Mutual Funds and Information Diffusion: The Role of Country-Level Governance

Chunmei Lin En saus Un e. rs t Rott for au

Massimo Massa INSEAD

Hong Zhang

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1. Testable Hypotheses and Empirical Specifications

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2. Data and Variable Construction

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2.1 Data sample and sources

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2.2 Information and governance proxies

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⁷ Aa wogua 19 Joanson (2005) To not see Grußen nte 19 8 м.н.е. а 19 a te 19 о е.



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Table 1
Descriptive statistics
P. a. A: D str ut ons

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•	N	Ma.n	SM ID	MIN	M Na.n	MAX	HI	H2	Н3	H4	H5	V1	V2	V3	V4	V5
Ass. t-Pr > ng C4. A. et r st >s of Sto-	to. s															
A	135 611	0.066	0.208	-0.064	9000	0.64	_0.031	_0.034	-0.015	110	-0 113	0000	-0.036	0.015	0.038	0 131
A rolle turn	135,629	0.000	0.200		0.000	0.581	0.018	0.03	0.01	0.038	0.113	0.022	0.030	0.07	0.030	0.096
Nos n Vo (from s -4-xtor	135.621	0.022	0.011	0.008	0.020	0.065	0.019	0.019	0.021	0.017	0.02	0.02	0.018	0.019	0.019	0.02
To an Vo (from 18 re 19 re	135.642	0.021	0.011	0.004	0.019	0.066	0.018	0.019	0.020	0.017	0.018	0.020	0.018	0.019	0.018	0.018
reustr 4-stor and	!															
RET	135.641	0.011	0.059	ī	0.012	1.278	0.014	0.014	0.018	0.00	0.016	0.01	0.00	0.013	0.016	0.024
DGTW	135,641	0.001	0.042	-0.151	0.001	0.115	0.004	0.007	0.008	-0.004	0.008	0.003	0.002	0.003	0.008	0.013
M/B	118,854	2.31	1.65	0.36	1.8	11.22	2.009	1.809	1.985	2.188	2.207	2.063	1.925	1.745	1.967	2.429
To ninge	135,642	1.39	0.79	0.58	1	7.82	1.539	1.337	1.506	1.532	1.559	1.365	1.403	1.358	1.383	1.79
Pu - A. 188 S u - Informetto	n for Stos s															
#Are strongs	167.269	8.74	7.97	1.00	00.9	74.00	13	16	16	14	12	21		18	10	∞
% Are. st Coe. P. ex	50	%4%	20%	13%	%99	100%	0.70	0.76	0.67	0.61	0.61	0.77		0.67	0.70	0.55
э	167,269	3.63	0.70	1.00	3.67	5.00	3.59	3.49	3.57	3.39	3.44	3.58		3.47	3.51	3.52
△R	165,162	-0.03	0.50	-4.00	0.00	4.00	-0.03	-0.03	-0.01	-0.02	-0.03	-0.04		-0.02	-0.03	-0.01
Sp. 179. F. G. S. A.R.	165,162	-0.05	09.0	-6.46	-0.03	6.05	-0.02	-0.03	-0.03	-0.04	-0.02	-0.02		-0.03	-0.02	-0.04
# M s P r Sto.	119,499	76.52	219.60	-	37	12322	21.21	19.53	17.63	14.78	14.43	31.88		18.30	15.18	14.28
% N S Coe. P. &	119,499	49.55	3.14	4.00	50.00	100.00	%89	26%	%19	26%	%09	64%		%19	20%	52%
NS	115,727	-0.10	3.52	-56.00	-0.01	66.50	50.3	49.8	49.6	49.0	50.1	49.7		49.6	49.8	50.4
ΔNS	115,723	-0.06	4.30	-58	0	66.5	-0.04	-0.10	-0.09	-0.32	0.46	0.18	-0.01	-0.26	-0.14	99.0
SELPE BOY DINS	115,723	-0.01	0.78	-10.18	0.00	14.28	0.003	0.001	-0.005	-0.009	-0.002	0.009		0.008	0.015	-0.032
t on			1					į					;			
	26,670,717	-2.21	73	-100	-3.13	100	-2.66	-2.74	1.32	-7.70	1.09	-2.68	-2.30	-1.98	-0.83	-1.73
u _rooi	93,300		0.070	0000	0.000	0.900	0.045	0.020	0.024	00.00	240.0	0.020	0.042	0.023	0.030	0.010
Further of 11-4. In the FOOL	104 570		0.00	0000	0.000	206.0	0.040	0.029	0.030	0.002	250.0	0.030	0.040	0.020	0.000	0.027
	27.5.40I		0.00	90.0	0.012	0.512	0.008	0.045	0.045	0.040	0.042	0.030	0.047	0.04	0.0069	0.009
With S. S. Di. Door	128,007		0.023	0 0	0.00	215.0	0 0060	0.000	0.0086	0.0110	0.000	00000	0.0086	0.0000	0.000	0.0000
	134.618		0.023	0 0	0.01	0.426	0.0105	0.0137	0.0125	0.0236	0.0108	0.0133	0.0133	0.0159	0.0103	0.0132
		- 1														

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Table 1

Continued

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		Auctural Igurat	Zero Return	No from Vo (from Here te te	No (frog. 6 ftstor	RET	DGTW Raturn	M/B	To nige	Hor zon#. S. #Pu _Poor	Krital. Kapu Poor	S the Good
Authority Iq until to R turn From n Vo (frough general factor of Son No (frough general factor of	ing ingustre specific) or specific)	-	(0.00)	0.008 (0.00) 0.15 (0.00)	0.048 (0.00) (0.00) (0.00) (0.00) (0.00)	-0.049 (0.00) -0.02 (0.00) (0.00) 1	-0.034 (0.00) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00)	-0.093 (0.00) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00)	0.001 (0.76) (0.76) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00) (0.00)	0.036 (0.00) (0.012) (0.31) (0.03) (0	0.039 (0.00) (0.00) (0.00) (0.82) (0.82) (0.83) (0.81) (0.81) (0.81) (0.82) (0.83) (0.73) (0.73) (0.00) (0.00) (0.00)	0.025 (0.00) (0.
Hor zong. Go	Hor zone. Go	<i>≫</i>	(rt 4. Go 0.59 (0.00)		Poor Go 0.58 (0.00) 0.89 (0.00)	D	85- osuæ 0.2 (0.25) 0.47 (0.01)		Ant _SD 0.46 (0.00) 0.02 (0.88)	Am	A Then sheet m- 0.16 (0.29) 0.11 (0.46)	CPI (0.00) (0.00) (0.00)
Poor Go Ds-osue: Ant_SD A Tilens 4.g. n- CPI					- -		0.38 (0.00) 1		(0.52) (0.29) (0.09)		0.34 (0.04) (0.08) (0.70)	(0.00) (0.00) (0.00) (0.00) (0.10) (0.10) (0.10)

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⁸ In our se p.e., furto turnoe r 4.52 g.2.n of -2.21% and a serio to aton of 73%. See p. norge to ests (Cp. g. r- on Mes sand Ko progoro -Sp. rno) organte nu 4. ote s s 4.1 to 2.72 e. 4.52 norge. The tuton, p. ng 4.1 so ge structure profess structure profess sand e. Serie ng E set on (1), are e. 4.2 seg une to unto rse in the forge to north a 2.72 e.

3. The Use of Semipublic Information and Quality of Governance

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3.1 Semipublic information and fund behavior

We egn still ng to the results. furths us equ. $u \rightarrow nforest$ ton ffer nt to each ng on to to foot rand of the sountr to store the nest n. Thus, for a furth, each get so the each and a containing of furth k ns the first of no of store is on the sum and the nest and the nest and the start of tone the ngot rand and so now a new tone of the sum and the nest and tone to each of sountry and tone of the start and tone to the ngot rand and tone so the start of tone and tone are and tone an

$$\%\Delta Hold_{i,k,t} = a_{k,t} + \lambda_{k,t}^* \Delta Re_{i,t} + \lambda_{k,t}^G G_i + \gamma_{k,t} \Delta Re_{i,t} \times G_i + c \times M_{i,t-1} + \varepsilon_{i,k,t},$$
(1)

Let $\%\Delta Hold_{i,k,l}$ at a stock energy at 2.1 ming of stoming in energy $ARe_{i,t}$ size and the 2.1 stock energy at 2.1 ming of stoming in energy at 3.1 ming of s

The 2 or orts to he he he he he are of the or ar so on the fire into his hours of the orest so of the country of the tops. We see that further all into he one are so on the start of the tops. He has of our tops. He has of our tops. He has of our tops. The area of our tops 22 in 3,2 on the second are a so of new area, in the country of the output of the country of the start of the second of the second of the country of the

⁹ We fo o Ke.-e. r-7 2.178 S. ru (2007) n 2. ngte. e. re. næ. g. 42.ng. n stor turnoe r2.t 100% (4.6% of te. stor turnoe r s2. oe. 100%). We 42.e. 2. so e. r fi \$142.t\$ fit or nth or \$1.08 nor su ts.

		-		0 0		
	1	2	3	4	5	6
$\Delta \mathbf{R}$	12.587***	1.725***	10.383***	14.124***	3.865***	11.628***
	(114.54)	(3.96)	(67.54)	(107.62)	(6.83)	(57.55)
$\Delta \mathbf{R}$ $(t-1)$				6.078***	5.675***	5.633***
				(48.76)	(44.01)	(43.44)
Hor zona. Go		-0.048			-2.330***	
		(-0.08)			(-3.23)	
ΔR *Hor zon? Go		30.434***			27.069***	
		(26.54)			(18.99)	
V rt → Go		, ,	-3.513*		, ,	-0.486
			(-1.77)			(-0.21)
ΔR *W rt - Go			25.608***			26.521***
			(9.37)			(7.53)
Mare t R turn $(t-1)$				66.733***	30.394***	19.874***
				(4.6)	(4.35)	(2.78)
In Sustr R turn $(t-1)$				61.302***	53.355***	51.532***
				(23.37)	(19.75)	(19.1)
Const.nt	10.874***	11.759***	10.391***	8.674***	10.299***	9.093***
	(125.57)	(50.6)	(96.09)	(35.34)	(29.94)	(41.32)
# Furn 8 nnu	104,957	104,955	104,939	104,933	104,927	104,888
A g R^2	0.038	0.098	0.097	0.142	0.194	0.193

Table 2
Governance and the fund-level use of semipublic information (first-stage regression)

This energy in the second of t

$$\%\Delta Hold_{i,k,t} = a_{k,t} + \lambda_{k,t}^* \Delta Re_{i,t} + \lambda_{k,t}^G G_i + \gamma_{k,t} \Delta Re_{i,t} \times G_i + c \times M_{i,t-1} + \varepsilon_{i,k,t},$$

Let $\mathcal{C} = \mathcal{C} = \mathcal{C$

- out s offing figures n-ountes shoor goe rise near number of the act 17.2% in 17.8% for Pruning C. is., - - - e e orstoe P. Petings for or zone and ertal goe rise near a seate. , and 15.6% and 16.8% in the file orst - ountes (Pru, Argentia, M. - o, P. e s, and S. an for - or zone goe rise near file is., Pru, Indoor sa., Sr Is near the Rose na for e rtal goe rise near 10 A teas number research set stal s gn file nt. In 2.50 t on, teas et su teat is near a universal for e furter r-ontro for a gentle in a normal ton.

We conclude to (1) to fine to further equations at the turn the upper of some upper of R^2 of R^2

(furth us of a u. u \rightarrow nfor us to n \rightarrow ounters $^{+}$ good goe rulene). It a sare she us of a u. u \rightarrow nfor us to n \rightarrow on a to n on strong nst tut ons. The a \rightarrow of u. sur /!,1S \rightarrow 28 s

Table 3
Fund performance and the fund-level use of semipublic information

	1	2	3	4
	Hor zon8.	V rt →. Fund SemPub Poor	Hor zon#.	V rt →.
Fund SemPub_Poor	0.403***	0.419***	0.274**	0.294**
	(4.12)	(3.99)	(2.26)	(2.32)
Fund Pub_Poor			0.122	0.176
			(1.03)	(1.42)
Fund SemPub_Good	-0.384***	-0.416***	-0.164	-0.18
	(-3.65)	(-3.84)	(-1.37)	(-1.48)
Eens Reto	-0.085***	-0.087***	-0.083***	-0.082***
	(-9.82)	(-9.9)	(-8.58)	(-8.28)
Turnoe r	-0.019	-0.018	0.014	0.016
	(-1.18)	(-1.12)	(0.77)	(0.91)
Fun S a	-0.024***	-0.024***	-0.016***	-0.016***
	(-8.13)	(-8.05)	(-5.1)	(-4.88)
Const. nt	0.559***	0.570***	0.400***	0.388***
	(8.99)	(8.99)	(5.82)	(5.56)
Countr -2.178 Y2.r-Fe 9. Eff -sts	Y s	¥ s	¥∕s	Y s
O & rations	27,078	26,381	21,631	21,209
R^2	0.049	0.049	0.055	0.055

This is extracted as the second of the secon

for u - nforunt one: Que ste sue and un moue en ton roe us 2. ross rounte s. Aft r 2. nge st. se ¶ te et quat r et su ts 2.es ¶ on 2.18. sts, to e.e. r, te. s to - -s to et sts ro to a new rousters see - to furte r 2. That our at ous 2.12. As s. The furth us of u - nfor 12.12 ton s e stylet a nout ng no E us t on (1) te u o nforget on cress a froge a s.a. (ΔNS) 2 in ts not 2.4 to n Δ 4 sountr goe rin no. In the notes st of ext, e. ex orthe exsuts of the sauge net of first-sauge exgress on n te. Int ra t A e in . It suffices to s. 12.t, n te first-se e et et ss on, te. arta R² of the net R-st onet rula o sus to the fine the n-er of no. of oor goe rink new on furth use of use u - nfor the ton. We to next the s a.ra. e. a.s Fund Pub_Poor. In so u.u.ns 3a.ra 4, e. e. orthe. ... a.st of Fund Pub Poor on fur e rfor e ne sa - -sa t-tat of Fund SemPub Poor. We alnese talthe state of u santage u s nfor pot ton So snot sor te.e. 2.19 tor oe rofte us of sou u → nforunt on on furthe rfor ne a ritte et s noet a ton e tee n'e us of us u nformet on (Fund Pub Poor) and e rformene. The e er su tsaler sons et nt the our net rectation of examination and a state our the oe of te.e. u. r. a. ro.

4. Effects on the Stock Market

In this seat on, e. et act oor goe mans - Mus we us of sea u u - nfor at on (SemPub_Poor) to stor the sea of sea.

4.1 Stock liquidity and idiosyncratic volatility

We go ne st 3.t ngte w. 3. st of SemPub_Poor on stos q ut 1 2.170. To snsp.ts out t. We st we to so ng:

$$Char_{i,t+1} = \alpha + \beta_1 \times SemPub_Poor_{i,t} + \beta_2 \times SemPub_Good_{i,t} + c \times M_{i,t} + \varepsilon_{i,t+1},$$
(2)

ear $Char_{i,i+1}$ site on error and stored and stored and experiments of the experiment of the

The 4 or to the or su to of the set of the set of the set of the sus of the s aste te te not arae. In so unns 1 to 4, q ut t s roet Author (2002) a sur, sour ut saste of remotion a. so use ex turn e. r no a r of then ng o u.a. W. furte. r nontro for sa some t nte s rt of Conta, Serar, and Su Augenau (2005), Hence T, Kang a. 171 V s a. 18. 4 a. n (2010), a. 171 Karo , be , a. 171 Van D j (2012), a. s va e. van D A e. n. B. Co un s 5 to 8 fin a u t 2 s te. ro ort on of a ro firma turns nº e r 🔊 (Zero Return). B e ne o . (2007) a monstra tectr. s Assure tra turiste wasts of unit then the tone assures subas turnoe r, ne a rgngan re ts. 12 Co ununs 1, 3, 5, a n 7 e e nt our an n er su ts. As a ro uste ss 🔩 -, e. a so -ontro for te firm goe mane in from Agar a.e. ta. (2009) nte et de nng soudins, as e. asa Supul ara e tata e ste a e of 1 te nte firm goe mane no sa a a e and a roote r a notatro sontro for te at not fie to st of firms tentano note e sor opet goe rin ne a. e. 13 F in , e. fo o Go a a re ta . (2012) and furte roontro for are e states no n to aff of firm unit, sulva ste e e of a su oe rte tor a se to of te firm (O. s./TA), a r. e. e. 18 tuer s (CAPEX), er turns on 2 ses ts (ROA), 2 18 te. u 2 18 40 er turn oe rte e ous s mont s (MOM).

We find strong oste some at one teen n SemPub_Poor and q until a sross tee. If first nt sees first one and for tee a et mate as such sof goe mane. A one -series of a ton n-orace on SemPub_Poor of find not must of sor zone goe mane see at toan 11% for the resulting until a 1.4% ro or on of a role turn sees. The analogous figures for extra goe mane are 15% and 2.9%. The are suits are units experience of mane are such as a first on not sees some of firms experience.

The 5 or orts the or su ts for the se of first ons n the son of ts sus stands of the sus stands of the

¹³ Squar to our ~ountr e.e. goe mana, e. norqua es tes firque e. goe mana ma th. 1 for tes e.a.e. st goe mana a ma 0 for tes e.s. goe mana.

The e sonows ϕ on the for the expression of y=

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Illiquidity and the use of semipubli	ic information						
1		2 3	4	5	9	7	∞

Value Hor zon8 Co.10 0.427**** 0.410**** 0.089*** 0.083*** 0.427**** 0.410**** 0.089*** 0.083*** 0.04 0.039 0.062 0.057 0.086 0.063 0.062 0.057 0.086 0.053 0.1.4) 0.131* 0.066 0.067 0.057 0.311 0.249 0.250 0.45 0.676 1.489 0.153 0.045 0.676 1.480 0.150 0.046 0.046 3.91 0.250 0.045 0.046 3.91 0.256 0.045 0.046 3.91 0.250 0.046 0.046 3.91 0.250 0.041 0.024 3.91 0.250 0.041 0.037 0.78 0.057 0.041 0.066* 3.91 0.237*** 0.000** 0.000** 0.039**** 0.037*** 0.037 0.041** 0.039*			1		-	,			
Hor roak Go W rt 4 Go U c c c c c c c c c c c c c c c c c c			A JUNE I	a na n			E TO	K turn	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		Hor 30		¥ 11 €		Hor 301			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	& #Pu Poor	0.336**	0.341**	0.427***	0.410***	0.089**	0.083**	0.072**	0.064**
U_Good −0.024 −0.039 −0.062 −0.057 −0.06 U_Good −0.024 −0.039 −0.062 −0.057 −0.06 30 −0.043 −0.043 −0.053 −0.063 −0.063 −0.06 30 −0.063 −0.063 −0.063 −0.063 −0.063 −0.06 2.5 −0.063 −0.063 −0.063 −0.063 −0.067 −0.06 2.5 −0.063 −0.063 −0.063 −0.067 −0.067 −0.067 1.8 −1.36 −1.38 −1.38 −0.045 −0.067 −0.045 −1.50 −1.36 −1.38 −1.38 −0.045 −0.045 −0.067 −1.50 −1.36 −1.48 −1.39 −0.045 −0.045 −0.067 −1.50 −1.53 −1.48 −1.51 −0.045 −0.045 −0.045 −1.50 −1.53 −1.48 −1.51 −0.045 −0.045 −0.046 −0.045 −1.30 −1.30<		(2.54)	(2.43)	(3.82)	(3.44)	(2.01)	(2.19)	(2.21)	(2.01)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	S the Good	-0.024	-0.025	-0.04	-0.039	-0.062	-0.057	-0.06	-0.055
Solution −0.063 −0.063 −0.0131* Solution −0.063 −0.063 −0.0131* Solution −0.063 −0.063 −0.063 Solution −0.063 −0.063 −0.173 Actions −1.366 −1.922 0.45 0.467 0.457 TA −1.866 −1.962 −1.972 0.45 0.460 0.457 −1.866 −1.962 −1.972 0.45 0.460 0.457 −1.50 −1.50 −1.972 0.45 0.457 0.457 −1.50 −1.50 −1.50 0.457 0.457 0.457 −1.50 −1.50 −2.50 0.457 0.407 0.057 −1.50 −1.50 −2.50 0.057 0.037 0.057 0.057 −1.50 −1.50 −2.50 −2.50 −2.50 0.057 0.037 0.057 −1.50 −1.50 −2.50 −2.50 −2.50 −2.50 0.041 0.057		(-0.42)	(-0.47)	(-0.86)	(-0.93)	(-1.4)	(-1.45)	(-1.46)	(-1.51)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Fra Go		-0.063		-0.063		-0.131*		-0.131*
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			(-1.37)		(-1.36)		(-1.65)		(-1.65)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Fo_ST	16.988**	17.446**	16.930**	17.387**	0.43	0.311	0.417	0.298
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		(2.5)	(2.58)	(2.49)	(2.56)	(9.0)	(0.46)	(0.58)	(0.45)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	G-S-/TA	-1.866	-1.962	-1.86	-1.952	0.45	0.676	0.457	0.683
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		(-1.5)	(-1.53)	(-1.48)	(-1.51)	(0.82)	(1.11)	(0.82)	(1.11)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6 . E	-5.030***	-4.890***	-5.026***	-4.886***	-0.405	-0.416	-0.405	-0.416
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		(-3.9)	(-3.88)	(-3.91)	(-3.88)	(-0.74)	(-0.74)	(-0.74)	(-0.74)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	ROA	0.167	0.224	0.168	0.225	0.057	0.037	0.057	0.037
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		(0.78)	(0.97)	(0.78)	(0.97)	(0.4)	(0.28)	(0.4)	(0.28)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	OI	-9.700***	-8.552***	-9.740***	-8.588***	-0.427	-0.415*	-0.427	-0.415*
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		(-4.35)	(-3.71)	(-4.36)	(-3.71)	(-1.54)	(-1.69)	(-1.53)	(-1.68)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	MOM	-0.039***	-0.038***	-0.039***	-0.037***	-0.007**	*900.0—	-0.007**	+900.0-
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		(-5)	(-5.3)	(-5.01)	(-5.31)	(-2.09)	(-1.96)	(-2.08)	(-1.95)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	BM	1.878***	1.984***	1.873***	1.980***	-0.292	-0.244	-0.291	-0.243
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		(5.81)	(4.9)	(5.84)	(4.92)	(-0.75)	(-0.79)	(-0.75)	(-0.79)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	LogS a	0.01	0.007	0.009	0.007	-0.011*	-0.011**	-0.011*	-0.011**
LLGO) 0.097*** 0.097*** 0.097*** 0.056 LLGO) 0.050*** 0.055** 0.055** 0.257** 0.257** 0.255*** 0.255*** 0.255*** 0.255*** 0.255*** 0.255*** 0.255*** 0.255*** 0.255*** 0.255*** 0.255*** 0.257** 0.201) LLGO) 0.170		(1.2)	(0.9)	(1.18)	(0.88)	(-1.93)	(-2.13)	(-1.94)	(-2.14)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Dupapa. (FrancGo)		0.097***		0.097***		0.056		0.056
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			(4.57)		(4.56)		(1.57)		(1.57)
(-1.77) (-1.3) (-1.75) (-1.29) (2.01) (2.23) (2.01	Cons@nt	-0.309*	-0.224	-0.307*	-0.222	0.255**	0.257**	0.255**	0.256**
HE 15		(-1.77)	(-1.3)	(-1.75)	(-1.29)	(2.01)	(2.23)	(2.01)	(2.23)
Edit Als 102,773 102,773 102,758 102,776 102,776 102,761 0.519 0.214 0.2 0.214 0.575 0.583 0.575	Countr 4.17	s He	s Sef	S Est	S X	s X	s ≱e≨	s Fer	s Þei
102,773 102,773 102,778 102,776 102,776 102,776 102,761 0.199 0.214 0.2 0.214 0.214 0.575 0.583 0.575	Kar-Fe TEF ats								
0.199 0.214 0.2 0.214 0.575 0.583 0.575	O & rat ons	102,773	102,773	102,758	102,758	102,776	102,776	102,761	102,761
	R^2	0.199	0.214	0.2	0.214	0.575	0.583	0.575	0.583

The steam outstands as uts of the foongs. and any seson:

 $Illiq_{i,t+1} = \alpha + \beta_1 \times SemPub_Poor_{i,t} + \beta_2 \times SemPub_Good_{i,t} + c \times M_{i,t} + \varepsilon_{i,t+1}$

்கள் *Illiq_{i,i+1}* she g until of stor i, roe. இ Aydan g until and a making of a room turns; *SemPub_Poor_{i,i}a*. Also *SemPub_Good_{i,i}a*. A. on anger garance a gas and a second of the store store store and a second of the second of the store store store and the second of the se (Flow Sta), he c.e. of 4.5 c.e. rto 8.4 st of firtus (CashITA), 4. 8 c. e. in the s (CAPEX), or turn on 2.5 st (ROA), in that one of in 5. (10), he is a resistant and turn of the constant of orsente. Te sene no usa strans per mis os ratonsoe re e rosa 2000 to 2009.

 Table 5

 Idiosyncratic volatility and the use of semipublic information

	1	2	3	4	S	9	7	∞
	Q	関 os n	Vo-8.t t froqu. 19.qa814tn-1%-x-9k->to	ıs		Mosn×#at- InMustraan	関os ns-flt Voa.t t froqu In Wustr a. nで Ma. re. t Flt - stors	
	Hor zona. Go	₩. Go	Wrt & Go	Go	Hor zona. Go	r Go	¥ rrt	Wirt.4. Go
& u.Pu _Poor	0.025***	0.026***	0.021***	0.022***	0.024***	0.025***	0.018***	0.019***
	(4.94)	(4.99)	(3.91)	(3.84)	(4.16)	(4.28)	(3.52)	(3.48)
S a Pool	0.011***	0.011	0.012***	0.012***	0.010***	0.010***	0.011***	0.011
	(5.21)	(5.33)	(5.54)	(5.65)	(4.45)	(4.49)	(4.72)	(4.79)
Fra Go		0.009		0.009		0.010***		0.010***
		(4.42)		(4.42)		(5.53)		(5.53)
Fo_S	1.941***	1.833***	1.932***	1.824***	1.775***	1.682***	1.762***	1.669***
	(4.38)	(3.66)	(4.4)	(3.67)	(4.63)	(4.33)	(4.65)	(4.37)
ICRG Po 14.	-0.020***	-0.018***	-0.020***	-0.018***	-0.019***	-0.017***	-0.019***	-0.017***
	(-5.09)	(-4.99)	(-5.07)	(-4.98)	(-4.73)	(-4.94)	(-4.69)	(-4.9)
Gr 🕶 torr 🕵 ts	-0.002	-0.002	-0.002	-0.002	-0.001	-0.001	-0.001	-0.001
•	(-1.54)	(-1.35)	(-1.54)	(-1.35)	(-0.89)	(-0.76)	(-0.9)	(-0.77)
Ant Ma -torr gas	0.031	0.041	0.03	0.041	0.078	0.088	0.	

Table 5 Continued

	I	Mos manta No.	Voatt froqu Beque-Fern≪s-Asstor	s		Nosn-19.1	. Voa.t t froqu. Mare t Bastors	
	Hor zon	æ. Go	Ø rt ⊅	. Go	Hor zon&.	na. Go	Ø rt s	a. Go
De taeturt	0.022	0.025	0.022	0.025	-0.011	-0.007	-0.01	-0.007
	(0.52)	(0.59)	(0.52)	(0.59)	(-0.31)	(-0.22)	(-0.3)	(-0.21)
R&D	0.015***	0.014***	0.015***	0.014**	0.020***	0.020***	0.020***	0.020***
	(5.08)	(5.17)	(5.1)	(5.19)	(6.75)	(6.81)	(6.78)	(6.84)
Z ro R turn	0.037	0.147	0.038	0.148	0.118	0.24	0.119	0.241
	(0.08)	(0.33)	(0.08)	(0.34)	(0.27)	(0.58)	(0.28)	(0.58)
Ag (0g)	-0.001***	-0.001***	-0.001***	-0.001***	-0.001***	-0.001***	-0.001***	-0.001***
•	(-3.05)	(-3.15)	(-3.07)	(-3.17)	(-2.59)	(-2.71)	(-2.61)	(-2.73)
কু কু	0.075***	0.074***	0.075***	0.073***	0.072***	0.071**	0.072***	0.071**
•	(2.71)	(2.67)	(2.72)	(2.67)	(2.59)	(2.56)	(2.59)	(2.56)
OI	-0.048	-0.02	-0.048	-0.019	-0.127***	-0.098**	-0.126***	-0.098**
	(-1.08)	(-0.89)	(-1.07)	(-0.86)	(-4.95)	(-2.24)	(-4.96)	(-2.23)
BM	2.677	2.609	2.673	2.606	2.955	2.86	2.95	2.855
	(0.64)	(0.62)	(0.64)	(0.62)	(0.74)	(0.71)	(0.74)	(0.71)
LogSa	-0.002***	-0.002***	-0.002***	-0.002***	-0.003***	-0.003***	-0.2/T1_2 1 Tf	(0)Tj#.4776 0 326.78

fo o Berthen, Bro n, and Stu 7 (2012) and B a rt, Hour , and Zang (2012) to some ut so nakets out t using an net met one a rs on of the B. A. Store and that is a so so on the some start one a so a so or or nao ununs 5 to 8 th a rs ut sa so on so nakets out t some ut sung and that some ns or insustrant and are that or out t some ut sung are that one ns or insustrant and are that or not so not see a see r. Our are su ts so not so not see ne us other flator and s, na using the CAPM and the some start so

Fig. , name ton to be sommon sontro a.r. e.s, e. fo o Berta a, Bro n, a.m. Stu 7 (2012) a.m. furber r sontro for a. st of a.r. e.s. t.a. a. ff st oat t n be go a. where t, no uning ICRG Po t.a. rs, be set tor rights in , be anti-fier stor in , storage re t turnoe r, storage re t.a. a. a.t on (%GDP), reat on where t (%GDP), ut there t e.a. a.t on, as some , PPE/TA, ROA, C.s./TA, at the turn t, R&D, Z ro R turn, a.g. (og), a.r. be e.a.g. A be a a.r. e.s. a.r. b fin a n A e. in B.

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The about one et stone staget size and at of SemPub_Poor on the stone et at on to each of an order of the new tensor of

$$Ret_{i,t+1} = \alpha + \beta_{1g} \times SemPub_Poor_{i,t} \times D_{Good} + \beta_{1b} \times SemPub_Poor_{i,t}$$

$$\times D_{bad} + \beta_{2g} \times SemPub_Good_{i,t} \times D_{Good} + \beta_{2b}$$

$$\times SemPub_Good_{i,t} \times D_{bad} + c \times M_{i,t} + \varepsilon_{i,t+1}, \tag{3}$$

Let $Ret_{i,t+1}$ steen restriction of story i, role of the restriction of the DGTW of turn, D_{good} and D_{bad} are supported by the state of i to osteel and a steen some solution. Sem $Pub_{-}Poor_{i,t}$ and $Sem Pub_{-}Good_{i,t}$ are the use of some i and i to one good good i and i to i and i to i and i

The ex su ts 2 ex ex out on P. a. A of T. e. 6, the so upons 1 to 4 for P. a. turn 2 nd 5 to 8 for DGTW2. Just of a turns. The ex ex su ts 2 ex sons st nd 3 ross. The se site is 10 to 10

As an a set to me rousine se see a , e a so que que nota ortro o-ace se a se s s. The ce su ts, see a ort nour Internet A e in acquire a te a large want a te a su a set a te a su ts sonfirm our or not one set at the us of ce que a soft and the us of ce que a soft and the second and the seco

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 Table 6

 Firm value and the use of semipublic information

Se plus Free R turn DGTNVG turn DGTNVG turn Se plus Free R turn Free R turn DGTNVG turn DGTNVG turn Se plus Poor Dgorg Hor zonk Go 131*** 0.093*** 0.093*** 0.093*** Se plus G5 plus (5.12) (3.13) (3.14) (3.14) (3.14) (3.15) (3.17) (3.17) (3.18)	Factor A. Store er itoriale near italia qui	IN SAMPU POOR TO INTO	e ntorige ton Tugage.						
Hor zoniii Go ii Vi Ti + Go Hor zoniii Go Vi Vi Vi Ci Vi				turn			DGTW	r turn	
Poor* D go/h D (150***)		Hor zon	A. Go	Ø 11 ♣	Go	Hor zon		W nt 49.	Go
Cook	S #Pu _Poor* Dgo@	0.150***	0.149***	0.087***	0.085***	0.131***	0.13***	0.094***	0.093***
Coordination Coo	1 d d	(5.08)	(5.12)	(3.31)	(3.16)	(5.26)	(5.38)	(4.92)	(5.07)
Google Door 0.053 0.052 0.0544 0.033 0.053*** 0.0529*** 0.0604**** Google Door 0.079 0.079 0.076** 0.0344 0.033 0.053*** 0.053*** 0.0604*** Google Door 0.079 0.070* 0.058*** 0.066*** 0.0031*** 0.00315*** 0.00315*** 0.00315*** 0.00315*** Google Door 0.008 0.0002 0.0031 0.0031 0.00315*** 0.00316***	a tirku _roof- Day	(-2.77)	(-2.77)	(-2.71)	(-2.69)	(-4.09)	(-4.11)	(-4.26)	(-4.24)
Cool	S the Good*Door	0.023	0.022	0.0341	0.033	0.053***	0.0529***	0.0604***	***90.0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	** P. C. ** *D G. **	(0.79)	(0.76)	(1.28)	(1.23)	(2.94)	(2.94)	(3.48)	(3.49)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		(-3.15)	(-3.18)	(-3.21)	(-3.25)	(-2.92)	(-2.96)	(-2.71)	(-2.75)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Fra Go		-0.002		-0.002		-0.0025		-0.003
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	π S	-2.3517	(-0.39) -2.2778	-2.3497	(-0.39)	-0.916	(-0.45) -0.8785	-0.8948	(-0.44) -0.857
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		(-0.7)	(-0.68)	(-0.7)	(-0.68)	(-0.8)	(-0.75)	(-0.78)	(-0.74)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	MOM	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001	-0.001
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		(-0.32)	(-0.25)	(-0.33)	(-0.26)	(-0.66)	(-0.6)	(-0.66)	(-0.61)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	කි මේ වෙ	-0.758	-0.753	-0.758	-0.753	-0.219**	-0.216**	-0.219**	-0.216**
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		(-1.08)	(-1.07)	(-1.08)	(-1.07)	(-2.25)	(-2.24)	(-2.25)	(-2.24)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	OI	-0.419	-0.363	-0.409	-0.351	-0.326***	-0.293***	-0.326***	-0.287***
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		(-1.06)	(-0.94)	(-1.02)	(-0.91)	(-5.72)	(-4.66)	(-5.72)	(-4.64)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	BM	0.024	0.038	0.030	0.043	-0.286***	-0.277***	-0.286***	-0.273***
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		(0.56)	(0.81)	(0.68)	(0.92)	(-7.37)	(-8.53)	(-7.37)	(-8.43)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	LogSa	-0.003***	-0.003***	-0.003***	-0.003***	-0.001***	-0.001**	-0.001***	-0.001**
(1.15) 0.0044 0	į	(-2.71)	(-2.73)	(-2.65)	(-2.67)	(-2.69)	(-2.52)	(-2.69)	(-2.44)
0.117*** 0.121*** 0.117*** 0.120*** 0.023*** 0.025*** 0.0228*** (5.43) (5.63) (5.43) (5.63) (5.43) (2.69) (2.43) (2.63)	Dupper (Frp. Go)		0.0044		0.004		0.003		0.003
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Cons#.nt	0.117***	0.121***	0.117***	0.120***	0.023***	0.025**	0.0228***	0.0249**
X².1 Fe [™] Eff → Is X².8 X².		(5.7)	(5.43)	(5.65)	(5.4)	(2.69)	(2.43)	(2.63)	(2.39)
96103 96091 96103 96091 96103 96103 96091 0.224 0.224 0.224 0.018 0.02 0.017		s Sej	s Æ	s Es	s Æ	s Þá	s Ø	s Þá	s Fef
0.224 0.224 0.224 0.018 0.02 0.017	O & ratons	96103	16096	96103	16096	96103	96103	16096	16096
	R^2	0.224	0.224	0.224	0.224	0.018	0.02	0.017	0.02

(6.34) (6.34) (6.33) (6.33) (6.34) (6.34) (6.34) (6.34) (6.34) (6.37) (6.34) (6.37) (6.37) (6.33) (6 -0.164* (-1.95) 0.105*** (2.73) 0.098*** Writ 4. Go -0.258*** (-3.06) 0.106*** (2.75) / ŋ, -0.160* (-1.83) 0.101*** (2.63) 0.098*** L_O 9 Hor zona. Go -0.237*** (-2.72) 0.101*** (2.62) -43.376*** (-6.16) 0.131*** (69.44) S -0.267**
(-2.41)
0.157***
(3.10)
0.122***
(5.96)
-5.818***
(-6.172*** 4 Writ . Go __0.399*** (_3.59) 0.158*** -65.293*** (-7.03) 0.170*** (68.29)(3.11) 3 M.re. t-to-Boo (5.97) -56.721*** (-6.13) 0.172*** (69.25) 7 Hor zone. Go -0.363*** (-3.16) 0.152*** -65.157*** (-7.02) 0.170*** (68.29)(3.01) P.a. B: Fran. 2. a. 2. 178 S. a.Pu _Poor S aPu _Goom & #Pu Poor Fo_SA Fru Go LogSa

Table 6 Continued

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The n joint the sea suits suggest that, and notifies and sea sea row in requesting information in anomals so the congoe mane. However, the most much than offsets the cost energy for the row of mutual funds that sea to row single mutual funds the sea of the sea of

5. Extensions

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5.1 The use of semipublic information and the financial crisis

To und resume the most of oor-goe runne - induction u months from the most of oor-goe runne - induction u most of semPub_Poor and SemPub_Good affect with the most of semPub induction in semPub_Good affect with the most of semPub induction in section in the most of semPub induction in section in the most of semPub induction in the most of semPub ind

¹⁶ Atworks note rater stofs as e on a wat to an erger scons two ountrantear fields iff stantear ountrantear e. ountrantear e. our panton on sons note except sagate a soro ust to Baga-March. ergers sons.

Table 7 Crisis period liquidity crunches

2 3 1 4 $\Delta A_{\boldsymbol{q}} \boldsymbol{\vdash} \boldsymbol{u} \boldsymbol{\triangleleft} \boldsymbol{I}_{\boldsymbol{q}} + \boldsymbol{u} \boldsymbol{\triangleleft} \boldsymbol{t}$ $\Delta \mathbf{Z}$ ro \mathbf{R} turn Hor zon?. Go W rt ♣. Go Hor zon?. Go ¥ rt ♣. Go 0.128*** 1.008*** 0.921*** 0.112*** & .Pu _Poor (3.62)(3.45)(2.96)(3.57)-0.619*** -0.613*** & uPu _God 0.006 0.003 (-5.06)(-5)(0.37)(0.16)Fo _SM 1.492 -6.074-6.1881.474 (-0.63) -3.781*6*3..613 (-0.64)(1.18)(1.19)O.S./TA

Table 8 Crisis period return and pre-crisis SemPub_Poor

1 3 2 4 DGTW R turn ΔM-re. t to Boo Hor zona. Go ¥rt - Go Hor zon?. Go V rt - Go -0.217*** -0.17*** -2.835***-2.231*** & .Pu _Poor (-4.16)(-3.41)(-4)(-3.33)-0.011& Pu Goo 0.032 0.026 -0.092(1.42)(1.15)(-0.04)(-0.3)Fo _S₹ -2.326-2.239-15.323-13.979(-0.96)(-0.92)(-0.43)(-0.4)-0.883*** -0.883*** E e #.@ (-4.25)(-4.25)-0.773*** Ю -0.777***(-6.44)(-6.46)0.017*** 0.017*** MOM (20.38)(20.38)ВМ 0.128 0.126 (0.4)(0.39)0.001** 0.001** 0.033*** 0.032*** LogS a (2.21)(2.14)(11.75)(11.61)0.723*** 0.722*** R&D (8.75)(8.74)ROE -0.640*** -0.636*** (-7.47)(-7.43)-1.089*** -0.03*** -1.093*** -0.03***Consant (-19.28)(-19.18)(-5.86)(-5.75)Countr -Fe. ♥ Eff -ts YX s Y s YX s Y s 7,756 7,756 O & rat ons 7,826 7,826 R^2

it our notes 2008–2009 ars ser of a finite nation not on the retoro of the strong teacher at a series of the ars series. We also also also notes in the nation of the ars series at the content of the ars series at the content of the ars series at the content of the art of the

5.2 Endogeneity Issues

On of nt. -one rn statte -oe of ss ts nte fund ortfo os ungsteen more nous that se at to be goe rn ne engle: nutth funds it such ne stand nass ts to be goe rn ne engle: nutth funds it such ne stand nass ts to be to so sn guide eau u - nforunt on for tees stores. In other of so, SemPub_Poor it ro for some uno engle of the assets to the sus of ne stors to be assets to the assets to nforunt to nforunt on an analy unasset of the assets to goe rn ne assets.

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Sould not be a soften end of the funds for the store so some of the notation of the store of the

Ane et st & Les on te fo o ngt oer gerssons:

$$\Delta H_{i,c,t} = \alpha + \beta_1 \times \Delta CPI_{c,t} + \beta_2 \times SemPub_Poor_{i,c,t-1} + \beta_3 \times \Delta CPI_{c,t}$$

$$\times SemPub_Poor_{i,c,t-1} + \varepsilon_{i,c,t}, \tag{5A}$$

$$\Delta SemPub_Poor_{i,c,t} = \alpha' + \beta'_1 \times \Delta CPI_{c,t} + c \times M_{i,c,t} + \varepsilon_{i,c,t}$$
 (5B)

the at $\Delta H_{i,c,t}$ size e is now the following of sto i in the legal at which further of n_{S} or order on a ountr c (e at the storest e storest e in the storest e

The crears and the one s set at β_3 to enosteen the ton (5A) ends where the first set of the crears are set at the crear set of the crear s

5.3 Robustness checks

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Table 9 Endogeneity test

	1	2	3	4
	De na nt a ra	$\Delta e = \Delta H_{i,C,t}$	De na nt a.ra. e.	$= \Delta SemPub_Poor_{i,C,t}$
P.A. o. ctr	Hor zona. Go	¥ rt ♣. Go	Hor zon% Go	¥ rt ♣. Go
ΔCPI	0.01	-0.004	0.11**	0.15***
	(0.79)	(-0.34)	(2.44)	(3.12)
& •Pu _Poor _{→,t-1}	-0.526***	-0.455***		
, ,	(-4)	(-3.73)		
ΔCPI* & Pu Poor -t-1	-1.066**	0.538		
, – , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(2.15)	(1.15)		
IO	-5.495***	-5.453***	4.698	0.497
	(-5.5)	(-5.45)	-1.17	-0.12
MOM	0.108***	0.108***	0.027	0.024
	(17.04)	(17.03)	-0.94	-0.8
BM	1.976*	1.967*	0.068	3.341
	(1.73)	(1.72)	-0.02	-0.78
Logs 🛚	0.008***	0.009***	0.012	0.004
•	(4.47)	(4.53)	-1.59	-0.53
Consant	-0.039	-0.042	-0.358*	-0.208
	(-0.79)	(-0.84)	(-1.81)	(-0.99)
O & rat ons	56,142	56,142	51,066	51,066
R^2	0.047	0.047	0.006	0.005

The Rear orts the ar su ts of the fo o ngt o an ar gar ss ons:

 $\Delta H_{i.c.t} = \alpha + \beta_1 \times \Delta CPI_{c,t} + \beta_2 \times SemPub_Poor_{i,c,t-1} + \beta_3 \times \Delta CPI_{c,t} \times SemPub_Poor_{i,c,t-1} + \varepsilon_{i,c,t},$

 $\Delta SemPub_Poor_{i,c,t} = \alpha' + \beta'_1 \times \Delta CPI_{c,t} + c \times M_{i,c,t} + \varepsilon_{i,c,t}$

The crown of states of the st

sons set nt that surface to or goe rine ne que es fuir sur es sur u s nforque ton. It quot es que u s nforque ton.

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To pen er sutse per group. The A2 n the Instruct A en fill. Frst, sontrong for stort-see sonsteints the snote sor the pension of SemPub_Poor on srsser of 2.12. e.s., nsuffing the srsser of DGTW

ex turn 2 m Aut and quart. So some, the net post on exteen short-see sonst nts 2 m SemPub_Poor 2 s ns on firent un 2 sts. The so os r 2 t ons sonfirm to t (e. 2.) goe runne sont unt to the crent go 2. finens 2 sr s s n 2. 10 no r to t s firent to the range on ons 2 m short-see sons to nts.

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The A3 note Instruct A entropy so start ear goe mane us note a act mate, goe mane roles set at to furth the act rs' us of a the another and rentered to no. We also a set at the furth poor note as a qualitation. The another as the act another act on of store at turn to a the act another another another as an act another act and a set another are set of a

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In ton to the same no ustans same as, e. a. so sho that our use no sons us ons acr ro ust fee us a. s in the goe mana inters of Acamoguant Johnson (2005) or a. that nour use not sts, the s intersection of acres name a sonal and not one or sonal as a sonal and not one of semple poor, or the new strates and the same to the not account as the sount as the section of semple poor, or the new strates and the sount as the sount as the section of semple poor, or the new strates and the sount as the sount as the section of semple poor as the sonal acres of the sonal

Furte race, t one mute a trons of stating E atoms (1) and (3) e. \P s μ 2 r \rightarrow on \rightarrow us ons. As e. μ nt on \P n not 10,2 m2 et m2 te. 2. toet st E ut on (1) s to first some ut te furth us of some u son for ut ton tout Let $R \to t \log s$ u. u. $\to t \log s$ on $t \to t \log s$ and $t \to t \log s$ and $t \to t \log s$ and $t \to t \log s$ from the er gets son on the a t of sountr goe mane. The er suts n The A5-sonfirmetet oor-sountr goe mene mue stumstous more em u nforget on. Our get n se - fiet on nE get on (1), onte ote 1 a m., o sus to be a single of the tight a ration name ster sound in tons (goe in the inde saar sata) and sonstrust the sar ing inde ind in a rate status su & e. for a sec t- r - n get sts. F m., our ex su tsa ex ro ust to te. fa e n of the e stall tons (too stall Fund SemPub_Poor on a start r 2.s s the n etas e ourer su tsaer actionales quantitae st quation faire in o e was funds)2 in 2 rous sutoff the two son for grave to the sound new (30% 2.18 80%, na to note 50% for shows nour 10 not sts). We a uset and took et sts nonfirm that our et su ts act en nonmar. And sat stal ro ust.

Och tes a suts off resonante recente. The second fundamental funds are offs the a stee mast of our sount goe mane on the quality of us information— ut sustain in roc in its same establishment of notices on normal tones in a train, thus, quality. Countre exportance, the a for , a sa fundament roc in the night in a second test so structure that a recent a second in the country of our goe mane. The out a stee affecting some informations.

6. Conclusion

We still to sountree goe mana affects to a a a t and then such so of information in the pare t. Poor sountree e goe mana affects to a second information in the pare t. Poor sountree e goe mana affects to a second in the store of the store

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Our findings ro & a noe. a of oo ngather fifths of sountree e. goe rane on finance pare ts troughte net range to no future funds, the same of sountree e. goe rane short of sountree e. goe rane short, and ne first sountree e. goe rane as not the name of the same sountree e. goe rane as sort, and ne first accountree e. goe rane as not tut ons as e. a a same sort to not on to a roe to oe a sort to not of the first range.

Appendix A. Summary of the model

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nforget on not sale roof for note t from other u some a note nsor nforget on (KV or of rs to 12 s to r 2 or s gat). The or ne stors 2 so 2 e ne nt e s to the ne r of t (1.17) on nt se r on).

The KV mode further a ssuper start the crack to the soft untit the crack to the soft untit the crack acra L north seat to the r q util the stress to the stress and a seat a so TM seat to the r a unt the rs to a not the nto the noto the noto e re nfor the on). In a term of, te. Note: te s of ne stors su aut the ng a all the s, 🛰 🏎 o sers - a uthe all rectalled r to u set the like ret re. The summet on of orders for er of the new orders $\omega = x + z_n + z_d$, Let $x = \sum_{i=1}^{N} x_i$ she suppose to not one is from the N information in stors (x_i she in the of r), 2 if zn2 if zd2 s w 2 r sweet tons of of rs frow nois set tone r 2 if set tone r ne, stors, er se, →t e,

Bus on the same tons, the information in stors that for ong the Ke (1985) with , tane storm u rup for eronttane sanatranas fo o s:

$$x_i = \beta \tilde{Y} + \gamma \tilde{O}_i, P_t = U_{t-1} + \alpha \tilde{Y} + \lambda \omega_t, \tag{A1}$$

$$x_i = \beta \tilde{Y} + \gamma \tilde{O}_i, P_t = U_{t-1} + \alpha \tilde{Y} + \lambda \omega_t, \tag{A1}$$

$$\alpha = \frac{a}{a+d}, \lambda = \sqrt{\frac{Na^2d^2(ad+ae+de)}{v(a+d)[(N+1)ad+\{2+(N-1)\rho]e(a+d)]^2}}, \qquad \beta = \sqrt{\frac{vd^2}{N(a+d)(ad+ae+de)}}, \tag{A1}$$

 $\gamma = -\sqrt{\frac{v(a+d)}{N(ad+ae+de)}}$ are sonsumts, and v site. A rame of item norm section q until ta® rs. Not tat nforatatas rs art - act nt-sero® of ta® ng on tante tale. es que u 🤜 inforquêt on. Dissert one r qui u 🕏 t thank rs 👚 not a rt 🥆 a et in 🛰 s e. r 🗖 e. 🗈 us te os mon tenta a nstre nforma ne stors nte me t. Te art - act n ta ng n ober e rons. He ne ,q / u nt n oras s n te s art suar e ron te n nfora n ne stors an roe ss nforget on. Furte room, oat tante e e e of nforget e a ss of te stor natas e a us nform than ng moe ste re. Than ng o um maras or જા ત્વરક (ત્વ્યારજ મે બોલ re rows),જા e no ngonte ્રાક્ર softe જ કના toner રાજા nfore જ than rs. Fig. , the otype numer of nform than rs salet rm and nformet on sostering te e a fit of nfor. • ■ t • ■ ng.

Watsou¶e te quastofsountre e e ea goe mana? Intute , t que sa ge e tee n the firms nace sonow so we not out to rack flo so the safe are the first a face. The first interest is a first flower than the first e a turn te sont ton arana ofte as foo a a as note u sannouna ant. That s, f e we not $\sigma \equiv var(\tilde{u}_t|\tilde{Y})$ and $h \equiv 1/\sigma$ as the sort took. A rance and or s on also on te u \sim nnoune ϕ , nt of te fir ψ s, z if ϕ f e furte r ϕ not G s \sim ountr e e. ϕ oe r ϕ ne that fer a a some some ng to a ea goe mana, ten e an supper a te quast of e.a. soe rna ne a.s $\frac{\partial \sigma}{\partial G} > 0$ or $\frac{\partial h}{\partial G} < 0$. It sees to e.r f $\frac{1}{2}$ at $\sigma = ad/(a+d)$. That s, a. a. reg. r. a. e tee nte announce de nte to the test to so from to conounce source so at a to sountre als flo statane ga tet the norm us a ss of firms (.g., O 2012). S. sort, firms n 2. Sounts subsection of normal counts (, $\frac{\partial d}{\partial G} > 0$) encounts subsection find to the subsection of the subsectio e.a.s to the nforget on n subsauce n rongent (Mors, Mr unga n Yu 2000; J na n Me. rs 2006; D Ford, Hungard Tax a ant 2007; H. e. ta. . 2012; Burta u, Bro n, and Stu z 2012). In obas s, u - nforth ton n oor goe rift no - ounte se - out se sse - wifet ton n - ounte s the good goe maine. Be all use firms ne ste so n firme el goe maine n ∽ounte o the oor -ountr e. e. goe mana (Do 🗫 , Karo , an Stu 7 2007), te es ro e. p.saer un e. to e. so e. a sor of et goe mane.

The pull-st of sountre e goe mane and supple rate to o ng roos ton.

Proposition 1. In the creams of e.a. sountre e.e. goe mans, the equirum sore . further row monstreat the foo ng roe re set at to goe mane:

1. Inform on the stors we have of the result $u \to s$ and e as $u \to n$ form to $n \to \infty$ one right of the part e, $\frac{\beta^2}{\beta^2 + \gamma^2}$ of the solution of e and e are e and e and e are e are e and e are e and e are e are e are e and e are e and e are e and e are e are e are e and e are e are e are e and e are e and e are e are e are e are e are e and e are e

near as s n G). Further rupour, the fing a rational socret square on the square x squared to a non-unitary near a square x squared power in the square x squared power in x squared power in x squared x squared power in x squared x squared

- 2. More information in stores of the energy took of rest information ($\frac{dN}{dG}>0$) in sounce is the energy of the new constants.
- 3. Fe stor e roue se ssq u^{\bullet} n rounte s \cdot tree goe mê ne ,
- 4. The store received support of the authorized term required in received a specific received as the category received a specific received as the store of the s

Proof.

Number of Procedures: Number of row That's noe of nook of nook of now. The state of the total that the state of the state

Executive Constraints: As e. n-2st gor s2c., from 1 to 7, t2.4 te r s-or 18 2 t ng mor -onstr. nt.

Protection Expropriation: Rs of of ration of ratiform on the stop int, from 0 to 10, the are seen as an inger series.

Private Property: From 1 to 5, the target in at no gent recent on for read rocent. Horizontal Gov: 2.e. A. og of normal. at L. g. Formal. sup, Pros. The Complete the Number of Pros. That s.

Vertical Gov: 2.e. 14. og of nor₁14. oc ¶ Ee. ¬ut e. Const14. nts, Proot ¬t on E ro r2.t on 2.1 nd Pr 2st Proe. rt .

Alternative Governance Variables

(With normal cartes and of a goe mains arales two for the ealest goe mains ant all of for the est goe mains.)

Disclosure: Ass sage not of the structure of the sound should be one of the sound should be sound should be one of the sound should be one of the sound shou

Anti_SD: Te ant es f a ng ma of Dan o, La Pora, Loe 7 a -S a sant se et r (2008). Acc Transparency: A ount ng tans at no from Dura, Erruna and Mo ano (2009).

CPI: Corru ton Pera tons India u seed Thensacen - Instructon . The CPI of fines from ton 2 stee sees seed for the country son 2 sace from 10 (e. r -2.2 n) to 0 to 2 seed from 0 (e. r -2.2 n) to 1 to 2 seed from 0 (e. r -2.2 n) to 1 to 2 seed from 0 (e. r -2.2 n) to 1 to 2 seed from 10 (e. r -2.2 n) to 2 seed from 10 (e. r -2.2 n) to 2 seed from 10 (e. r -2.2 n) to 2 seed from 10 (e. r -2.2 n) to 2 seed from 10 (e. r -2.2 n) to 2 seed from 10 (e. r -2.

Measures on the Use of Semipublic and Public Information

Fund SemPub_Poor: Parta. R^2 of the $\gamma_{k,t}\Delta Re_{i,t}\times G_i$ then from the sets on of E such that on (1). Fund SemPub_Good: Parta. R^2 of the $\gamma_{k,t}\Delta Re_{i,t}$ then from the sets on of E such that on (1). Fund Pub_Poor: Parta. R^2 of the $\gamma_{k,t}^2\Delta NS_{i,t}\times G_i$ then T_i .

Fund Pub_Good: Parta R^2 of the $\lambda_{k,t}^N \Delta N S_{i,t}$ et r.u.

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SemPub_Good: W. a. -e. of the stop of Fund SemPub_Good of furths ne stng note stop, at the r ne stop not a a s.

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Mutual Fund Characteristics

ExpenseRatio: E e. ns. 1. to of putt. furns.

Turnover: Furns' turnoe. r.

FundSize: Te 12 tuit og of 1 us te fund's 2 st e r od's tot e 12 ss t.

Stock Characteristics

Amihud Illiquidity (Illiq): W. first fie a work. Aut in q ut t as sur for a ses Illiq_t = $ln(1+\sum_{d}\frac{|r|}{r})$, the at r sthe m. at turn, v sthe m. To a r the m g outh, and d sthe numer of the ng s s n monts t. Fo o ng te s rt of Color, Seran, and Su Remain (2005), Hance T, Kangartt Vs and tan (2010), and Karo , be and Van Dj (2012), e furter runn nga ga ss ons for 3 + s sto i 3 + s on o s r s t ons on s on t t: a sign of the sign $Illiq_{i,t} = \beta_m \sum_{m=1}^{11} D_m + \varepsilon_{i,t}$, le et D_m ste Munico. Les telles ste le et of 1 for le mont wonth is frow E to $D \sim m^2$ in 0 other c. We use the arcs u is $\varepsilon_{i,t}$ frow the arcs so n to u in worth a sur s of Author q unt. Nor that he es are rst a so nontro for a -of-te -ee and one efforts for q unt. B a us he es a nontro sacre secre and to ours up now are es, e forus on se mar mont sijusta nts. We be nrow ut se up now. Aphilological tasks as a segretar of poorly growth the new panna eros. Zero Return: P re na g of a roa turn s sfore sto. Sur ngte a me nnue (s -monte) e r o. 🐧 2.ton of the ets 🔊 🖟 s frout the 🤏 . 🖪 🚜 - Fetn 👆 et gets son n A. getnes ut Annual etr 🗗 Wo the n thensform the os nate of the out to a standard of the nation of the national ton. We for o B. rts. w., Bro n, a. rts. Stu 7 (2012), a. rts. B. & rt, Hostr - , a. rts. Z-a. n.g. (2012) us. t. o.e. rs ons of und s. In the first ers on, e. us there to one sto Park. For the floridations and there are true to the Astors. In the a south e rs on, e us the Are the Mustr Astors.

Raw Return: Ae 1. & work stor or turn Turngte of with nnw. e. r . .

DGTW Return: Fo o ng Dane, Grn att, Ttuban, and Wrng, rs (1997), e. - araet 125 ste.

Other Country-Level Control Valuables

ICRG political risk index: In the seasons seems as the constant of god ring in the students using 10 the time. The seasons seems as not read the constant of t

Creditor rights: From Dan o, M-Ie & And See & r (2007).

Anti-director rights: From Antic See ef r's e set. R es the ast sare to n Djan o, La. Port. Loe 2 to -S a to sant See ef r (2008).

Stock market turnover: Ret o of a nnue. the ng o u.e. to see a s outse of ng. Decease from the Word Ben.

Stock market Capit. (%GDP): Retook 119-of-e2-r stor 40-ret +2. 8. 2-t on to no 40-18. GDP. Die 24: frou te World Bin.

Private bond market (%GDP): Pr act Som strass to our ess son Sintena. Institutions and or one time as son of GDP. De ear from the Worst Ben Finena. De e o me niterior Structure De e as .

Equity market liberalization: The end not go of the equit where the ts ne some for for gone stors. Decay from EMDB.

Appendix C. Sample selection

Proc Tur	Nume rof stos s
Common stor s from D. 8. str. 2. p/Wor Sroe. 2.18	45,343
CRSP/Co.u. usa t forte t.a. e. r 🗗 1999–2009	
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Mirging the in a surs of coe mane from	21,329
As moguant Jonson (2005)	
Ote, rs-one, n roe, Tun s:	
Stors transacter as the state of notions of the state of	16,313

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