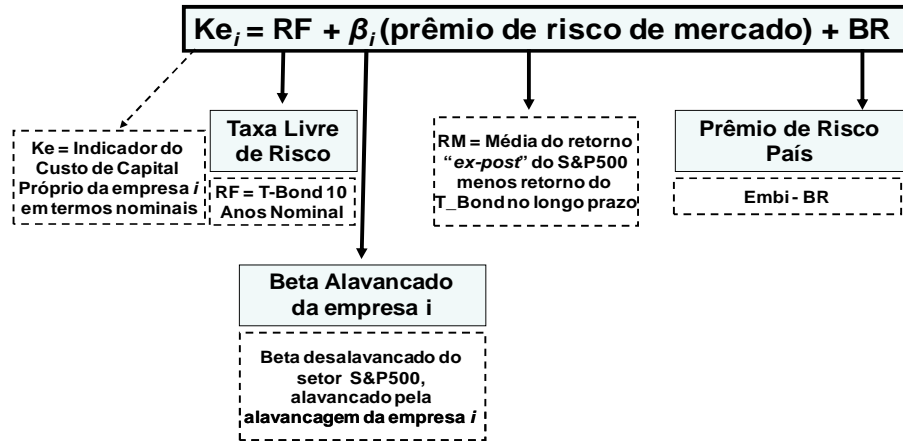


Indicadores de Custo de Capital Próprio Mensal

DEZEMBRO/2015

CEMEC
Centro de Estudos do IBMEC

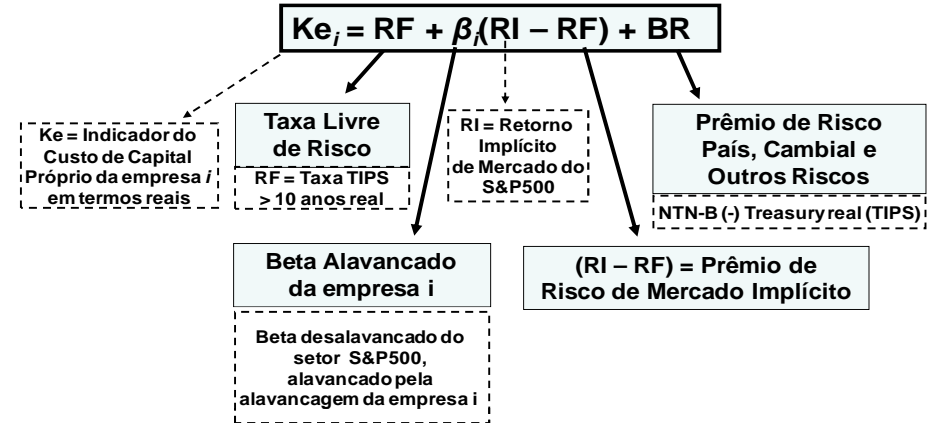
☐ Método 1 de Cálculo do Indicador de Custo de Capital Próprio (Ke)



Notas:

- No método 1 obtém-se primeiramente um indicador de custo de capital próprio nominal em moeda americana e eliminando-se a inflação americana, média dos últimos 10 anos (CPI = 2,5% a.a.), obtém-se o custo de capital próprio real. Para a obtenção do custo de capital próprio nominal de cada empresa acrescenta-se ao indicador real, anteriormente descrito, a mediana do IPCA segundo as expectativas Focus do Banco Central, para o prazo máximo dessas expectativas.
- Posteriormente, todas as empresas são agregadas por setor de atuação, para cálculo do custo de capital próprio médio por setor.

☐ Método 2 de Cálculo do Indicador de Custo de Capital Próprio (Ke)



Notas:

- Taxa livre de risco: *Treasury Inflation Protected Securities (TIPS)*; maturidade acima de 10 anos.
- O prêmio de risco de mercado é "ex-ante" utilizando para cálculo o método proposto por Damodaran (2013)¹ para o S&P 500.
- No método 2 obtém-se primeiramente um indicador de custo de capital próprio real. O custo de capital próprio nominal de cada empresa analisada é obtido acrescentando-se ao custo real a expectativa de inflação, mediana do IPCA segundo as expectativas Focus do Banco Central, para o prazo máximo dessas expectativas.
- Posteriormente, todas as empresas são agregadas por setor de atuação, para cálculo do custo de capital próprio médio por setor.

1. DAMODARAN, A. *Equity Risk Premiums (ERP): Determinants, Estimation and Implications – The 2013 Edition. SSRN Working Paper*, January 2015.

SETORES	EMPRESAS
Aços	Acos Villares; Confab; Ferbasa; Fibam; Forjas Taurus; Gerdau; Gerdau Met; Kepler Weber; Lupatech; Mangels Indl; Met Duque; Metal Iguazu; Metisa; Mundial; Panatlantica; Paranapanema; Sid Nacional; Tekno; Usiminas
Água e esgoto	Casan; Copasa; Sabesp; Sanepar
Alimentos	BRF Foods; Cacique; Clarion; Cosan; Iguacu Café; J B Duarte; JBS; Josapar; M. Diasbranco; Marambaia; Marfrig; Minerva; Rasip Agro; Renar; Sao Martinho; SLC Agrícola; Usin C Pinto
Auto peças	Fras-Le; Iochp-Maxion; Metal Leve; Plascar Part; Schulz; Tupy
Bebidas	Ambev
Calçados	Alpargatas; Grendene; Vulcabras
Computadores/Periféricos	Bematech; Itautec; Positivo Inf
Concessionárias de transporte/Logística	CCR Rodovias; Ecorodovias; Llx Log; Log-In; OHL Brasil; Santos Brp
Construção civil	Brookfield; CC Des Imob; Cr2; Cyrela Realty; Even; Eztec; Gafisa; Helbor; Inepar; Inpar S/A; Joao Fortes; Lix da Cunha; Mendes Jr; MRV; PDG Realt; Rodobensimob; Rossi Resid; Sergen; Sultepa; Tecnisa; Trisul
Distribuidoras de gás natural	Ceg; Comgas
Elerodomésticos/Utensílios domésticos	Brasmotor; Nadir Figuei; Springer; Whirlpool
Energia Elétrica	AES Elpa; AES Tiete; Afluente; Ampla Energ; Ampla Invest; Ceb; Ceee-Gt; Celesc; Celgpar; Celpa; Celpe; Cemar; Cemat; Cemig; Cesp; Coelba; Coelce; Copel; Cosern; CPFL Energia; Elektro; Eletrobras; Eletropar; Eletropaulo; Emae; Energias BR; Energisa; Equatorial; Ger Paranap; Ienergia; Light S/A; MPX Energia; Rede Energia; Terna Part; Tractebel; Tran Paulist
Equipamentos/Serviços de escritório	Contax
Extração de petróleo	Ecodiesel; OGX Petroleo; Petrobras
Ferrovias	All Amer Lat
Hotelaria	BHG
Indústrias de materiais de construção	Eternit; Eucatex; Portobello
Máquinas	Bardella; Inds Romi; Metafrío; Weg
Mineração	Magnesita AS; Vale
Papel e celulose	Celul Irani; Duratex; Fibria; Klabin S/A; Melhor SP; Suzano Papel;
Perfumaria/Comésticos	Dimed; Natura; Profarma
Química básica	Braskem; Elekeiroz; M G Poliest; Millennium; Pronor; Providencia; Quattor Petr; Ultrapar; Unipar
Química diversificada	Fer Heringer; Fosfértil; Nutriplant; Petropar; Yara Brasil
Real State	BR Brokers; BR Malls Par; Cyre Com-Ccp; Direcional; Generalshopp; Iguatemi; JHSF Part; Multiplan
Serviços de informação	Abnote; Csu Cardsystem; Tivit
Serviços de saúde	Dasa; Fleury; Odontoprev
Serviços de telecomunicações	Brasil Telec; Embratel Part; Tele Nort Cl; Telemar; Telemar N L; Telesp; Tim Part S/A; Vivo; Oi
Serviços de transporte	Localiza; Tegma;
Serviços educacionais	Anhanguera; Kroton; Seb
Software	Totvs
Suprimentos médicos	Baumer; Cremer
Tabaco	Souza Cruz
Têxtil/Vestuário	Cedro; Cia Hering; Coteminas; Dohler; Encorpar; Guararapes; Karsten; Le Lis Blanc; Marisol; Pettenati; Santanense; Springs; Vicunha Text
Transportes aéreos	Gol; Tam S/A
TV a cabo	Net
Varejo	B2W Varejo; Globex; Grazziotin; Hypermarcas; Lojas Americ; Lojas Marisa; Lojas Renner; P.Acucar-Cbd
Varejo (linhas especiais)	Drogasil; Saraiva Livr
Veículos aéreos	Embraer
Veículos terrestres	Marcopolo; Randon Part

Nota: A amostra utilizada refere-se ao ano de 2013. Esta amostra será atualizada anualmente.

Os betas Damodaran de cada setor foram recalculados desde janeiro de 2012, conforme a atualização da fonte.

Os dados contábeis utilizados para cálculo do indicador de custo de capital próprio do mês de SETEMBRO/15 referem-se às informações do último trimestre disponível para todas as empresas (SET/2015).

Dessa forma, os indicadores de custo referentes aos meses do último trimestre divulgados no passado serão constantemente atualizados sempre que as informações contábeis trimestrais forem divulgadas pelas empresas.

CUSTO DE CAPITAL PRÓPRIO REAL - MÉTODO 1				
	Média	Mediana	Mínimo	Máximo
jan/10	10,28%	9,79%	6,38%	21,48%
fev/10	10,23%	9,74%	6,33%	21,43%
mar/10	9,95%	9,46%	6,04%	21,15%
abr/10	10,33%	9,76%	7,00%	29,11%
mai/10	10,70%	10,12%	7,36%	29,47%
jun/10	10,65%	10,08%	7,32%	29,43%
jul/10	9,95%	9,35%	5,73%	26,04%
ago/10	9,97%	9,37%	5,75%	26,06%
set/10	9,51%	8,92%	5,29%	25,60%
out/10	9,10%	8,42%	4,93%	23,27%
nov/10	9,30%	8,63%	5,14%	23,48%
dez/10	9,35%	8,67%	5,18%	23,52%
jan/11	9,95%	9,31%	5,08%	22,61%
fev/11	10,20%	9,56%	5,34%	22,86%
mar/11	10,17%	9,53%	5,31%	22,83%
abr/11	10,30%	9,63%	5,34%	25,57%
mai/11	10,20%	9,53%	5,24%	25,47%
jun/11	9,82%	9,14%	4,86%	25,09%
jul/11	10,59%	9,72%	4,85%	34,22%
ago/11	10,61%	9,74%	4,87%	34,24%
set/11	11,07%	10,20%	5,34%	34,71%
out/11	10,52%	9,21%	5,33%	37,56%
nov/11	10,42%	9,11%	5,23%	37,46%
dez/11	10,40%	9,09%	5,21%	37,44%
jan/12	10,14%	8,94%	4,66%	36,18%
fev/12	10,08%	8,95%	4,37%	35,89%
mar/12	10,19%	8,84%	4,26%	35,78%
abr/12	10,51%	9,00%	3,93%	52,55%
mai/12	11,09%	9,58%	4,51%	53,13%
jun/12	10,52%	9,01%	3,95%	52,56%
jul/12	9,89%	8,35%	3,89%	45,93%
ago/12	9,75%	8,21%	3,75%	45,79%
set/12	9,69%	8,16%	3,69%	45,73%
out/12	9,86%	8,41%	3,31%	60,20%
nov/12	9,80%	8,35%	3,25%	60,14%
dez/12	9,77%	8,31%	3,21%	60,10%
jan/13	10,34%	9,26%	3,23%	36,18%
fev/13	10,56%	9,49%	3,45%	36,40%
mar/13	10,85%	9,77%	3,74%	36,68%
abr/13	11,08%	9,61%	3,31%	33,18%
mai/13	11,87%	10,40%	4,10%	33,97%
jun/13	12,56%	11,10%	4,79%	34,66%
jul/13	12,39%	10,94%	5,02%	32,20%
ago/13	12,73%	11,27%	5,35%	32,53%
set/13	12,41%	10,96%	5,04%	32,22%
out/13	12,10%	10,80%	4,82%	36,26%
nov/13	12,54%	11,25%	5,27%	36,71%
dez/13	12,62%	11,33%	5,35%	36,79%
jan/14	12,51%	11,34%	5,58%	38,81%
fev/14	12,20%	11,03%	5,27%	38,50%
mar/14	12,14%	10,97%	5,21%	38,44%
abr/14	11,93%	10,76%	5,00%	38,23%
mai/14	11,70%	10,53%	4,77%	38,00%
jun/14	11,75%	10,58%	4,82%	38,05%
jul/14	11,85%	10,49%	4,72%	39,05%
ago/14	12,04%	10,68%	4,91%	39,24%
set/14	11,77%	10,41%	4,64%	38,97%

CUSTO DE CAPITAL PRÓPRIO REAL - MÉTODO 2				
	Média	Mediana	Mínimo	Máximo
jan/10	11,52%	11,16%	8,65%	19,75%
fev/10	11,23%	10,88%	8,46%	19,19%
mar/10	10,92%	10,59%	8,30%	18,43%
abr/10	11,11%	10,73%	8,89%	23,64%
mai/10	11,75%	11,33%	9,33%	25,41%
jun/10	12,25%	11,78%	9,55%	27,47%
jul/10	11,77%	11,32%	8,59%	23,90%
ago/10	11,88%	11,40%	8,49%	24,81%
set/10	12,16%	11,66%	8,62%	25,67%
out/10	12,00%	11,45%	8,60%	23,60%
nov/10	11,96%	11,41%	8,58%	23,46%
dez/10	11,91%	11,35%	8,43%	23,75%
jan/11	12,32%	11,78%	8,20%	23,03%
fev/11	12,31%	11,78%	8,31%	22,72%
mar/11	12,94%	12,37%	8,60%	24,26%
abr/11	12,91%	12,31%	8,60%	26,18%
mai/11	12,88%	12,28%	8,52%	26,33%
jun/11	13,63%	12,98%	8,88%	28,29%
jul/11	14,74%	13,85%	9,04%	38,29%
ago/11	14,79%	13,83%	8,71%	39,89%
set/11	16,67%	15,54%	9,45%	46,49%
out/11	15,15%	13,73%	9,56%	44,37%
nov/11	14,98%	13,55%	9,35%	44,38%
dez/11	14,17%	12,85%	9,00%	41,16%
jan/12	12,80%	12,20%	5,48%	38,28%
fev/12	12,60%	11,96%	5,40%	36,83%
mar/12	13,20%	12,32%	5,22%	39,20%
abr/12	12,89%	11,82%	4,67%	55,75%
mai/12	13,21%	12,07%	4,38%	59,28%
jun/12	12,74%	11,65%	4,75%	54,42%
jul/12	12,12%	11,19%	4,40%	47,82%
ago/12	11,73%	10,90%	4,16%	46,70%
set/12	11,92%	11,06%	4,10%	48,03%
out/12	12,01%	10,83%	3,77%	63,03%
nov/12	12,11%	10,93%	3,89%	62,98%
dez/12	11,66%	10,53%	3,74%	60,70%
jan/13	11,86%	10,94%	5,81%	33,84%
fev/13	12,07%	11,16%	6,08%	33,84%
mar/13	12,70%	11,73%	6,31%	35,91%
abr/13	13,27%	12,00%	6,42%	32,78%
mai/13	13,43%	12,20%	6,79%	32,34%
jun/13	14,18%	12,92%	7,35%	33,65%
jul/13	13,87%	12,67%	7,66%	30,54%
ago/13	14,38%	13,15%	8,00%	31,55%
set/13	14,56%	13,31%	8,04%	32,08%
out/13	14,13%	13,07%	7,99%	34,55%
nov/13	14,53%	13,50%	8,57%	34,32%
dez/13	14,67%	13,63%	8,67%	34,58%
jan/14	15,41%	14,41%	9,47%	37,97%
fev/14	14,45%	13,49%	8,75%	36,09%
mar/14	14,83%	13,83%	8,87%	37,45%
abr/14	14,81%	13,80%	8,86%	37,39%
mai/14	14,53%	13,51%	8,52%	37,32%
jun/14	14,58%	13,56%	8,57%	37,37%
jul/14	14,79%	13,59%	8,47%	38,90%
ago/14	14,40%	13,24%	8,31%	37,64%
set/14	14,06%	12,92%	8,07%	36,90%

CUSTO DE CAPITAL PRÓPRIO REAL - MÉTODO 1				
	Média	Mediana	Mínimo	Máximo
out/14	12,47%	10,53%	5,04%	39,64%
nov/14	12,57%	10,63%	5,14%	39,74%
dez/14	11,96%	10,83%	5,09%	38,11%
jan/15	10,49%	9,29%	2,48%	31,14%
fev/15	10,50%	9,30%	2,49%	31,15%
mar/15	10,75%	9,55%	2,74%	31,40%
abr/15	11,95%	9,46%	4,98%	56,18%
mai/15	12,08%	9,59%	5,11%	56,30%
jun/15	12,38%	9,88%	5,40%	56,60%
jul/15	12,93%	10,44%	6,31%	48,63%
ago/15	12,80%	10,27%	6,34%	42,06%
set/15	13,76%	10,92%	7,03%	46,85%

CUSTO DE CAPITAL PRÓPRIO REAL - MÉTODO 2				
	Média	Mediana	Mínimo	Máximo
out/14	14,60%	12,95%	8,29%	37,62%
nov/14	14,58%	12,98%	8,43%	37,04%
dez/14	15,42%	14,33%	8,83%	40,50%
jan/15	13,88%	12,69%	5,98%	34,25%
fev/15	13,77%	12,64%	6,25%	33,16%
mar/15	14,12%	12,96%	6,42%	33,94%
abr/15	15,59%	13,20%	8,92%	57,93%
mai/15	15,67%	13,32%	9,12%	57,25%
jun/15	15,98%	13,59%	9,31%	58,29%
jul/15	16,08%	13,75%	9,88%	49,49%
ago/15	17,48%	14,87%	10,83%	47,58%
set/15	17,37%	14,60%	10,80%	49,67%

CUSTO DE CAPITAL PRÓPRIO NOMINAL - MÉTODO 1				
	Média	Mediana	Mínimo	Máximo
jan/10	15,25%	14,73%	11,17%	26,95%
fev/10	15,19%	14,68%	11,11%	26,89%
mar/10	14,90%	14,38%	10,82%	26,60%
abr/10	15,30%	14,70%	11,81%	34,92%
mai/10	15,68%	15,08%	12,19%	35,30%
jun/10	15,63%	15,03%	12,15%	35,25%
jul/10	14,90%	14,27%	10,49%	31,71%
ago/10	14,92%	14,29%	10,51%	31,73%
set/10	14,44%	13,82%	10,03%	31,25%
out/10	14,01%	13,30%	9,65%	28,82%
nov/10	14,22%	13,52%	9,87%	29,03%
dez/10	14,27%	13,56%	9,92%	29,08%
jan/11	14,90%	14,22%	9,81%	28,13%
fev/11	15,16%	14,49%	10,08%	28,39%
mar/11	15,13%	14,46%	10,05%	28,36%
abr/11	15,26%	14,56%	10,08%	31,22%
mai/11	15,16%	14,46%	9,98%	31,12%
jun/11	14,76%	14,05%	9,58%	30,72%
jul/11	15,57%	14,66%	9,57%	40,26%
ago/11	15,58%	14,67%	9,59%	40,28%
set/11	16,07%	15,16%	10,08%	40,77%
out/11	15,49%	14,13%	10,07%	43,75%
nov/11	15,39%	14,02%	9,96%	43,65%
dez/11	15,37%	14,00%	9,94%	43,63%
jan/12	15,10%	13,85%	9,37%	42,31%
fev/12	15,03%	13,85%	9,07%	42,00%
mar/12	15,48%	14,06%	9,27%	42,30%
abr/12	15,93%	14,34%	9,03%	60,03%
mai/12	16,48%	14,89%	9,58%	60,56%
jun/12	15,99%	14,41%	9,09%	60,12%
jul/12	15,16%	13,55%	8,88%	52,93%
ago/12	15,07%	13,46%	8,79%	52,86%
set/12	15,06%	13,46%	8,78%	52,87%
out/12	15,35%	13,83%	8,48%	68,21%
nov/12	15,29%	13,77%	8,41%	68,15%
dez/12	15,25%	13,73%	8,37%	68,11%
jan/13	15,86%	14,73%	8,39%	42,99%
fev/13	16,09%	14,96%	8,62%	43,22%
mar/13	16,39%	15,26%	8,92%	43,52%
abr/13	16,97%	15,43%	8,79%	40,25%
mai/13	17,91%	16,36%	9,72%	41,20%
jun/13	18,41%	16,87%	10,24%	41,67%
jul/13	18,58%	17,04%	10,79%	39,47%
ago/13	18,93%	17,39%	11,14%	39,82%
set/13	18,48%	16,95%	10,71%	39,36%
out/13	18,21%	16,84%	10,53%	43,69%
nov/13	18,57%	17,20%	10,90%	44,02%
dez/13	18,65%	17,28%	10,98%	44,11%
jan/14	18,56%	17,33%	11,26%	46,28%
fev/14	18,00%	16,77%	10,71%	45,66%
mar/14	17,93%	16,70%	10,64%	45,59%
abr/14	17,72%	16,49%	10,43%	45,39%
mai/14	17,49%	16,26%	10,20%	45,15%

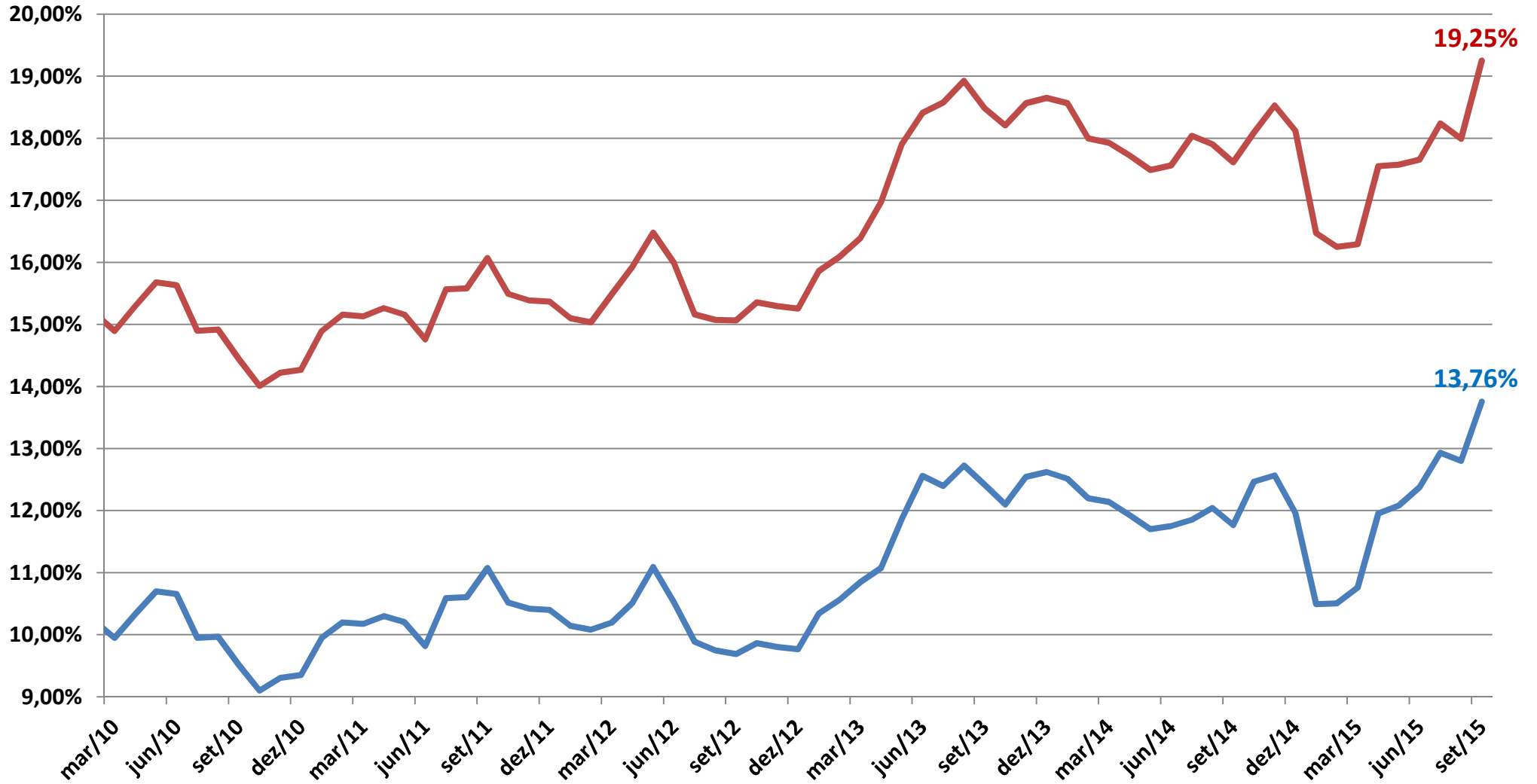
CUSTO DE CAPITAL PRÓPRIO NOMINAL - MÉTODO 2				
	Média	Mediana	Mínimo	Máximo
jan/10	16,54%	16,16%	13,54%	25,14%
fev/10	16,24%	15,87%	13,34%	24,55%
mar/10	15,91%	15,57%	13,18%	23,75%
abr/10	16,11%	15,71%	13,79%	29,21%
mai/10	16,78%	16,34%	14,25%	31,05%
jun/10	17,30%	16,81%	14,48%	33,21%
jul/10	16,80%	16,33%	13,48%	29,48%
ago/10	16,92%	16,42%	13,37%	30,43%
set/10	17,21%	16,69%	13,51%	31,32%
out/10	17,04%	16,47%	13,48%	29,16%
nov/10	16,99%	16,42%	13,46%	29,01%
dez/10	16,95%	16,36%	13,31%	29,32%
jan/11	17,37%	16,81%	13,07%	28,56%
fev/11	17,36%	16,81%	13,18%	28,24%
mar/11	18,03%	17,43%	13,48%	29,86%
abr/11	17,99%	17,37%	13,49%	31,86%
mai/11	17,96%	17,34%	13,40%	32,02%
jun/11	18,74%	18,06%	13,78%	34,06%
jul/11	19,91%	18,97%	13,94%	44,51%
ago/11	19,95%	18,96%	13,60%	46,18%
set/11	21,92%	20,74%	14,37%	53,09%
out/11	20,33%	18,85%	14,49%	50,87%
nov/11	20,15%	18,66%	14,27%	50,87%
dez/11	19,30%	17,93%	13,90%	47,51%
jan/12	17,87%	17,25%	10,23%	44,50%
fev/12	17,66%	17,00%	10,14%	42,98%
mar/12	18,63%	17,71%	10,27%	45,88%
abr/12	18,42%	17,30%	9,80%	63,38%
mai/12	18,70%	17,50%	9,44%	67,00%
jun/12	18,32%	17,18%	9,94%	62,06%
jul/12	17,50%	16,53%	9,41%	54,92%
ago/12	17,15%	16,28%	9,21%	53,82%
set/12	17,40%	16,50%	9,20%	55,29%
out/12	17,61%	16,37%	8,96%	71,18%
nov/12	17,71%	16,48%	9,08%	71,13%
dez/12	17,24%	16,05%	8,93%	68,74%
jan/13	17,45%	16,49%	11,10%	40,54%
fev/13	17,67%	16,72%	11,38%	40,53%
mar/13	18,33%	17,32%	11,63%	42,70%
abr/13	19,29%	17,95%	12,07%	39,83%
mai/13	19,56%	18,26%	12,56%	39,48%
jun/13	20,12%	18,79%	12,93%	40,60%
jul/13	20,13%	18,87%	13,58%	37,72%
ago/13	20,67%	19,38%	13,94%	38,78%
set/13	20,75%	19,42%	13,88%	39,21%
out/13	20,35%	19,23%	13,87%	41,89%
nov/13	20,65%	19,57%	14,38%	41,51%
dez/13	20,80%	19,71%	14,49%	41,78%
jan/14	21,62%	20,56%	15,35%	45,39%
fev/14	20,37%	19,36%	14,37%	43,13%
mar/14	20,76%	19,70%	14,49%	44,54%
abr/14	20,75%	19,70%	14,50%	44,50%
mai/14	20,46%	19,39%	14,14%	44,43%

CUSTO DE CAPITAL PRÓPRIO NOMINAL - MÉTODO 1				
	Média	Mediana	Mínimo	Máximo
jun/14	17,56%	16,33%	10,27%	45,23%
jul/14	18,04%	16,38%	10,27%	61,79%
ago/14	17,90%	16,25%	10,16%	61,53%
set/14	17,61%	15,96%	9,87%	61,24%
out/14	18,09%	16,05%	10,29%	46,62%
nov/14	18,53%	16,49%	10,71%	47,14%
dez/14	18,12%	16,92%	10,87%	45,70%
jan/15	16,47%	15,20%	8,02%	38,24%
fev/15	16,25%	14,98%	7,82%	37,97%
mar/15	16,29%	15,02%	7,88%	37,97%
abr/15	17,55%	14,93%	10,23%	63,98%
mai/15	17,57%	14,96%	10,26%	63,96%
jun/15	17,66%	15,04%	10,36%	63,96%
jul/15	18,24%	15,63%	11,30%	55,61%
ago/15	17,99%	15,34%	11,23%	48,59%
set/15	19,25%	16,28%	12,20%	53,94%

CUSTO DE CAPITAL PRÓPRIO NOMINAL - MÉTODO 2				
	Média	Mediana	Mínimo	Máximo
jun/14	20,53%	19,47%	14,22%	44,51%
jul/14	20,88%	19,61%	14,22%	46,27%
ago/14	20,12%	18,90%	13,73%	44,52%
set/14	19,76%	18,56%	13,48%	43,75%
out/14	20,33%	18,60%	13,70%	44,51%
nov/14	20,66%	18,96%	14,18%	44,31%
dez/14	21,77%	20,61%	14,81%	48,23%
jan/15	19,35%	18,10%	11,07%	40,69%
fev/15	19,23%	18,04%	11,34%	39,56%
mar/15	19,59%	18,38%	11,53%	40,37%
abr/15	21,02%	18,52%	14,04%	65,35%
mai/15	20,88%	18,42%	14,03%	64,33%
jun/15	21,20%	18,70%	14,23%	65,41%
jul/15	21,30%	18,87%	14,83%	56,22%
ago/15	22,76%	20,04%	15,81%	54,22%
set/15	22,65%	19,75%	15,79%	56,41%

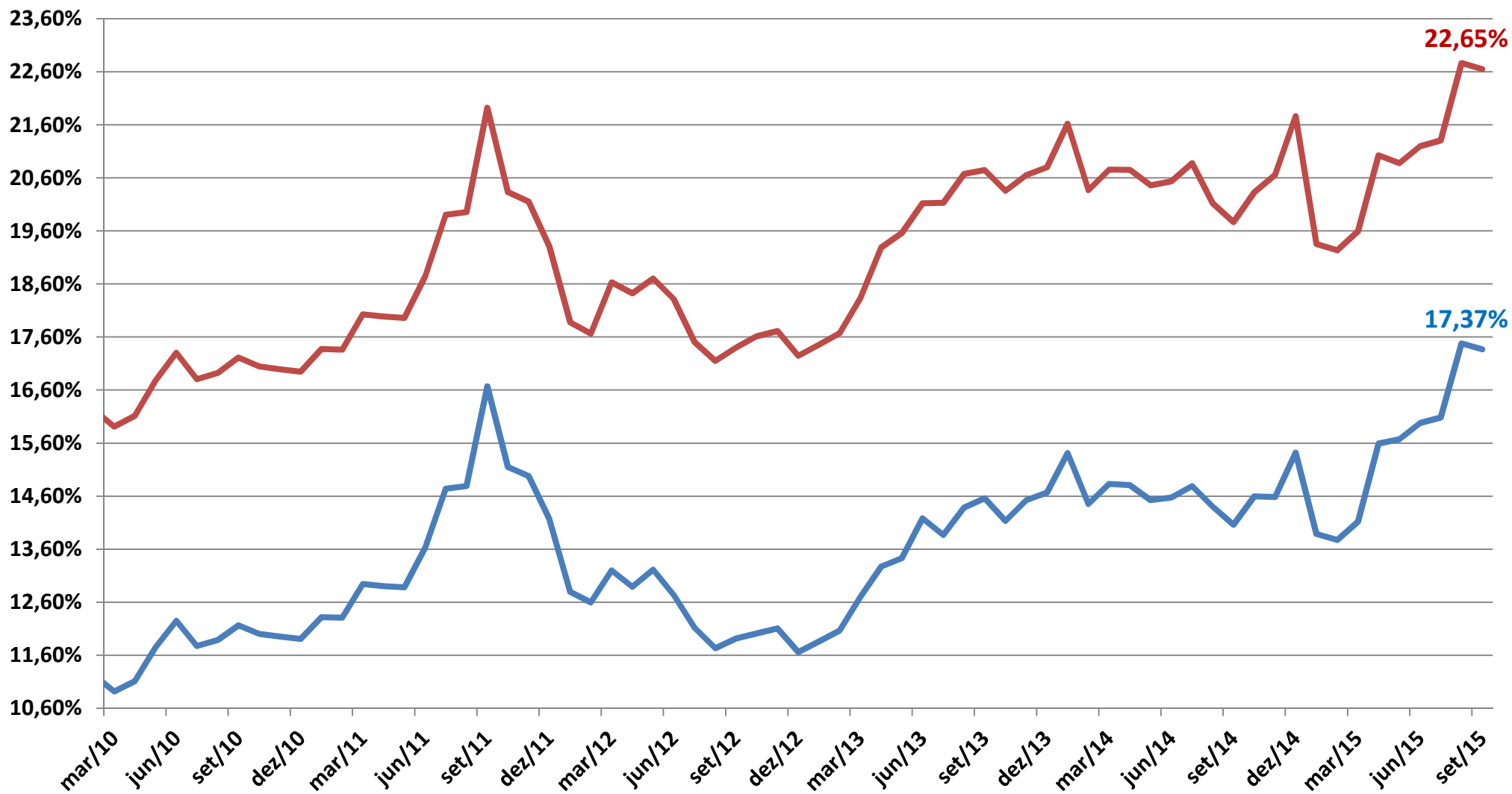
Custo Mediano de Capital Próprio - Método 1

Nominal e Real % ao ano



Custo Mediano de Capital Próprio - Metodo 2

Nominal e Real % ao ano

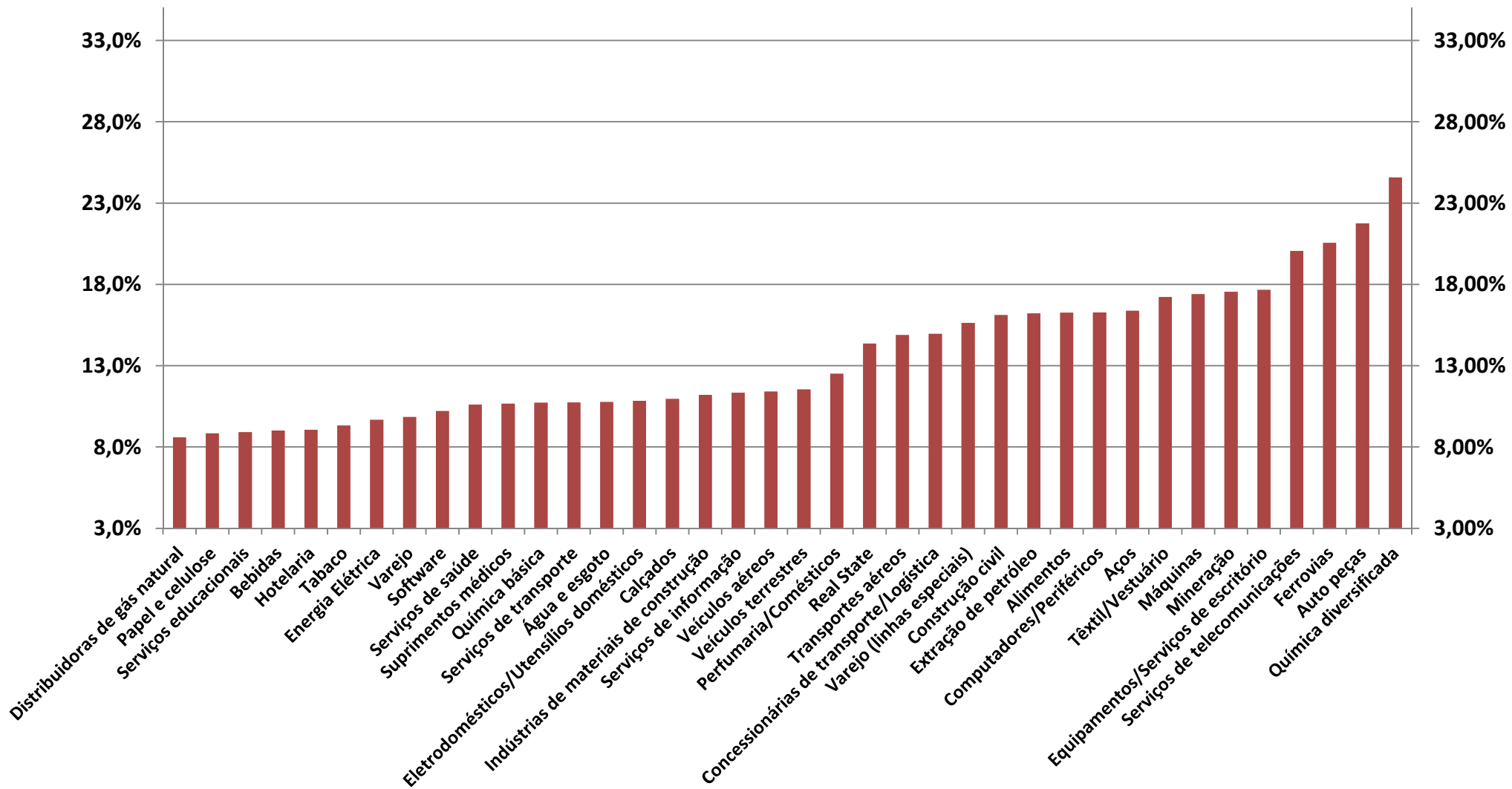


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Indicadores de Custo de Capital Próprio

Estimativas Setoriais - Método 1

MÉDIA SETORIAL DO INDICADOR DE CUSTO DE CAPITAL PRÓPRIO REAL - MÉTODO 1 Setembro/2015



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Indicadores de Custo de Capital Próprio

Estimativas Setoriais - Método 2

MÉDIA SETORIAL DO INDICADOR DE CUSTO DE CAPITAL PRÓPRIO REAL - MÉTODO 2

Setembro/2015

