

Usefulness of Accounting Estimates: A Tale of Two Countries (China and India)

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Motivation



- China and India are among two of the emerging economies of BRIC (Brazil, Russia, India and China).
 - Largest economy
 - Largest populations
 - High growth emerging market
- China and India have committed to the adoption of IFRS.
 - IFRS-convergent accounting standards became mandatory for listed firms in China in 2007.
 - India intended to converge with IFRS beginning 2011, but the transition date is to be announced.

Literature Review



Research on accounting in China and India

- Frequency and magnitude of earnings management have gone up during the post-2000 period (Wang et al. 2008).
- Non-state-owned enterprises have higher earnings management (lower quality) than state-owned enterprises in China (Chen et al. 2011).
- Chinese family firms have lower earnings quality than non family firms (Ding et al. 2011).
- Board quality is important for reducing earnings management but board independence has no significant relation with discretionary accruals in India (Sarker et al. 2008).

Literature Review



- The impact of IFRS adoption on accounting quality
 - Firms applying IFRS have less earnings management, more timely loss recognition and more value relevant of accounting amounts (Barth et al. 2008, 2012).
 - Earnings quality increases for mandatory IFRS adoption when a country's investor protection regime provides stronger protection (Houge et al. 2011).
 - In contrast, mandatory adoption of IFRS leads to decreased accounting quality e.g. increases in income smoothing and aggressive reporting of accruals, and a significant decrease in timeliness of loss recognition (Ahmed et al. 2013).

Literature Review



Other effects of IFRS adoption

- Market liquidity increases, firms' cost of capital decreases and equity valuation increases around the introduction of IFRS (Daske et al., 2008).
- The information content of earnings announcements (abnormal return volatility and abnormal trading volume) increases in countries following mandatory IFRS adoption (Landsman et al., 2012).
- Analysts' absolute forecast errors and forecast dispersion decrease for mandatory IFRS adopters (Byard et al., 2011)
- The effects of IFRS adoption depend on the strength of legal enforcement in the adopting countries.

Objective & Hypothesis



- This study examines the quality of earnings and cash flows as reported by Chinese firms during the period 2001–2013 and Indian firms during the period 2008–2013.
- ▶ H1: Accounting estimates perform better in predicting future earnings (cash flows) in the post-IFRS convergence period than pre-IFRS convergence period.

Sample and Data



- Datastream Database
- Sample firms are actively listed on the main stock exchanges in India or China.
- Period of study
 - India: pre-IFRS (2007-2009) and post-IFRS (2011-2013)
 - Since April 2010, listed firms in India have an option to file their consolidated F/S under either Indian GAAP or IFRS (with reconciliations). The IFRS converged Indian Accounting Standards have been issued but the effective date of these standards has not been announced.
 - China: pre-IFRS (2001–2006) and post-IFRS (2008– 2013)
 - Chinese listed firms have been required to follow IFRS convergent new accounting standards since January 1, 2007.

Sample and Data



Table 1 Sample

Panel A: Sample Selection

	India Firm-year obs.	China Firm-year obs.		
Sample period	Pre (2007-2009) Post (2011-2013)	Pre (2001-2006) Post (2008-2013)		
Initial sample	28,161	27,636		
Less: Missing data	14,548	11,297		
Less: Financial service, real estate, and insurance	546	1,174		
Less: Firms not available in all years	5,267	6,381		
Fina <mark>l s</mark> ample	7,800	8,784		
Final sample (No. of firms)	1,300	732		



Prediction models for EARN_{t+1} and CFO_{t+1}

$$EARN_{t+1} = \beta_0 + \beta_1 EARN_t + \varepsilon_t \tag{1}$$

$$EARN_{t+1} = \beta_0 + \beta_1 CFO_t + \varepsilon_t \tag{2}$$

$$EARN_{t+1} = \beta_0 + \beta_1 CFO_t + \beta_2 ACCRUALS_t + \varepsilon_t$$
(3)

$$EARN_{t+1} = \beta_0 + \beta_1 CFO_t + \beta_2 \Delta AR_t + \beta_3 \Delta INV_t + \beta_4 \Delta AP_t + \beta_5 DP_t + \beta_6 OTHER_t + \varepsilon_t \tag{4}$$

Where:

EARN = earnings before extraordinary items;

CFO = net cash flow from operations;

ACCRUALS = EARN - CFO;

 ΔAR = change in accounts receivable;

 $\Delta INV =$ change in inventory;

 $\triangle AP$ = change in accounts payable;

DP = depreciation and amortization expenses;

OTHER = other accruals defined as $EARN - (CFO + \Delta AR + \Delta INV - \Delta AP - DP)$.

All variables are scaled by beginning total assets. We run regression of these models to obtain sample estimates.



Out-of-sample prediction of earnings (cash flows)

Example of the prediction of earnings for year 2008 using Model 1.

1. Estimate the following regression for each country:

$$EARN_{2007} = b_0 + b_1 EARN_{2006} + e_t$$

2. Use the country specific estimated coefficients (b_0 and b_1) to predict earnings, Est(EARN), for each firm in the country:

$$Est(EARN_{2008}) = Est(b_0) + Est(b_1)*EARN_{2007}$$

3. Determine prediction error (PE) for each firm in a given country:

$$PE_{2008} = EARN_{2008} - Est(EARN_{2008})$$

We repeat the procedure for every firm and sample year.



Out-of-sample prediction performance metrics

- MPE = mean prediction error;
- MAPE = mean absolute prediction error;
- RMSE = root mean square prediction error;
- ALPHA = the intercept from the Mincer-Zarnowitz (1969) regressions of actual values on predicted values;
- BETA = the slope coefficient from the Mincer-Zarnowitz regressions of actual values on predicted values;
- R² = the adjusted R² from the Mincer-Zarnowitz regressions of actual values on predicted values;
- Theil's U = Theil's U statistic, defined as the square root of $\Sigma(\text{actual-predicted})^2/\Sigma(\text{actual})^2$



- Out-of-sample prediction performance metrics (following Lev et al., 2010 and Li and Sougiannis, 2014)
 - MPE and ALPHA measure prediction bias.
 - MPAE, RMSE and Theil's U measure prediction accuracy.
 - BETA measures the correlation between actual and predicted values.
 - R2 measures how well predicted values are related to actual values.

Results: Out-of-Sample Prediction, Forecast of $Earn_{t+1}$

▶ Table 4, Panel A: India

	Prediction bias Prediction accuracy													
Panel A: In	dia		V	/		\times	<i>y</i>						7	
Model	MPE		MAPE		RMSE		ALPHA		BETA		ADJ R ²		Theil's U	
India (Pre	2010)			•								•		
1	-0.0329		0.0570		0.0749		-0.0418		1.1177		0.4205		0.7637	
2	-0.0392		0.0726		0.0897		-0.0794		1.4886		0.1687		0.9193	
3	-0.0335		0.0571		0.0752		-0.0373		1.0491		0.4161		0.7666	
4	-0.0366		0.0619		0.0782		-0.0499		1.1659		0.3683		0.8075	
India (Pos	t 2010)													
1	0.0016		0.0403		0.0621		0.0020		0.9847		0.5201		0.6614	
2	-0.0148		0.0564		0.0810		-0.0232		1.1965		0.1824		0.8794	
3	-0.0012		0.0402		0.0613		-0.0039		1.0891		0.5325		0.6549	
4	-0.0038		0.0429		0.0641		-0.0094		1.1749		0.4891		0.6902	
Pre-Post														
1	-0.0345	***	0.0167	***	0.0128	***	-0.0439	***	0.1330	***	-0.0996	***	0.1023	***
2	-0.0244	***	0.0162	***	0.0086	***	-0.0562	***	0.2922	***	-0.0137	***	0.0399	***
3	-0.0323	***	0.0169	***	0.0139	***	-0.0335	***	-0.0399	***	-0.1164	***	0.1117	***
4	-0.0329	***	0.0190	***	0.0141	***	-0.0405	***	-0.0090	***	-0.1208	***	0.1173	***

Results: Out-of-Sample Prediction, Forecast of $Earn_{t+1}$

▶ Table 4, Panel B: China

Nodel MPE		Pre	ediction bias Prediction accuracy					
China (Pre 2007) 1 0.0049 0.0364 0.0583 0.0029 0.9374 0.2540 0.8700 2 0.0002 0.0396 0.0626 -0.0023 1.0845 0.1450 0.8951 3 0.0040 0.0361 0.0575 0.0028 0.9509 0.2750 0.8500 4 0.0024 0.0372 0.0582 0.0021 0.9219 0.2584 0.8546 China (Post 2007) 1 0.0018 0.0490 0.0995 0.0222 0.4759 0.0524 0.9053 2 0.0042 0.0514 0.1005 0.0104 0.8523 0.0296 0.9070 3 0.0026 0.0484 0.0995 0.0185 0.5933 0.0539 0.8986 4 0.0035 0.0508 0.1002 0.0250 0.4556 0.0391 0.9171 Pre-Post 1 0.0032 -0.0126 *** -0.0413 *** -0.0127 *** 0.2322 *** 0.1154 *** -0.0118 *** -0	Panel B: China							7
1 0.0049 0.0364 0.0583 0.0029 0.9374 0.2540 0.8700 2 0.0002 0.0396 0.0626 -0.0023 1.0845 0.1450 0.8951 3 0.0040 0.0361 0.0575 0.0028 0.9509 0.2750 0.8500 4 0.0024 0.0372 0.0582 0.0021 0.9219 0.2584 0.8546 China (Post 2007) 1 0.0018 0.0490 0.0995 0.0222 0.4759 0.0524 0.9053 2 0.0042 0.0514 0.1005 0.0104 0.8523 0.0296 0.9070 3 0.0026 0.0484 0.0995 0.0185 0.5933 0.0539 0.8986 4 0.0035 0.0508 0.1002 0.0250 0.4556 0.0391 0.9171 Pre-Post 1 0.0032 -0.0126 *** -0.0413 *** -0.0193 *** 0.4615 *** 0.2015 *** -0.0353 *** 2 -0.0040 * -0.0118 *** -0.0379 *** -0.0127 *** 0.2322 <	Model	MPE	MAPE	RMSE	ALPHA	BETA	ADJ R ²	Theil's U
2 0.0002 0.0396 0.0626 -0.0023 1.0845 0.1450 0.8951 3 0.0040 0.0361 0.0575 0.0028 0.9509 0.2750 0.8500 4 0.0024 0.0372 0.0582 0.0021 0.9219 0.2584 0.8546 China (Post 2007) 1 0.0018 0.0490 0.0995 0.0222 0.4759 0.0524 0.9053 2 0.0042 0.0514 0.1005 0.0104 0.8523 0.0296 0.9070 3 0.0026 0.0484 0.0995 0.0185 0.5933 0.0539 0.8986 4 0.0035 0.0508 0.1002 0.0250 0.4556 0.0391 0.9171 Pre-Post 1 0.0032 -0.0126 *** -0.0413 *** -0.0193 *** 0.4615 *** 0.2015 *** -0.0353 *** 2 -0.0040 * -0.0118 *** -0.0379 *** -0.0127 *** 0.2322 *** 0.1154 *** -0.0118 *** 3 0.0014 -0.0123 *** -0.0421 *** -0.0157 *** 0.3576 *** 0.2211 *** -0.0486 ***	China (Pre 200)	7)	•					
3 0.0040 0.0361 0.0575 0.0028 0.9509 0.2750 0.8500 4 0.0024 0.0372 0.0582 0.0021 0.9219 0.2584 0.8546 China (Post 2007) 1 0.0018 0.0490 0.0995 0.0222 0.4759 0.0524 0.9053 2 0.0042 0.0514 0.1005 0.0104 0.8523 0.0296 0.9070 3 0.0026 0.0484 0.0995 0.0185 0.5933 0.0539 0.8986 4 0.0035 0.0508 0.1002 0.0250 0.4556 0.0391 0.9171 Pre-Post 1 0.0032 -0.0126 *** -0.0413 *** -0.0193 *** 0.4615 *** 0.2015 *** -0.0353 *** 2 -0.0040 * -0.0118 *** -0.0379 *** -0.0127 *** 0.2322 *** 0.1154 *** -0.0118 *** 3 0.0014 -0.0123 *** -0.0421 *** -0.0157 *** 0.3576 *** 0.2211 *** -0.0486 ***	1	0.0049	0.0364	0.0583	0.0029	0.9374	0.2540	0.8700
4 0.0024 0.0372 0.0582 0.0021 0.9219 0.2584 0.8546 China (Post 2007) 1 0.0018 0.0490 0.0995 0.0222 0.4759 0.0524 0.9053 2 0.0042 0.0514 0.1005 0.0104 0.8523 0.0296 0.9070 3 0.0026 0.0484 0.0995 0.0185 0.5933 0.0539 0.8986 4 0.0035 0.0508 0.1002 0.0250 0.4556 0.0391 0.9171 Pre-Post 1 0.0032 -0.0126 *** -0.0413 *** -0.0193 *** 0.4615 *** 0.2015 *** -0.0353 *** 2.00040 2 -0.0040 * -0.0118 *** -0.0379 *** -0.0127 *** 0.2322 *** 0.1154 *** -0.0118 *** -0.0118 *** 3 3 0.0014 -0.0123 *** -0.0421 *** -0.0157 *** 0.3576 *** 0.2211 *** -0.0486 ***	2	0.0002	0.0396	0.0626	-0.0023	1.0845	0.1450	0.8951
China (Post 2007) 1	3	0.0040	0.0361	0.0575	0.0028	0.9509	0.2750	0.8500
1 0.0018 0.0490 0.0995 0.0222 0.4759 0.0524 0.9053 2 0.0042 0.0514 0.1005 0.0104 0.8523 0.0296 0.9070 3 0.0026 0.0484 0.0995 0.0185 0.5933 0.0539 0.8986 4 0.0035 0.0508 0.1002 0.0250 0.4556 0.0391 0.9171 Pre-Post 1 0.0032 -0.0126 *** -0.0413 *** -0.0193 *** 0.4615 *** 0.2015 *** -0.0353 *** 2 -0.0040 * -0.0118 *** -0.0379 *** -0.0127 *** 0.2322 *** 0.1154 *** -0.0118 *** 3 0.0014 -0.0123 *** -0.0421 *** -0.0157 *** 0.3576 *** 0.2211 *** -0.0486 ***	4	0.0024	0.0372	0.0582	0.0021	0.9219	0.2584	0.8546
2 0.0042 0.0514 0.1005 0.0104 0.8523 0.0296 0.9070 3 0.0026 0.0484 0.0995 0.0185 0.5933 0.0539 0.8986 4 0.0035 0.0508 0.1002 0.0250 0.4556 0.0391 0.9171 Pre-Post 1 0.0032 -0.0126 *** -0.0413 *** -0.0193 *** 0.4615 *** 0.2015 *** -0.0353 *** 2 -0.0040 * -0.0118 *** -0.0379 *** -0.0127 *** 0.2322 *** 0.1154 *** -0.0118 *** 3 0.0014 -0.0123 *** -0.0421 *** -0.0157 *** 0.3576 *** 0.2211 *** -0.0486 ***	China (Post 200	07)						
3 0.0026 0.0484 0.0995 0.0185 0.5933 0.0539 0.8986 4 0.0035 0.0508 0.1002 0.0250 0.4556 0.0391 0.9171 Pre-Post 1 0.0032 -0.0126 *** -0.0413 *** -0.0193 *** 0.4615 *** 0.2015 *** -0.0353 *** 2 -0.0040 * -0.0118 *** -0.0379 *** -0.0127 *** 0.2322 *** 0.1154 *** -0.0118 *** 3 0.0014 -0.0123 *** -0.0421 *** -0.0157 *** 0.3576 *** 0.2211 *** -0.0486 ***	1	0.0018	0.0490	0.0995	0.0222	0.4759	0.0524	0.9053
4 0.0035 0.0508 0.1002 0.0250 0.4556 0.0391 0.9171 Pre-Post 1 0.0032 -0.0126 *** -0.0413 *** -0.0193 *** 0.4615 *** 0.2015 *** -0.0353 *** 2 -0.0040 * -0.0118 *** -0.0379 *** -0.0127 *** 0.2322 *** 0.1154 *** -0.0118 *** 3 0.0014 -0.0123 *** -0.0421 *** -0.0157 *** 0.3576 *** 0.2211 *** -0.0486 ***	2	0.0042	0.0514	0.1005	0.0104	0.8523	0.0296	0.9070
Pre-Post 1	3	0.0026	0.0484	0.0995	0.0185	0.5933	0.0539	0.8986
1 0.0032 -0.0126 *** -0.0413 *** -0.0193 *** 0.4615 *** 0.2015 *** -0.0353 *** 2 -0.0040 * -0.0118 *** -0.0379 *** -0.0127 *** 0.2322 *** 0.1154 *** -0.0118 *** 3 0.0014 -0.0123 *** -0.0421 *** -0.0157 *** 0.3576 *** 0.2211 *** -0.0486 ***	4	0.0035	0.0508	0.1002	0.0250	0.4556	0.0391	0.9171
1 0.0032 -0.0126 *** -0.0413 *** -0.0193 *** 0.4615 *** 0.2015 *** -0.0353 *** 2 -0.0040 * -0.0118 *** -0.0379 *** -0.0127 *** 0.2322 *** 0.1154 *** -0.0118 *** 3 0.0014 -0.0123 *** -0.0421 *** -0.0157 *** 0.3576 *** 0.2211 *** -0.0486 ***	Pre-Post							
2 -0.0040 * -0.0118 *** -0.0379 *** -0.0127 *** 0.2322 *** 0.1154 *** -0.0118 *** 3 0.0014 -0.0123 *** -0.0421 *** -0.0157 *** 0.3576 *** 0.2211 *** -0.0486 ***	1	0.0032	-0.0126 ***	-0.0413 ***	-0.0193 ***	0.4615 ***	0.2015 ***	-0.0353 ***
3 0.0014 -0.0123 *** -0.0421 *** -0.0157 *** 0.3576 *** 0.2211 *** -0.0486 ***	2							
	4							

Overall Results



- Results of the prediction of cash flows are consistent with the findings in Table 4.
- After India converged to IFRS in 2010, the out-of-sample forecasts derived from the four models are less biased, more accurate, and more efficient.
- The out-of-sample forecasts in China are more biased, less accurate, and less efficient after the IFRS convergence in 2007.

Portfolio Analysis



- We rank firms based on the predicted values of earnings (cash flows) and form five portfolios.
- We computed market-adjusted returns from holding a zero-investment hedge portfolio; going long (investing) in the top portfolio and shorting (selling) the bottom portfolio over 90, 180, 270, and 365 days after the fiscal year end.
- The abnormal returns on zero investment portfolios indicate the returns to investors of using earnings (CFO) as predictors of future earnings (CFO).

Results: Portfolio Analysis Based on Ranking of Future Earnings Predictions

▶ Table 6, Panel A: India

Panel A: India

D 2010 (1)	D4 2010 (2)	D:ff(2) (1)	1	(2 4-:11)
			-	(2-tailed)
0.0581	0.0169	-0.041	0.070	*
0.0551	-0.0014	-0.057	0.058	*
0.0202	0.0224	0.002	1.040	
0.0662	0.0962	0.030	1.470	
Pre-2010 (1)	Post-2010 (2)	Difference $(2) - (1)$	p-value	(2-tailed)
-0.0465	0.0588	0.105	0.000	***
-0.0563	0.0713	0.128	0.000	***
-0.0312	0.1105	0.142	0.000	***
-0.0086	0.1607	0.169	0.000	***
Pre-2010 (1)	Post-2010 (2)	Difference $(2) - (1)$	p-value	(2-tailed)
0.0179	0.0279	0.010	1.346	
0.0000	0.0246	0.025	1.598	
-0.0231	0.0507	0.074	0.078	*
0.0236	0.1352	0.112	0.018	**
		•	•	
Pre-2010 (1)	Post-2010 (2)	Difference $(2) - (1)$	p-value	(2-tailed)
0.0414	0.0262	-0.015	0.504	
0.0177	0.0228	0.005	0.864	
-0.0133	0.0626	0.076	0.072	*
0.0294	0.1363	0.107	0.026	**
	0.0662 Pre-2010 (1) -0.0465 -0.0563 -0.0312 -0.0086 Pre-2010 (1) 0.0179 0.0000 -0.0231 0.0236 Pre-2010 (1) 0.0414 0.0177 -0.0133	0.0581 0.0169 0.0551 -0.0014 0.0202 0.0224 0.0662 0.0962 Pre-2010 (1) Post-2010 (2) -0.0465 0.0588 -0.0563 0.0713 -0.0312 0.1105 -0.0086 0.1607 Pre-2010 (1) Post-2010 (2) 0.0279 0.0000 0.0246 -0.0231 0.0507 0.0236 0.1352 Pre-2010 (1) Post-2010 (2) 0.0414 0.0262 0.0133 0.0626	0.0581 0.0169 -0.041 0.0551 -0.0014 -0.057 0.0202 0.0224 0.002 0.0662 0.0962 Difference (2) - (1) -0.0465 0.0588 0.105 -0.0563 0.0713 0.128 -0.0312 0.1105 0.142 -0.0086 0.1607 Difference (2) - (1) 0.0179 0.0279 0.010 0.0000 0.0246 0.025 -0.0231 0.0507 0.074 0.0236 0.1352 0.112 Pre-2010 (1) Post-2010 (2) Difference (2) - (1) 0.0414 0.0262 -0.015 0.0177 0.0228 0.005 -0.0133 0.0626 0.076	0.0581 0.0169 -0.041 0.070 0.0551 -0.0014 -0.057 0.058 0.0202 0.0224 0.002 1.040 0.0662 0.0962 0.030 1.470 Pre-2010 (1) Post-2010 (2) Difference (2) - (1) p-value -0.0465 0.0588 0.105 0.000 0.000 -0.0563 0.0713 0.128 0.000 0.000 -0.0312 0.1105 0.142 0.000 0.142 0.000 -0.0086 0.1607 0.169 0.000 0.169 0.000 Pre-2010 (1) Post-2010 (2) Difference (2) - (1) p-value 0.0179 0.0279 0.010 1.346 0.0000 0.0246 0.025 1.598 0.0031 0.0507 0.074 0.078 0.0231 0.0507 0.074 0.078 0.0236 0.1352 0.112 0.018 Pre-2010 (1) Post-2010 (2) Difference (2) - (1) p-value 0.0414 0.0262 -0.015 0.504 0.0177 0.0228 0.005 0.864 0.0077 0.0228 0.005 0.864 0.0072 0.0177 0.0228 0.005 0.0626 0.076 0.072

Results: Portfolio Analysis Based on Ranking of Future Earnings Predictions

▶ Table 6, Panel B: China

Panel B: China

Model 1	Pre-2007 (1)	Post-2007 (2)	Difference (2) – (1)	p-value	(2-tailed)
90 days from fiscal year end	-0.0526	-0.0788	-0.026	0.190	
180 days from fiscal year end	-0.0285	-0.0993	-0.071	0.004	***
270 days from fiscal year end	-0.0464	-0.1235	-0.077	0.006	***
365 days from fiscal year end	-0.0009	-0.0841	-0.083	0.014	**
Model 2	Pre-2007 (1)	Post-2007 (2)	Difference (2) – (1)	p-value	(2-tailed)
90 days from fiscal year end	-0.0314	-0.0614	-0.030	0.146	(2-taried)
180 days from fiscal year end	0.0060	-0.0750	-0.081	0.002	***
270 days from fiscal year end	-0.0144	-0.0789	-0.065	0.026	**
365 days from fiscal year end	0.0331	-0.0633	-0.096	0.002	***
Model 3	Pre-2007 (1)	Post-2007 (2)	Difference $(2) - (1)$	p-value	(2-tailed)
90 days from fiscal year end	-0.0479	-0.0793	-0.031	0.132	
180 days from fiscal year end	-0.0123	-0.1029	-0.091	0.000	***
270 days from fiscal year end	-0.0261	-0.1120	-0.086	0.004	***
365 days from fiscal year end	0.0197	-0.0747	-0.094	0.006	***
Model 4	Pre-2007 (1)	Post-2007 (2)	Difference (2) – (1)	p-value	(2-tailed)
90 days from fiscal year end	-0.0368	-0.0729	-0.036	0.070	(2-tanca)
		-0.0729	-0.030	0.070	***
180 days from fiscal year end	-0.0032				**
270 days from fiscal year end 365 days from fiscal year end	-0.0256 0.0195	-0.0828 -0.0406	-0.057 -0.060	0.044 0.074	*
303 days Holli liscal year elid	0.0193	-0.0400	-0.000	0.074	

Overall Results



- Accounting estimates in India in the post-IFRS period are better predictors of future earnings and cash flows than accounting estimates in the pre-IFRS period.
- There is no evidence that accounting estimates in China are improving in predicting future earnings and cash flows in the post-IFRS period.

Implication



- The difference in results may be attributed to accounting systems and legal enforcement.
- China's accounting system is from Socialist legal origin (civil law) while India's is from English legal origin (common law).
- Common law countries have the strongest legal protection of investors compared to civil law countries (La Porta et al., 1998).
- Other studies find higher accounting quality in countries with strong legal enforcement (Ball et al., 2003, Burgstahler et al., 2006).
- Our findings provide a preliminary understanding of the usefulness of accounting estimates for firms in China and India.



Thank you