates self-interest in considering foreign cooperation, i.e., whether the information filter by the communist ideological imprint motivates cognition. We measured profitable internationalization opportunities by calculating profitability differentials between internationalized firms and their non-internationalized/domestic counterparts of focal firms' institutional equivalents, i.e., those in the same geographical location (province) and industry as their counterfactuals, respectively (Marquis and Tilcsik, 2016). Then we interacted these two proxies of information of profitable internationalization with the communist ideological imprint to predict the tendency (hazard rate) of internationalization of the focal firm with a Cox proportional hazard model.

Table B2 shows that the interaction terms of all three variables with ideological imprint are negative and significant (p < .05), suggesting that firm leaders filtered information about profitable opportunities via internationalization with a communist ideological imprint. These results lend support to our theorizing that the communist ideological imprint acts as an information filter that motivates cognition—entrepreneurs eschew cooperation with foreign capitalists even when it is in their economic self-interest.

	1	2	3	4
	Single eve	nt model	Repeated ev	ents model
With PSM	No	Yes	No	Yes
Ideological imprint	-128.647*	-122.496*	-120.455*	-134.744**
	(56.105)	(53.377)	(49.376)	(46.859)
Profit premium by geography	-2.326	-6.958	-4.509	-7.466
	(11.521)	(8.910)	(10.447)	(8.532)
Profit premium by industry	-5.519	-9.589	-9.648	-11.349
	(11.656)	(9.105)	(10.562)	(8.647)
Profit premium by geography × Profit premium by industry	-5.676	-10.354	-8.189	-10.967
	(11.646)	(8.970)	(10.556)	(8.595)
Ideological imprint × Profit premium by geography	-128.264	-121.319	-118.871^{\bullet}	-132.605"
	(58.216)	(55.240)	(51.368)	(48.632)
Ideological imprint × Profit premium by industry	-125.707*	-118.955	-117.696*	-131.864**
	(56.749)	(53.981)	(49.939)	(47.380)
Ideological imprint × Profit premium by geography × Profit premium by industry	-125.118	-117.463	-115.850	-129.384"
	(58.904)	(55.883)	(51.971)	(49.190)
Number of observations	15,936	18,427	19,730	22,969
Goodness of fit (chi-squared)	687.46	732.23	808.36	831.83

Table B2. Cox Proportional Hazard Model for Inward Internationalization with Counterfactual Profits (1993–2012)*

 $^+ p < .10; \bullet p < .05; \bullet p < .01;$ intercept not reported to save space.

* The sample size for the single event history analysis varies because the right-censored firms are dropped whenever they internationalized their firms, while propensity score matching also affects the number of observations used. The repeated events model retains all observations even if the focal firm/individual has already adopted the action, and therefore numbers of observations are similar to those in tables A3a and A3b for corresponding dependent variables (but still vary due to missing values). We winsorized top and bottom 1% profit premiums to avoid undue influence from outliers and considered mainly inward internationalization because it may affect its outward counterpart. Controls and moderators are the same as table A3a, respectively (not reported); interaction terms are excluded.

Diff-in-diff and Related Estimation of Internationalization

We provide a finer-grained analysis of communist ideological imprinting and also rule out cohort effects as an alternative explanation—it is not only those born before 1959 (and thus were already 18 years old and qualified to join the CPC) who are antagonistic to foreign cooperation but it is the importance of the socialization of joining the CPC—based on a diff-in-diff analysis. We distinguished those born before and after 1959, in addition to communist ideology. Therefore we analyzed four groups of entrepreneurs: pre- and post-reform communists and non-communists. Unlike traditional diff-in-diff estimation, our diff-in-diff analysis is not about the event of imprinting but about whether the entrepreneur had the ideological imprint (treatment) or not (control), and the "event" was whether opening up in 1978 invalidates the negative impact of current ideology on internationalization such that the post-reform government encourages capital and foreign cooperation more fully and that entrepreneurs who joined the CPC after 1978 were less antagonistic to internationalizing their ventures. Our approach resembles the diff-in-diff estimation for repeated cross sections, which utilizes between-differences of individuals rather than within ones, i.e., different individuals before and after the events (see Abadie, 2005: 9, for a summary of exemplar studies).

We found that pre-reform communists are least prone to internationalization; we present results in Panel A of table B3. We also combined the diff-in-diff analysis with PSM, as going through the imprinting process might be self-selected and thus endogeneity could be an issue. The PSM approach helps generate a random sample in terms of entrepreneurs with or without a communist ideological imprint based on observable variables. The results are shown in Panel B of table B3 and are consistent with the main analyses. Other birth year cutoffs indicating entrepreneurs who were 18 years old already in 1978—from birth in 1949, when the communist regime in China was established, to that in 1958—yielded similar results.

Par	nel A: Diff-in-diff estimation of internation	alization
Variable	Inward internationalization (0/1)	Outward internationalization (0/1)
Column	1	2
CPC membership	211*	296^{+}
	(.100)	(.179)
Born before 1959	213**	208**
	(.048)	(.056)
CPC membership	736**	447 **
× Born before 1959	(.050)	(.056)
Number of observations	19,730	16,026
Goodness of fit (chi-squared)	1682.98	1042.99
Panel B: Diff-in-diff estin	mation of internationalization combined w	ith propensity score matching
Variable	Inward internationalization (0/1)	Outward internationalization (0/1)
CPC membership	245*	291^{+}
	(.096)	(.160)
Born before 1959	158**	201**
	(.045)	(.052)
CPC membership	772**	469**
× Born before 1959	(.046)	(.051)
Number of observations	17,934	14,604
Goodness of fit (chi-squared)	1,957.23	1,234.71

Table B3. Diff-in-diff and Related Estimation of Internationalization*

⁺ p < .10; • p < .05; • p < .01; intercept not reported to save space.

* Numbers of observations for the analyses vary because of missing values and matching. Controls and moderators are the same as tables A3a and A3b, respectively (not reported); interaction terms are excluded.

Other Endogeneity Concerns and Moderators Unrelated to Information Filtering

We tried a number of additional approaches to address a variety of endogeneity concerns. For instance, we use the variation of entrepreneurs' parents' government work experience, which highly correlates with CPC membership (Bian, Shu, and Logan, 2001), as an instrumental variable. Parents' (communist) government work experience is exogenous and not affected by entrepreneurs' later new ventures. Studies have shown intergenerational transmissions of ideology (Jost, Federico, and Napier, 2009), and CPC membership is required for governmental work (Wu and Treiman, 2007). Lastly, parents' work experience is at best weakly correlated with firms' internationalization, given that nearly all entrepreneurs' parents—assuming they gave birth to their children in their twenties—are in their late eighties. Therefore the instrumental variable is valid conceptually. We still ran a first-stage F-test and obtained supporting evidence that our instrumental variable is valid. Results are reported in column 1 of table B4 and are similar to our main results.

Endogeneity issues may also arise because of omitted control variables. Therefore we also controlled for (1) state-owned-enterprise work experience and political rank to indicate whether the focal entrepreneur ever worked as a government official, and (2) the exclusion restrictions, i.e., technological resource, firm performance, industry competitiveness, and growth (Villalonga and McGahan, 2005). We report results in columns 2 to 7 of table B4, which are similar in terms of sign, significance, and magnitude on the communist ideological imprint.

In addition, we interacted firm age, entrepreneurs' age, and time trend with their ideological imprint. If the interaction terms are positively significant and the magnitudes are commensurate to interactions of our moderators, then our arguments that the availability and credibility of contradictory information are two key conditions for imprint decay would be undermined; the imprint decays automatically over time. The last six models (models 8 to 13) of both panels in table B4 suggest this was not the case; the effect sizes of the interaction terms are less than 10 percent of other moderating effects. Therefore the imprinting effect does not decay with an increase in firm age, entrepreneurs' age, or time but remains persistent.

	1 (B)†	2 (B)	3 (C)	4 (B)	5 (C)	6 (C)	7 (C)	8 (C)	9 (C)	10 (C)	11 (C)	12 (C)	13 (C)
Approach		Additi	onal contro	l variables			Ν	ew modera	tors: Intera	active effect	s [§]		
Internationalization	Inward [‡]		Outward	Inwa	rd Outw	ard	Firm age	Fo	under's age	è '	Time trend		
Ideological imprint (H1)	-3.865	165**	006**	272**	003	006**	005*	010** -	.014**	005" -	041**	-1.631"	-15.501**
	(1.638)	(.027)	(.000)	(.029)	(.002)	(.000)	(.002)	(.001)	(.005)	(.002)	(.010)	(.280)	(1.771)
State-owned-enterprise work experience		.047 (.223)	.004 ⁺ (.003)	521 ⁺ (.275)	.007 (.020)								
Political rank as a government official		141" (.031)	001**	147**	.011" (.002)								
Tech resources		(.051)	(.000)	(.051)	(.002)	.009" (.000)							
Firm performance						.017	.018"						
Industry competitiveness						(.001) 047"	153 ··						
Industry growth						(.001) 003 (.003)	.043+						
Firm age						(.003)	(.020)	002 ** (.000)	002 ** (.000)				
Ideological imprint × Firm age								.000) .001" (.000)	.001 [•] (.001)				
Entrepreneur's age								(.000)	(.001)	.001" (.000)	000 ** (.000)		
Ideological imprint × Entrepreneur's age										000 (.000)	.001" (.000)		
Time trend										(.000)	(.000)	000 $(.000)$	002"
Ideological imprint × Time trend												.001"	(.001) .008"
Number of observations	17,926	17,926			2,178	2,785		2,785	2,178	2,785	2,178	(.000) 2,785	(.001) 2,178
Goodness of fit (chi-squared)	1,681.57	1,727.22	7,872.98	1,495.25	2,031.47	10,064.12	2,139.42	7,885.84	2,007.20	7,853.20	2,016.49	7,886.89	2,078.09

 Table B4. Results from Heckman Model of Internationalization (1993–2012): Other Endogeneity Concerns, Additional Control Variables, and

 Interactive Effects*

 $p^+ p < .10$; $p^+ p < .05$; $p^+ p < .01$; intercept not reported to save space.

* The number of observations changes due to data availability.

+ B: binary measure of dependent variable, C: continuous measure of dependent variable.

[‡]Instrumental variable is parent's government work experience. First-stage F test statistic of 8.10—above the critical value of 20% instrumental variable bias (6.66)—thus passed the test. [§]We considered inward internationalization mainly.

Effects of Heterogeneity of Communist Ideological Imprint on Internationalization

The communist ideological imprint may exhibit some heterogeneity, the substantial magnitude of which may threaten the validity of our moderators as decaying factors of the communist ideological imprint. To address this issue, we considered regional variation—coastal region, geographic proximity to special economic zones, and local communist density in 1956 (Liu, Buck, and Shu, 2005; Luo, Xue, and Han, 2010; Kung and Chen, 2011)—that may also influence the intensity of the imprinting effect. Likewise, age groups of entrepreneurs may also affect the intensity of communist ideological indoctrination. During the Cultural Revolution (1966–1976), communist ideology was strengthened (Lu, 2004; Wang, Du and Marquis, 2018). Therefore the group born and brought up during the Cultural Revolution might exhibit a stronger imprinting effect and thus more heightened information filtering.

The results are reported in table B5, showing that most of these effects do not change the magnitude or significance of the communist ideological imprint. Furthermore, all five contingencies are unstable: they are either insignificant or contradict each other on measures of internationalization. Specifically, some significant results suggest that locating in more ideologically westernized areas reduces the negative effect of the ideological imprint, consistent with our results showing the moderating effect by regional FDI intensity. But the magnitudes are on the average less than 10% of our theorized moderating effects. The last three contingencies indicate the effects of communist ideology at the regional level during the imprinting period or birth, and their effects are unstable—both positive and negative coefficients are found—and the results are contrary to the conjecture that Cultural Revolution experience strengthens ideological indoctrination and thus heightens the information-filtering mechanism on outward internationalization. The results suggest that the heterogeneity of the ideological imprint does not pose a substantive threat to our analysis.

Model	1 (B)†	2 (C)	3 (B)	4 (C)	5 (B)	6 (C)	7 (B)	8 (C)	9 (B)	10 (C)
Continuou			Contiguous to	o or contain	CPC densit	y in 1956	Cultural F	Revolution	Cultural Revolution	ition until
Contingency	Coastal	region	special econ	omic zone	(before	1978)	(1966-	-1976)	Nixon visited China	a (1966–1972)
			Panel A: Dep	endent variab	le—inward int	ernationaliza	tion			
Со	ntrols and ot	her modera	tors are the sa	me as table A3	a and not repo	rted and othe	er interaction	n terms are e	excluded	
Ideological imprint (H1)	267**	011**	181**	007**	158**	003**	169**	005**	171**	005"
	(.039)	(.001)	(.029)	(.000)	(.039)	(.000)	(.029)	(.000)	(.029)	(.000)
Contingency	002	003**	.033	002**	000	.000**	427**	004**	350**	003"
	(.037)	(.000)	(.043)	(.001)	(.003)	(.000)	(.038)	(.001)	(.039)	(.001)
Ideological imprint	.166**	.008**	.087	.007**	.003	000**	062	004**	035	003"
× Contingency	(.049)	(.001)	(.069)	(.001)	(.005)	(.000)	(.065)	(.001)	(.069)	(.001)
Number of observations	17,926	2,785	17,926	2,785	16,130	2,541	17,926	2,785	17,926	2,785
Goodness of fit (chi-squared)	1,716.41	8,043.48	1,709.80	7,918.17	1,533.19	7,331.02	1,832.78	7,989.48	1,786.81	7,954.30
			Panel B: Dep	endent variabl	e—outward in	ternationaliza	ation			
	Contro	ls and other	r moderators a	re the same as	table A3b and	other interac	ction terms a	re excluded		
Ideological imprint (H1)	348**	003	574**	009**	132**	005*	337**	005"	334**	005"
	(.032)	(.002)	(.047)	(.003)	(.042)	(.003)	(.032)	(.002)	(.032)	(.002)
Contingency	099*	.006*	146**	004	.018"	001**	430**	048"	357**	042"
	(.048)	(.003)	(.042)	(.003)	(.003)	(.000)	(.041)	(.003)	(.042)	(.003)
Ideological imprint	.518"	003	.477**	.008*	024**	.000	.318"	.031"	.364"	.030"
× Contingency	(.075)	(.004)	(.056)	(.004)	(.005)	(.000)	(.067)	(.004)	(.071)	(.004)
Number of observations	14,598	2,178	14,598	2,178	13,496	2,018	14,598	2,178	14,598	2,178
Goodness of fit (chi-squared)	1,511.37	2,005.24	1,526.76	2,006.44	1,371.50	1,845.44	1,557.86	2,304.06	1,526.86	2,216.11

Table B5. Results from Heckman Model of Internationalization Considering Heterogeneity of Communist Ideological Imprint (1993–2012)*

 $^+ p < .10; \bullet p < .05; \bullet p < .01;$ intercept not reported to save space.

* The number of observations varies because of missing values of certain variables.

† B: binary measure of dependent variable, C: continuous measure of dependent variable.

Pseudo-panel Data Analysis

While we were unable to trace all firms in the sample consistently across years, the whole sample can be analyzed as a pseudo-panel dataset because individual firms in each cohort were randomly chosen within geographies. We thus employed pseudo-panel data estimation to investigate the hypotheses with our whole sample. Using this econometric approach, we can still make inferences about individual entrepreneurs (Deaton, 1985; Baltagi, 2008). At the same time, this approach further avoids possible bias resulting from attrition, i.e., untraced private firms that would be dropped if we used genuine panel data.

In pseudo-panel analyses, individual values are aggregated to statistically representative cohorts, and true panel data analyses are conducted on the cohort averages (Inoue, 2008). We defined cohorts according to the six-digit postal code per the original sampling process. According to Baltagi (2008), consistent estimates can be obtained by pseudo-panel data if one uses true panel data methods—random effects or fixed effects at the cohort level—by averaging the individual characteristics, i.e., collapsing the data at the cohort level. More importantly, our inference of an individual firm's strategy can still be drawn using the pseudo-panel dataset estimation technique (Deaton, 1985). We conducted (1) the Breusch and Pagan test, which indicated that panel data approaches were more appropriate (i.e., fixed and random effects estimations are preferred to pooled OLS; Breusch and Pagan, 1979); and (2) the Hausman test, which indicated that unobservable fixed effects were not correlated with variables on the right-hand side of the model and thus a random effects model was most appropriate (Hausman, 1978). Therefore we reported results based on the random effects model described above.

Table B6a and B6b display the results, which are largely consistent with our reported results using the genuine panel data. This is consistent with econometric research on pseudo-panel models, which shows that the pseudo-panel data analysis produces similar results as those using genuine panel data and related approaches (Deaton, 1985; Baltagi, 2008; Inoue, 2008).

Variable	1	2	3	4	5	6	7
Panel A: Likelihood of internationalization	n with random	effects linear n	nodel; controls	are the same as	s Panel A of tab	le A3a and not	reported
Ideological imprint (H1)	029**	077**	077**	137**	115 °°	057**	513"
	(.010)	(.013)	(.013)	(.020)	(.019)	(.016)	(.036)
Political involvement	.033"	.009	.033"	.039.	.031	.033"	004
	(.008)	(.009)	(.008)	(.008)	(.008)	(.008)	(.009)
Government appropriation	.299.	.297.	.165	.287.	.306.	.300	.143"
	(.038)	(.038)	(.044)	(.038)	(.038)	(.038)	(.044)
Social network	.060	.066**	.058.	.035.	.058	.060	.031"
	(.008)	(.008)	(.008)	(.009)	(.008)	(.008)	(.009)
Post 2001	.032"	.035"	.027	.031	.010	.032"	011
	(.012)	(.012)	(.012)	(.012)	(.013)	(.012)	(.013)
Regional FDI intensity	.017+	.018+	.019	.022	.012	.007	.006
regional i Di menory	(.009)	(.009)	(.009)	(.009)	(.009)	(.010)	(.010)
Ideological imprint × Political	(.005)	.098"	(.00))	(.005)	(.00))	(.010)	.169"
involvement (H2a)		(.016)					(.017)
Ideological imprint × Government		(.010)	.482"				.538"
appropriation (H2b)			(.082)				(.082)
Ideological imprint × Social network			(.082)	.129"			.180"
(H3)				(.021)	114.		(.022)
Ideological imprint × Post 2001 (H4a)					.114"		.217"
					(.022)	0.505	(.023)
Ideological imprint × Regional FDI						.050	.062"
intensity (H4b)						(.022)	(.022)
Number of observations	7,809	7,809	7,809	7,809	7,809	7,809	7,809
Goodness of fit (chi-squared)	1,096.65	1,137.52	1,135.10	1,139.71	1,126.82	1,102.39	1,339.88
Panel B: Amount of internationalization							
Ideological imprint (H1)	006•	021"	020**	039**	026**	013**	142**
	(.003)	(.004)	(.004)	(.006)	(.006)	(.005)	(.012)
Political involvement	.008**	.001	.008**	.010**	.008"	.008**	003
	(.002)	(.003)	(.002)	(.002)	(.002)	(.002)	(.003)
Government appropriation	.092**	.092**	.054"	.088"	.094"	.092**	.047**
	(.012)	(.012)	(.014)	(.012)	(.012)	(.012)	(.014)
Social network	.012**	.014**	.011"	.004	.012"	.012**	.003
	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)
Post 2001	.023**	.024**	.022**	.023**	.018"	.023**	.012**
	((004)	(004)	(004)	(.004)	(.004)	(.004)
	(.004)	(.004)	(.004)	(.004)	(
Regional FDI intensity	(.004) .002	.004)	.004)	(.004) .004	.001	.000	.000
Regional FDI intensity	.002	.003	.003	.004	.001		
		.003 (.003)				.000 (.003)	(.003)
Ideological imprint × Political	.002	.003 (.003) .031"	.003	.004	.001		(.003) .050 **
Ideological imprint × Political involvement (H2a)	.002	.003 (.003)	.003 (.003)	.004	.001		(.003) .050" (.005)
Ideological imprint × Political involvement (H2a) Ideological imprint × Government	.002	.003 (.003) .031"	.003 (.003) .138"	.004	.001		(.003) .050" (.005) .152"
Ideological imprint × Political involvement (H2a) Ideological imprint × Government appropriation (H2b)	.002	.003 (.003) .031"	.003 (.003)	.004 (.003)	.001		(.003) .050** (.005) .152** (.026)
Ideological imprint × Political involvement (H2a) Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network	.002	.003 (.003) .031"	.003 (.003) .138"	.004 (.003) .040**	.001		(.003) .050** (.005) .152** (.026) .054**
Ideological imprint × Political involvement (H2a) Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network (H3)	.002	.003 (.003) .031"	.003 (.003) .138"	.004 (.003)	.001 (.003)		(.003) .050" (.005) .152" (.026) .054" (.007)
Ideological imprint × Political involvement (H2a) Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network	.002	.003 (.003) .031"	.003 (.003) .138"	.004 (.003) .040**	.001 (.003) .027"		(.003) .050" (.005) .152" (.026) .054" (.007) .057"
Ideological imprint × Political involvement (H2a) Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network (H3) Ideological imprint × Post 2001 (H4a)	.002	.003 (.003) .031"	.003 (.003) .138"	.004 (.003) .040**	.001 (.003)	(.003)	(.003) .050" (.005) .152" (.026) .054" (.007) .057" (.007)
Ideological imprint × Political involvement (H2a) Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network (H3) Ideological imprint × Post 2001 (H4a) Ideological imprint × Regional FDI	.002	.003 (.003) .031"	.003 (.003) .138"	.004 (.003) .040**	.001 (.003) .027"	(.003) .012 ⁺	(.003) .050" (.005) .152" (.026) .054" (.007) .057" (.007) .015'
Ideological imprint × Political involvement (H2a) Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network (H3) Ideological imprint × Post 2001 (H4a) Ideological imprint × Regional FDI intensity (H4b)	(.002)	.003 (.003) .031" (.005)	.003 (.003) .138" (.026)	.004 (.003) .040** (.007)	.001 (.003) .027* (.007)	.003) .012 ⁺ (.007)	(.003) .050" (.005) .152" (.026) .054" (.007) .057" (.007) .015' (.007)
Ideological imprint × Political involvement (H2a) Ideological imprint × Government appropriation (H2b) Ideological imprint × Social network (H3) Ideological imprint × Post 2001 (H4a) Ideological imprint × Regional FDI	.002	.003 (.003) .031"	.003 (.003) .138"	.004 (.003) .040**	.001 (.003) .027"	(.003) .012 ⁺	(.003) .050" (.005) .152" (.026) .054" (.007) .057" (.007) .015'

 Table B6a. Results from Pseudo-panel Estimation: Inward Internationalization (1993–2012)

Variable	1	2	3	4	5	6	7
Panel A: Likelihood of internationalizat	-		-	-	-	*	
Ideological imprint (H1)	042 **	144 **	084"	<u>144"</u>	078"	124 **	652"
racorograa imprint (111)	(.010)	(.013)	(.013)	(.020)	(.030)	(.017)	(.044)
Political involvement	.062"	.002	.062**	.069**	.062"	.062"	006
i onticar involvement	(.008)	(.010)	(.008)	(.009)	(.008)	(.008)	(.009)
Government appropriation	.377**	.373"	.248**	.365"	.378**	.378"	.210"
Government appropriation	(.041)	(.040)	(.048)	(.041)	(.041)	(.041)	(.047)
Social network	.069"	.083"	.068"	.044"	.069"	.071"	.045"
Social network	(.008)	(.008)	.008	(.010)	(.008)	(.008)	(.009)
Post 2001	(.008)	.007	.003	.006	· · ·	.008	028
P0st 2001					.003		
	(.014)	(.014)	(.014)	(.014)	(.015)	(.014)	(.014)
Regional FDI intensity	.019+	.018	.020	.026	.018	017	012
	(.012)	(.012)	(.012)	(.012)	(.012)	(.013)	(.013)
Ideological imprint × Political		.226**					.292**
involvement (H2a)		(.017)					(.018)
Ideological imprint × Government			.442**				.530**
appropriation (H2b)			(.086)				(.085)
Ideological imprint × Social network				.124**			.194"
(H3)				(.021)			(.021)
Ideological imprint × Post 2001					.041		.209"
(H4a)					(.032)		(.032)
Ideological imprint × Regional FDI						.150**	.155"
intensity (H4b)						(.025)	(.025)
Number of observations	6,768	6,768	6,768	6,768	6,768	6,768	6,768
Goodness of fit (chi-squared)	887.37	1,089.37	916.82	925.88	889.12	927.60	1,309.90
Panel B: Amount of internationalization	on with random						
Ideological imprint (H1)	008*	039**	026**	050**	016*	036**	214**
	(.003)	(.004)	(.004)	(.007)	(.010)	(.006)	(.014)
Political involvement	.015"	003	.015"	.018"	.015"	.015"	006*
	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)
Government appropriation	.114	.114.	.060**	.110	.115	.115.	.048.
	(.014)	(.013)	(.016)	(.014)	(.014)	(.014)	(.016)
Social network	.018"	.022"	.017"	.007*	.018"	.019"	.008
	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)	(.003)
Post 2001	.016"	.016"	.014"	.015"	.015"	.017"	.004
10002001	(.005)	(.005)	(.005)	(.005)	(.005)	(.005)	(.005)
Regional FDI intensity	.001	.001	.002	.004	.001	011 ·	009*
Regional I DI Intensity	(.004)	(.004)	(.004)	(.004)	(.004)	(.004)	(.004)
Ideological imprint × Political	(.004)	.069"	(.004)	(.004)	(.004)	(.004)	.092"
involvement (H2a)		(.009)					(.006)
		(.000)	105.				
Ideological imprint × Government			.185"				.210"
appropriation (H2b)			(.029)	0.5.1			(.028)
Ideological imprint × Social network				.051**			.072**
(H3)				(.007)	000		(.007)
Ideological imprint × Post 2001					.009		.064**
(H4a)					(.011)		(.011)
Ideological imprint × Regional FDI						.052**	.053**
intensity (H4b)						(.008)	(.008)
Number of observations	6,768	6,768	6,768	6,768	6,768	6,768	6,768
Goodness of fit (chi-squared)	600.39	761.23	647.24	657.25	601.16	642.66	1,014.55
	not reported to						

Table B6b. Results from Pseudo-panel Estimation: Outward Internationalization (2000–2012)

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Appendix C: Clarifying Data and Analyses

Potential Sources of Error

Like many other surveys, the Chinese Private Enterprise Survey (CPES) data contain errors. We are unable to enumerate all sources of errors, but we discuss below that survey design, implementation, and careless responses or coding errors could lead to errors in the data (Lynn, 2009). Many other surveys that are implemented longitudinally, such as the U.S. Current Population Survey (CPS), have also been shown to exhibit these types of errors (e.g., Peracchi and Welch, 1995; Madrian and Lefgren, 2000; Feng, 2008; Kambourov and Manovskii, 2013). The organizers and providers of the CPES data have acknowledged these three sources of error in a paper summarizing the history of the survey (Chen et al., 2018).

Survey design. Chen et al. (2018) suggested that the "survey design was flawed . . . especially in early years" (p. 19) and "some questionnaire items were changed over time" (p. 25). We also found that the survey questionnaires contained some ambiguous and inconsistent questions. For example, in 1995 and from 2004 to 2010, respondents were asked to report their *main* career experience—the type of their employment and organization, their job title, etc.—while from 1997 to 2002, they were asked to report *all* their job experiences, although the section name was still "main experience." And for each question item, the framing of the question (main job versus experience) and values for these items indicating types of employer also changed; some years distinguished collective-owned firms based on urban and rural residence and/or included the military.

Data collection. Survey implementation is another potential source of error according to Chen et al. (2018: 19), particularly in the early years. Reporting errors are

common in surveys, and data-collecting agencies might not check the consistency of these responses across different waves (e.g., CPS; Peracchi and Welch, 1995; Madrian and Lefgren, 2000). Furthermore, wrong and/or different persons might have filled in the questionnaire over time, i.e., the survey team might have asked different co-owners, managers, or the current owners who were not the original entrepreneurs due to leadership changes and other ownership arrangements. Therefore, entrepreneurs' characteristics could suffer from error, e.g., within the same firm, reporting errors and potential change of surveyed individuals can make time-invariant characteristics change over time. Surveyors' handbooks, questionnaires in later years that aimed to correct this problem, and our private communications with data providers all indicated that this was an issue.

Careless response or coding error. Several indicators suggest the necessity of treating some values as careless responses or a coding error. We found that the data suffered from two issues—negative values where there should not be and erroneously large values—and these outliers are likely the result of careless responses or coding errors (e.g., Meade and Craig, 2012; Aguinis, Gottfredson, and Joo, 2013).

Data Cleaning

We took a number of measures to address these issues. For the potential errors resulting from survey design, e.g., entrepreneurs' characteristics, because we are unable to know in which wave the correct person answered the questions, we left those values as they were. Furthermore, we did not use variables suffering these potential errors, including founding year, for matching. But we performed sensitivity tests detailed below that suggest these errors are noise and do not affect the results. We also treated the careless responses in ways appropriate to the specific variable. We regarded negative values that are out of the meaningful range—e.g., initial investments,

taxes, fees, and initial industry category—as missing. For binary variables such as membership in the communist party, association of private entrepreneurs, and government work experience, we considered negative values as suggesting "no" in generating corresponding variables. Negative values for some continuous variables, such as profits, could be meaningful. We thus treated negative values for continuous variables on a case-by-case basis. For instance, we maintained negative values of profit measures, while for government appropriations, since some entrepreneurs understood this question as how much was subtracted from their profits—and so they reported negative values—we used absolute values. For variables that were coded with impossibly large values—e.g., over 9 (Ph.D. level) for educational attainment and magnitude over 10¹⁵—we replaced them with the largest possible value. Our results are robust to whether we cleaned these variables or not.

Sensitivity Analyses

In addition to mitigating errors in variables during cleaning and computing processes, we also ran regressions (1) with subsamples whose values of the variables are less subject to errors and (2) with or without variables containing potential errors (Aguinis, Gottfredson, and Joo, 2013) to ensure that these errors did not affect our results. In particular, because entrepreneurs' characteristics contain errors, it is especially important to determine whether these errors affected our key variable of ideological imprint. (3) We further show that the results are insensitive to matching, as the potential data errors could result in false matches.

We first checked the robustness of our results by keeping observations with consistent values of ideological imprint, which we defined in different ways: (1) Firms that never experienced change in this variable, which was the case for 29.74 percent of the enterprises in the data, and those with only a one-time deviation, e.g., all ones but one zero and vice versa (also excluding firms with two years of observations with a one and zero). Firms with no more than a one-time deviation are less subject to potential matching errors, e.g., for all nine observations only one is different from others. Using this definition, more than 68% of the 19,729 observations remained. (2) Observations whose value of ideological imprint equals the sample period mode; e.g., if a firm has three ones and two zeroes, the mode is one and we dropped the observations with zeroes Values equal to the mode are likely less subject to errors. Using this definition, 75.8% of observations remained. (3) Firms with a supermajority (no less than two-thirds) of zeroes or ones, as values in a supermajority are more likely the consistent value. Using this definition, 81.3% of observations remained. These ratios are consistent with the changing values of time-invariant variables or inconsistencies of deterministic (age) variables in other well-known longitudinal surveys, e.g., see Black, Sanders, and Taylor (2003: 547-549) on the CPS and Kambourov and Manovskii (2013: 175, 179) on both the CPS and Panel Studies of Income Dynamics (PSID). More importantly, results from all these subsample analyses (available upon request) were similar to those reported in our article and supportive of our overall conclusions. Given the robustness of our results, we conclude that we can treat these errors as noise (Aguinis, Gottfredson, and Joo, 2013). We did not use any of these subsamples for the main analyses because sample attrition from dropping cases may lead to bias, and measurement errors in surveys do not necessarily bias the results (Peracchi and Welch, 1995; Lynn, 2009).

Second, we altered the model specifications by dropping control variables that could be subject to high errors because of survey implementation, e.g., entrepreneur's characteristics. We controlled for them in the main analysis following existing imprinting studies (Azoulay, Liu, and Stuart, 2017), but we then also excluded these variables and obtained results (available upon request) that were similar to those reported and supported our hypotheses.

Third, we used the full sample without matching to show that our results are insensitive to potential matching errors. Direct cross-sectional estimation with this sample may suffer from biases due to individual heterogeneity. However, recent econometrics literature suggests that PSM can deal with individual heterogeneity effectively (Arkhangelsky and Imbens, 2018), and thus we combined cross-sectional analyses with PSM and report the results in table C1 (those without using PSM are available upon request). The results still support our conclusions, although support for hypothesis 4b is weaker. This is not surprising because imprinting mainly focuses on how cross-sectional variation in the past affects future behaviors. These results, combined with those from pseudo panel estimation that does not require matching (in Online Appendix B), support that our results hold regardless of any potential matching errors.

Variable	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			lent variabl				_	L			: Outward		alization	
Panel A: Firs														
Ideological imprint (H1)	-0.219"	-0.351"	-0.461"	-1.122"	-0.695"	-0.195"	-2.578"	-0.310"	-0.802"	-0.593"	-1.452"	-0.559"	-0.218"	-3.695"
	(0.027)	(0.036)	(0.043)	(0.098)	(0.099)	(0.049)	(0.173)	(0.030)	(0.045)	(0.047)	(0.122)	(0.186)	(0.058)	(0.253)
Political involvement	0.307"	0.169"	0.304"	0.320"	0.301"	0.307"	0.063	0.749"	0.336"	0.752"	0.764"	0.749"	0.749"	0.233"
Covernment emmendiation	(0.031) 1.649"	(0.040) 1.647"	(0.031) 0.793"	(0.031) 1.625"	(0.031) 1.654"	(0.031) 1.650"	(0.040) 0.757"	(0.036) 1.583"	(0.044) 1.600"	(0.036) 0.599"	(0.036) 1.549"	(0.036) 1.585"	(0.036) 1.585"	(0.044) 0.432
Government appropriation	(0.136)	(0.136)	(0.178)	(0.136)	(0.136)	(0.136)	(0.177)	(0.149)	(0.151)	(0.194)	(0.150)	(0.149)	(0.149)	(0.193)
Social network	0.554"	0.558"	0.558"	0.239"	0.551"	0.554"	0.204"	0.603"	0.615"	0.611"	0.259"	0.603"	0.600"	0.171"
Soona herwork	(0.045)	(0.045)	(0.045)	(0.053)	(0.045)	(0.045)	(0.053)	(0.048)	(0.048)	(0.048)	(0.056)	(0.048)	(0.048)	(0.056)
Post 2001	0.677	0.667"	0.697"	0.698"	0.543"	0.677"	0.481"	0.241+	0.241+	0.265+	0.248+	0.187	0.241+	0.045
	(0.111)	(0.111)	(0.111)	(0.111)	(0.113)	(0.111)	(0.113)	(0.140)	(0.142)	(0.140)	(0.140)	(0.145)	(0.140)	(0.145)
Regional FDI intensity	0.137"	0.139"	0.142"	0.171"	0.131"	0.155"	0.178"	0.223"	0.220"	0.240"	0.263"	0.223"	0.296"	0.368"
8	(0.047)	(0.047)	(0.047)	(0.048)	(0.048)	(0.057)	(0.056)	(0.070)	(0.071)	(0.070)	(0.072)	(0.070)	(0.080)	(0.080)
Ideological imprint × Political involvement (H2a)	(0.0.17)	0.309"	(*****)	(******)	(0.0.0)	(*****/)	0.593"	(*****)	1.003"	(0.0.0)	(****=)	()	(*****)	1.389"
5 1		(0.055)					(0.059)		(0.063)					(0.068)
Ideological imprint × Government appropriation (H2b)		()	1.972"				2.111		. ,	2.322"				3.050
			(0.266)				(0.275)			(0.291)				(0.316)
Ideological imprint × Social network (H3)				1.011"			1.181				1.274"			1.645
				(0.102)			(0.107)				(0.126)			(0.132)
Ideological imprint × Post 2001 (H4a)					0.521"		0.869"					0.257		1.025"
					(0.104)		(0.109)					(0.190)		(0.193)
Ideological imprint × Regional FDI intensity (H4b)						-0.045	-0.008						-0.174^{+}	-0.247*
						(0.077)	(0.080)						(0.094)	(0.102)
Number of observations	10,986	10,986	10,986	10,986	10,986	10,986	10,986	9,669	9,669	9,669	9,669	9,669	9,669	9,669
Panel B: Seco			,		11									
Inverse Mills ratio	-0.456"	-0.420"	-0.443"	-0.433"	-0.428"	-0.456"	-0.052"	-0.484"	-0.482"	-0.480"	-0.469"	-0.477**	-0.487**	-0.292"
	(0.010)	(0.012)	(0.011)	(0.011)	(0.010)	(0.010)	(0.017)	(0.018)	(0.031)	(0.020)	(0.019)	(0.018)	(0.018)	(0.056)
Ideological imprint (H1)	-0.008**	-0.012"	-0.011"	-0.034"	-0.066*	-0.007**	-0.245"	-0.023"	-0.023"	-0.024"	-0.067**	-0.090"	-0.032"	-0.224"
	(0.001)	(0.001)	(0.001)	(0.004)	(0.004)	(0.001)	(0.008)	(0.002)	(0.005)	(0.004)	(0.014)	(0.018)	(0.004)	(0.033)
Political involvement	-0.005"	-0.007*	-0.004"	-0.004"	-0.003"	-0.005"	-0.002	-0.009"	-0.009"	-0.009	-0.008*	-0.008*	-0.010"	-0.002
Construct opposition	(0.001) -0.028"	(0.001)	(0.001) -0.035"	(0.001) -0.022"	(0.001)	(0.001)	(0.001) 0.018"	(0.003) 0.009	(0.004) 0.009	(0.004) 0.006	(0.003)	(0.003)	(0.003)	(0.004)
Government appropriation	(0.028)	-0.018" (0.005)	(0.005)	(0.005)	-0.020" (0.005)	-0.028			(0.009	(0.015)	0.013 (0.012)	0.009 (0.012)	0.008 (0.012)	0.021
Social network	-0.010	(0.005) -0.008"	(0.005) -0.009"	-0.012	(0.005) -0.008"	(0.005) -0.010"	(0.005) -0.001	(0.012) -0.027"	(0.014) -0.027"	-0.027	-0.030	(0.012) -0.027	-0.026	(0.015) -0.025"
Social network	(0.002)	(0.008)	(0.009)	(0.002)	(0.001)	(0.002)	(0.001)	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)
Post 2001	0.002)	0.002)	0.002)	0.002)	-0.006°	0.002)	-0.001	0.028"	0.028"	0.028"	0.027"	0.020	0.028"	0.018+
1 05t 2001	(0.002)	(0.002)	(0.003)	(0.002)	(0.002)	(0.002)	(0.002)	(0.028)	(0.028)	(0.009)	(0.009)	(0.009)	(0.009)	(0.009)
Regional FDI intensity	-0.015"	-0.014"	-0.014"	-0.013"	-0.014"	-0.014"	-0.002	-0.039"	-0.039"	-0.039"	-0.038"	-0.039"	-0.046"	-0.034"
Regional 1 D1 intensity	(0.001)	(0.001)	(0.002)	(0.001)	(0.001)	(0.002)	(0.002)	(0.005)	(0.005)	(0.005)	(0.005)	(0.005)	(0.006)	(0.007)
Ideological imprint × Political involvement (H2a)	(0.001)	0.010	(0.002)	(0.001)	(0.001)	(0.002)	0.052"	(0.005)	0.001	(0.005)	(0.005)	(0.005)	(0.000)	0.042"
ideological implinit ~ I ontical involvement (112a)		(0.002)					(0.002)		(0.008)					(0.013)
Ideological imprint × Government appropriation (H2b)		(0.002)	0.023"				0.168"		(0.000)	0.011				0.091"
Recological imprint ~ Government appropriation (1120)			(0.008)				(0.009)			(0.024)				(0.035)
Ideological imprint × Social network (H3)			(0.000)	0.027"			0.090**			(0.021)	0.047"			0.077**
Record free might a book network (115)				(0.004)			(0.004)				(0.014)			(0.016)
Ideological imprint × Post 2001 (H4a)				(0.001)	0.061"		0.108"				(0.01.)	0.069"		0.092"
					(0.004)		(0.004)					(0.018)		(0.019)
Ideological imprint × Regional FDI intensity (H4b)					(0.001)	-0.001	-0.002					(0.010)	0.018"	0.010
						(0.002)	(0.002)						(0.007)	(0.007)
Number of observations	2,594	2,594	2,594	2,594	2,594	2,594	2,594	2,041	2,041	2,041	2,041	2,041	2,041	2,041
		_,- , - ,		_,_ /	_,_ /	_,-,-	_,_ /	_,	_,	_,	_,	_,	_,	=, 1

Table C1. Results from Heckman Model and Cross-sectional Analyses with PSM (1993–2012)

Variants of PSM in Panel Settings

PSM deals with endogeneity issues by generating weights for regression, dropping observations not on the common support (assigning a zero or missing weight). In panel settings, STATA uses a cross-sectional logistic or Probit regression (psmatch2), which treats observations of the same firm in different periods as independent of each other, and thus there could be variations of weights for the same firm over the sample period. However, panel data approaches require a constant weight over the sample period for the same firm, and there is no consensus for PSM implementation in the panel setting as to how we should weight different observations. STATA's default command to generate weights ("bys firm id: egen") uses the mean value of the weight over the sample period for each firm. For example, if in years 1 and 3 a firm's weight is 3 while that in year 2 is missing, then STATA assigns a mean weight of 3 = (3+3)/2 to all observations of the firm, including the observation with missing value. But including firms for which the calculated weight is missing would include observations that should have been dropped if run in a cross-sectional setting. Thus, to be more conservative we ran additional analyses: (1) We dropped observations with missing weight first, assigned the mean value of weights to observations with non-missing weight for each firm, and then used panel data methods; (2) We used weights from the first step of PSM directly and then the cross-sectional method that ignores the longitudinal nature of the data. An issue with these two approaches is that they dropped more than 60% of observations, and a known pitfall of the PSM approach is that it can delete too many observations (Caliendo and Kopeinig, 2008). Results for alternative approach (1), which are reported in table C2, and for approach (2), which are available upon request, were consistent with those reported in the article and support our conclusions.

Table C2. Results from Heckman Model and the PSM Implementation by Dropping Ob	bservations with Missing Values First (1993–2012)

Variable	1	2	3	4	5	6	7	8	9	10	11	12	13	14
			ent variabl									nternationa	lization	
Panel A: Fi	st-stage resu	lts of Heckı	nan (rando	m effects pi	obit); conti	rols are the	same as Pai	iel A of tabl	es A3a and	A3b and no	ot reported			
Ideological imprint (H1)	-0.171"	-0.375"	-0.529"	-1.202"	-0.740**	-0.247**	-3.302"	-0.370**	-0.862"	-0.658"	-1.596"	-0.682"	-1.014"	-5.344"
	(0.032)	(0.041)	(0.058)	(0.130)	(0.103)	(0.058)	(0.210)	(0.035)	(0.047)	(0.063)	(0.158)	(0.206)	(0.068)	(0.313)
Political involvement	0.401"	0.097	0.396"	0.416"	0.405"	0.400**	0.008	0.987**	0.378"	0.988"	1.002"	0.986"	0.999"	0.296"
	(0.039)	(0.053)	(0.039)	(0.039)	(0.039)	(0.039)	(0.053)	(0.044)	(0.057)	(0.044)	(0.044)	(0.044)	(0.044)	(0.058)
Government appropriation	1.328"	1.301"	-0.044	1.325"	1.355"	1.327**	-0.064	1.647"	1.673"	0.617^{+}	1.672"	1.654"	1.654"	0.550^{+}
	(0.168)	(0.168)	(0.248)	(0.168)	(0.169)	(0.168)	(0.243)	(0.179)	(0.183)	(0.258)	(0.180)	(0.179)	(0.181)	(0.254)
Social network	0.624"	0.630**	0.626"	0.177^{+}	0.610	0.625"	0.063	0.840"	0.840	0.847	0.405"	0.839	0.847	0.230
	(0.067)	(0.067)	(0.067)	(0.082)	(0.067)	(0.067)	(0.081)	(0.072)	(0.072)	(0.072)	(0.086)	(0.072)	(0.073)	(0.086)
Post 2001	0.701	0.757	0.723"	0.704	0.428+	0.696**	0.319	0.014	0.076	0.032	0.010	-0.072	-0.003	-0.289
	(0.168)	(0.167)	(0.167)	(0.166)	(0.173)	(0.168)	(0.170)	(0.201)	(0.208)	(0.201)	(0.199)	(0.207)	(0.203)	(0.204)
Regional FDI intensity	0.178	0.169	0.177	0.232"	0.159	0.105	0.068	0.136	0.076	0.129	0.217	0.136	-0.543"	-0.537"
	(0.060)	(0.060)	(0.060)	(0.060)	(0.061)	(0.076)	(0.074)	(0.077)	(0.078)	(0.077)	(0.078)	(0.077)	(0.099)	(0.100)
Ideological imprint × Political involvement (H2a)	(0.000)	0.558"	(0.000)	(0.000)	(0.001)	(0.070)	0.820"	(0.077)	1.226"	(0.077)	(0.070)	(0.077)	(0.077)	1.562"
racological implific of onlical involvement (112a)		(0.066)					(0.071)		(0.073)					(0.078)
Ideological imprint × Government appropriation (H2b)		(0.000)	2.523"				2.705"		(0.075)	1.991"				2.702"
according to a second s			(0.339)				(0.342)			(0.359)				(0.380)
Ideological imprint × Social network (H3)			(0.559)	1.114"			1.417"			(0.557)	1.313"			1.933"
ideological implifit ~ Social fictwork (115)				(0.134)			(0.140)				(0.162)			(0.173)
Ideological imprint × Post 2001 (H4a)				(0.134)	0.639"		1.105"				(0.102)	0.322		1.430"
ideological imprint × Post 2001 (H4a)					(0.039)		(0.115)							(0.221)
(dealers is all incoming to Provide all FDI interaction (II4b)					(0.108)	0.142						(0.209)	1 220"	
Ideological imprint × Regional FDI intensity (H4b)						0.143	0.281						1.229"	1.462"
					7 7 7 7	(0.090)	(0.093)	(170	(172	(170	6 470	6 470	(0.110)	(0.117)
Number of observations	7,767	7,767	7,767	7,767	7,767	7,767	7,767	6,472	6,472	6,472	6,472	6,472	6,472	6,472
Panel B: Sec								nel B of tab					0.007.	0.047**
Inverse Mills ratio	-0.107**	-0.111"	-0.105"	-0.108**	-0.103"	-0.105"	0.006+	-0.094"	-0.083"	-0.092"	-0.094"	-0.093"	-0.097"	0.047**
	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	(0.003)	(0.003)	(0.005)	(0.003)	(0.003)	(0.003)	(0.003)	(0.014)
Ideological imprint (H1)	-0.010**	-0.008"	-0.013"	-0.009"	-0.034"	-0.018"	-0.323"	-0.002	-0.014	-0.010+	-0.008	-0.060"	0.005	-0.629"
	(0.000)	(0.001)	(0.001)	(0.002)	(0.002)	(0.001)	(0.007)	(0.002)	(0.005)	(0.004)	(0.015)	(0.018)	(0.005)	(0.059)
Political involvement	-0.004"	-0.003"	-0.004"	-0.004"	-0.003"	-0.004"	-0.001	-0.020**	-0.021"	-0.019"	-0.020"	-0.019"	-0.022"	0.007
~	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	(0.000)	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)	(0.004)
Government appropriation	0.012"	0.009**	0.002	0.012"	0.017**	0.014"	0.000	-0.009	0.002	-0.030^{+}	-0.008	-0.008	-0.012	0.032^{+}
	(0.002)	(0.002)	(0.003)	(0.002)	(0.002)	(0.002)	(0.002)	(0.011)	(0.012)	(0.015)	(0.012)	(0.011)	(0.012)	(0.016)
Social network	-0.004**	-0.005**	-0.003*	-0.004	-0.003*	-0.003*	0.001	-0.028"	-0.025"	-0.028**	-0.029**	-0.028"	-0.029**	-0.011^{+}
	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	(0.005)	(0.005)	(0.005)	(0.005)	(0.005)	(0.005)	(0.005)
Post 2001	0.011"	0.010"	0.011"	0.011"	0.005	0.010**	0.002	0.064"	0.061"	0.064"	0.064"	0.059"	0.063"	0.029^{+}
	(0.002)	(0.002)	(0.002)	(0.002)	(0.002)	(0.002)	(0.001)	(0.013)	(0.013)	(0.013)	(0.013)	(0.013)	(0.013)	(0.013)
Regional FDI intensity	0.004"	0.004"	0.005"	0.004"	0.004"	-0.003"	-0.001	0.035"	0.035"	0.035"	0.035"	0.036**	0.040**	-0.021^{+}
	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	(0.001)	(0.005)	(0.005)	(0.005)	(0.005)	(0.005)	(0.006)	(0.008)
Ideological imprint × Political involvement (H2a)		-0.005"					0.060"		0.021					0.164"
		(0.001)					(0.001)		(0.007)					(0.016)
Ideological imprint × Government appropriation (H2b)			0.022"				0.230"			0.051^{+}				0.248"
· · · · · · · · · · · · · · · · · · ·			(0.005)				(0.005)			(0.022)				(0.030)
Ideological imprint × Social network (H3)			. ,	-0.000			0.122			. /	0.006			0.217"
÷ · · · · ·				(0.002)			(0.003)				(0.015)			(0.025)
Ideological imprint × Post 2001 (H4a)				,	0.025"		0.118"				,	0.059"		0.209"
o r ····· ····· (-····)					(0.002)		(0.002)					(0.018)		(0.023)
Ideological imprint × Regional FDI intensity (H4b)					(0.002)	0.016"	0.039"					(0.010)	-0.012	0.127"
according (1140)						(0.001)	(0.001)						(0.008)	(0.015)
				1,600		1.600	1,600	1.262	1.262	1.262	1,262	1,262	1.262	1,262
Number of observations	1.600	1.600	1.600	1 600	1,600	1 600								

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