

Here you can find Beta coefficients for different companies around the world for the year 2010

All Beta coefficients are calculated on a daily basis

We selected the largest companies in every country and measured Beta relative to their local market indexes (which are shown in brackets)

Beta describes the relation of returns between the stock and the market.

The formula for Beta is $\text{Beta} = \text{Cov}(R_s; R_m) / \text{Var}(R_m)$

Cov (R_s; R_m) is the covariance of the stock's and market's returns

Var (R_m) is the dispersion of market returns

Upside Beta analyses the stock's behavior during the upward market's movements.

I.e. Upside Beta shows how the stock grows/falls when the market grows.

For example, you expect that the market will go up next week and you need to pick up the stock that will outpace the market. In this case, choose the stock with the highest Upside Beta

Downside Beta on the opposite analyses the stock's behavior when the market falls

For example, you expect the market to fall next week. Choose the stock with a lowest Downside Beta

If Downside Beta is less than 0, the stock usually goes up when the market goes down.

If you want to know more about Betas please refer to the following sections of the site:

Beta - <http://www.financetoys.com/valuation/wacceng.htm>

Upside and Downside Betas - <http://www.financetoys.com/risk/udbetaeng.htm>

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UNITED STATES (Dow Jones Industrial Average Index)

	Beta	Upside Beta	Downside Beta
3M	1.00	1.03	0.94
Alcoa	1.68	1.50	1.85
American Express	1.59	1.57	1.59
AT&T	0.66	0.67	0.66
Bank of America	1.68	1.54	1.83
Boeing	1.45	1.46	1.42
Caterpillar	1.67	1.70	1.64
Chevron	1.11	1.16	1.09
Cisco Systems	1.22	1.05	1.36
Coca-Cola	0.66	0.75	0.59
El du Pont de Nemours & Co	1.35	1.46	1.23
Exxon Mobil	0.94	0.95	0.94
General Electric	1.38	1.33	1.42
Hewlett-Packard	1.04	0.95	1.17
Home Depot	1.00	1.01	0.99
Intel	1.17	1.15	1.18
International Business Machines	0.91	0.92	0.89
Johnson & Johnson	0.56	0.51	0.61
JPMorgan Chase & Co	1.44	1.35	1.49
Kraft Foods	0.65	0.64	0.67
McDonald's	0.64	0.71	0.59
Merck & Co	0.83	0.86	0.83
Microsoft	0.99	0.85	1.09
Pfizer	0.86	0.84	0.90
Procter & Gamble	0.55	0.58	0.51
Travelers Cos	0.80	0.83	0.77
United Technologies	1.12	1.15	1.11
Verizon Communications	0.61	0.65	0.58
Wal-Mart Stores	0.46	0.38	0.57
Walt Disney	1.12	1.17	1.09

UNITED KINGDOM (FTSE 100 Index)

	Beta	Upside Beta	Downside Beta
Scottish & Southern Energy	0.47	0.43	0.50
Rolls-Royce Group	0.84	0.94	0.75
Aviva	1.49	1.55	1.44
Tullow Oil	1.34	1.34	1.37
BT Group	0.98	0.99	0.99
Centrica	0.62	0.64	0.61
Prudential	1.01	0.89	1.09
Imperial Tobacco Group	0.41	0.28	0.56
National Grid	0.51	0.40	0.59
Reckitt Benckiser Group	0.69	0.63	0.75
Unilever	0.76	0.79	0.74
Lloyds Banking Group	1.76	1.81	1.74
SABMiller	1.02	1.12	0.95
Diageo	0.66	0.68	0.65
Tesco	0.55	0.57	0.55
Xstrata	2.07	2.04	2.08
Barclays	1.97	1.99	1.90
Standard Chartered	1.35	1.50	1.24
AstraZeneca	0.56	0.49	0.59
Anglo American	1.76	1.73	1.79
British American Tobacco	0.59	0.61	0.58
BG Group	1.06	1.09	1.05
BHP Billiton	1.56	1.56	1.54
GlaxoSmithKline	0.59	0.57	0.64
Royal Dutch Shell	0.97	0.99	0.95
Rio Tinto	1.77	1.74	1.79
Royal Dutch Shell	0.94	0.93	0.94
BP	0.80	0.69	0.86
Vodafone Group	0.69	0.72	0.68
HSBC Holdings	0.96	1.04	0.87

GERMANY (DAX index)

	Beta	Upside Beta	Downside Beta
Adidas	0.95	0.86	1.09
Allianz	1.01	1.06	0.97
BASF	1.26	1.33	1.20
Bayer	0.89	0.86	0.94
Bayerische Motoren Werke	1.24	1.40	1.07
Beiersdorf	0.57	0.56	0.61
Commerzbank	1.03	1.01	1.04
Daimler	1.37	1.47	1.27
Deutsche Bank	1.39	1.43	1.34
Deutsche Boerse	1.01	1.01	1.07
Deutsche Lufthansa	1.14	1.09	1.16
Deutsche Post	1.04	0.94	1.11
Deutsche Telekom	0.67	0.60	0.77
E.ON	0.86	0.68	1.03
Fresenius Medical Care AG & Co	0.35	0.32	0.36
Fresenius SE & Co	0.42	0.41	0.38
HeidelbergCement	1.54	1.63	1.51
Henkel AG & Co	0.60	0.61	0.59
Infineon Technologies	1.48	1.55	1.46
K+S	0.89	0.88	0.90
Linde	0.76	0.76	0.75
MAN	1.32	1.43	1.21
Merck	0.44	0.32	0.54
Metro	0.86	0.94	0.82
Muenchener Rueckversicherungs	0.72	0.73	0.72
RWE	0.67	0.54	0.82
SAP	0.60	0.56	0.62
Siemens	1.32	1.36	1.26
ThyssenKrupp	1.24	1.17	1.31
Volkswagen	1.07	1.05	1.07

FRANCE (CAC 40 Index)

	Beta	Upside Beta	Downside Beta
Total	0.86	0.82	0.89
Sanofi-Aventis	0.72	0.71	0.74
BNP Paribas	1.62	1.72	1.50
GDF Suez	0.94	0.89	1.00
Societe Generale	1.79	1.94	1.64
France Telecom	0.63	0.62	0.65
Schneider Electric	1.15	1.19	1.12
LVHM Moet Hennessy Louis Vuitton	1.04	1.09	0.99
Air Liquide	0.91	0.96	0.84
Danone	0.67	0.71	0.65
AXA	1.58	1.70	1.48
Vivendi	0.93	0.90	0.95
ArcelorMittal	1.22	1.15	1.29
Carrefour	0.77	0.81	0.78
L'Oreal	0.75	0.76	0.72
Vinci	1.07	1.06	1.10
Cie de St-Gobain	1.30	1.29	1.27
Unibail-Rodamco	0.79	0.87	0.72
Pernod-Ricard	0.62	0.65	0.61
Credit Agricole	1.60	1.59	1.58
Cie Generale des Etablissements Michelin	0.94	0.90	0.93
Essilor International	0.35	0.33	0.39
Alstom	0.91	0.80	1.00
EADS	0.65	0.75	0.55
PPR	0.85	0.91	0.81
EDF	0.56	0.36	0.74
Alcatel-Lucent/France	0.95	0.81	1.10
Lafarge	1.11	1.06	1.16
Vallourec	1.14	1.21	1.03
Veolia Environnement	0.77	0.67	0.88

JAPAN (NIKKEI 225 Index)

	Beta	Upside Beta	Downside Beta
FANUC	1.25	1.21	1.23
Fast Retailing Co	1.10	1.11	1.17
Softbank	0.84	0.99	0.74
Kyocera Corp	1.24	1.27	1.22
Honda Motor Co	1.02	1.07	0.95
Canon	1.15	1.18	1.12
KDDI	0.60	0.58	0.61
TDK	1.40	1.48	1.29
Tokyo Electron	1.40	1.44	1.36
Terumo	1.03	1.00	1.05
Shin-Etsu Chemical Co	1.18	1.16	1.18
Takeda Pharmaceutical Co	0.45	0.42	0.47
Secom Co	0.65	0.62	0.67
Toyota Motor	0.79	0.74	0.80
Eisai Co	0.52	0.40	0.63
Astellas Pharma	0.57	0.53	0.62
Advantest	1.50	1.49	1.51
Komatsu	1.09	1.21	0.97
Sony	1.08	1.13	1.06
Denso	1.07	1.17	0.98
FUJIFILM Holdings	0.94	0.93	0.94
NTT Data	1.05	1.06	1.06
Daikin Industries	1.21	1.20	1.24
Mitsubishi	1.05	1.11	0.99
Olympus	1.18	1.14	1.20
Trend Micro	1.09	1.05	1.08
Dentsu	1.07	1.08	1.08
Kao	0.61	0.49	0.71
Hitachi Construction Machinery Co	1.17	1.15	1.18
Seven & I Holdings Co	0.69	0.62	0.77

BRAZIL (BOVESPA Index)

	Beta	Upside Beta	Downside Beta
Petroleo Brasileiro	0.96	0.85	1.06
Vale	1.19	1.28	1.13
OGX Petroleo e Gas Participacoes	1.08	1.06	1.11
Itau Unibanco Holding	1.03	1.04	0.98
BM&Fbovespa	1.23	1.24	1.21
Petroleo Brasileiro	0.93	0.87	0.97
Usinas Siderurgicas de Minas Gerais	1.16	1.17	1.17
Banco Bradesco	1.01	1.10	0.88
Gerdau	1.26	1.18	1.33
Vale	1.23	1.31	1.16
Banco do Brasil	0.93	0.92	0.92
PDG Realty SA Empreendimentos e Particip	1.24	1.48	1.00
Cia Siderurgica Nacional	1.08	1.12	1.08
Itausa - Investimentos Itau	1.00	1.00	0.97
Cielo	0.75	0.73	0.82
Redecard	0.70	0.55	0.85
Gafisa	1.30	1.35	1.27
BRF - Brasil Foods	0.63	0.70	0.59
Fibra Celulose	1.39	1.33	1.44
Cyrela Brazil Realty SA Empreendimentos	1.29	1.26	1.34
MRV Engenharia e Participacoes	1.31	1.46	1.16
Cia Energetica de Minas Gerais	0.45	0.39	0.47
MMX Mineracao e Metalicos SA	1.48	1.38	1.59
JBS	1.01	0.91	1.13
Rossi Residencial	1.44	1.54	1.36
Lojas Renner	0.85	0.93	0.80
Lojas Americanas	0.95	0.96	1.04
Tim Participacoes	0.85	0.92	0.79
All America Latina Logistica	0.83	0.89	0.81
Tele Norte Leste Participacoes	0.66	0.64	0.75

CHINA (Shanghai Composite)

	Beta	Upside Beta	Downside Beta
PetroChina	0.84	0.84	0.84
Industrial & Commercial Bank of China	0.64	0.64	0.63
Bank of China	0.62	0.66	0.60
China Petroleum & Chemical	1.04	1.00	1.06
China Shenhua Energy	1.30	1.44	1.20
China Life Insurance	1.04	1.09	1.01
China Merchants Bank	1.01	1.00	1.01
Ping An Insurance Group Co of China	0.96	1.05	0.85
Shanghai Pudong Development Bank	1.09	1.09	1.08
Kweichow Moutai	0.48	0.54	0.44
SAIC Motor	1.14	1.11	1.14
Bank of Communications	0.96	0.89	1.00
Industrial Bank	1.26	1.29	1.24
China Citic Bank	1.21	1.16	1.23
Sany Heavy Industry	1.43	1.54	1.36
CITIC Securities	1.44	1.57	1.34
China Pacific Insurance Group	1.25	1.34	1.17
China Yangtze Power	0.54	0.58	0.52
Daqing Railway	0.78	0.75	0.77
Baoshan Iron & Steel Co Ltd	1.01	0.90	1.05
China United Network Communications	0.88	0.94	0.84
China Shipbuilding Industry	0.80	1.09	0.54
China Minsheng Banking Corp Ltd	0.89	0.83	0.92
China State Construction Engineering	0.73	0.66	0.78
Aluminum Corp of China	1.17	1.00	1.34
Anhui Conch Cement	1.18	1.17	1.17
China Coal Energy	1.38	1.52	1.28
Yanzhou Coal Mining	1.69	2.05	1.44

HONG KONG (Hang Seng Index)

	Beta	Upside Beta	Downside Beta
HSBC Holdings PLC	0.99	0.95	1.02
China Construction Bank	1.15	1.22	1.09
China Mobile	0.65	0.60	0.69
Industrial & Commercial Bank of China	1.12	1.10	1.13
CNOOC	1.47	1.56	1.38
Bank of China	1.13	1.18	1.08
PetroChina	1.29	1.29	1.30
China Life Insurance	0.99	0.92	1.04
Tencent Holdings	0.98	1.00	1.05
Hutchison Whampoa	0.90	0.98	0.81
Sun Hung Kai Properties	1.04	1.01	1.07
Hong Kong Exchanges and Clearing	1.10	1.23	0.94
Cheung Kong Holdings	0.89	0.88	0.88
Ping An Insurance Group Co of China	1.27	1.31	1.24
China Petroleum & Chemical	1.10	1.05	1.14
Li & Fung	0.75	0.71	0.79
China Shenhua Energy	1.49	1.47	1.50
CLP Holdings	0.21	0.27	0.17
Hang Seng Bank Ltd	0.43	0.48	0.36
BOC Hong Kong Holdings	0.66	0.84	0.49
Swire Pacific	0.86	0.91	0.83
Hang Lung Properties	0.88	0.96	0.82
Hong Kong & China Gas	0.39	0.41	0.37
Wharf Holdings	1.16	1.15	1.15
Power Assets Holdings	0.17	0.25	0.08
Belle International Holdings	1.04	1.16	1.02
China Unicom Hong Kong Ltd	1.06	1.16	0.98
China Overseas Land & Investment	1.02	1.01	1.00
Henderson Land Development	1.04	0.99	1.10
Bank of Communications	1.25	1.19	1.29

KOREA (KOSPI Index)

	Beta	Upside Beta	Downside Beta
Samsung Electronics	1.22	1.20	1.16
Hyundai Motor	1.01	1.11	0.83
POSCO	1.12	0.93	1.36
Hyundai Heavy Industries	1.39	1.67	1.14
Hyundai Mobis	0.96	1.20	0.67
LG Chem	1.13	1.19	1.00
Kia Motors	0.89	1.24	0.47
Shinhan Financial Group	1.15	1.13	1.24
KB Financial Group	1.45	1.39	1.62
SK Innovation Co Ltd	1.36	1.52	1.31
Hynix Semiconductor	1.17	1.11	1.17
Korea Electric Power	0.89	0.75	1.02
S-Oil	1.01	1.06	1.01
LG Electronics	0.93	0.79	1.04
LG	1.00	0.95	1.13
SK Telecom	0.44	0.29	0.61
Honam Petrochemical	1.62	1.86	1.45
Lotte Shopping	0.67	0.81	0.49
LG Display	1.30	1.23	1.28
Hyundai Steel	1.14	1.21	1.12
Woori Finance Holdings	1.48	1.50	1.58
OCI	1.02	1.13	0.97
Samsung Fire & Marine Insurance	0.73	0.64	0.81
Hana Financial Group	1.10	1.10	1.22
Samsung C&T Corp	0.90	0.85	0.94
KT Corp	0.42	0.25	0.56
Industrial Bank of Korea	1.30	1.42	1.23
Samsung Heavy Industries	0.99	1.12	0.91
NHN Corp	0.51	0.42	0.60

ARGENTINA (Indice Bolsa General)

	Beta	Upside Beta	Downside Beta
Tenaris	1.22	1.19	1.24
Petroleo Brasileiro SA	0.95	0.80	1.09
Telecom Argentina	1.11	1.19	1.00
Aluar Aluminio Argentino	0.94	0.99	0.92
Siderar	1.08	0.98	1.19
Banco Macro SA	1.14	1.28	1.00
Petrobras Argentina SA	0.78	0.88	0.71
Molinos Rio de la Plata	0.86	0.93	0.77
BBVA Banco Frances	1.13	1.14	1.19
Grupo Financiero Galicia	1.40	1.62	1.21
Ledesma	0.81	0.80	0.81
Grupo Clarin	0.68	0.80	0.57
Banco Hipotecario	1.32	1.35	1.34
Banco Patagonia	0.45	0.52	0.38
Cresud SACIF y A	0.88	0.83	0.95
IRSA Inversiones y Representaciones	0.96	0.99	0.95
Pampa Energia SA	0.71	0.68	0.75
Transportadora de Gas del Sur SA	0.65	0.68	0.54
Central Puerto	0.69	0.68	0.70
Alto Palermo	0.08	0.22	-0.08
Juan Minetti	0.66	0.71	0.58
Boldt SA	0.37	0.41	0.37
SA Importadora y Exportadora	0.04	0.09	-0.04
Boldt Gaming	0.47	0.47	0.50
Consultatio	0.42	0.30	0.54
Solvay Indupa	0.58	0.45	0.70
Capex	0.83	0.81	0.84
Banco Santander Rio	0.95	0.97	0.95
Empresa Distribuidora Y Comercializadora	0.74	0.78	0.68
Rigolleau	0.08	0.03	0.12

MEXICO (IPC Index)

	Beta	Upside Beta	Downside Beta
America Movil SAB de CV	0.96	1.00	0.91
Wal-Mart de Mexico SAB de CV	0.86	0.77	0.93
Grupo Mexico SAB de CV	1.59	1.68	1.48
Fomento Economico Mexicano SAB de CV	0.60	0.67	0.58
Grupo Televisa SA	0.98	0.97	0.98
Cemex SAB de CV	1.59	1.53	1.59
Grupo Financiero Banorte SAB de CV	0.99	1.20	0.80
Alfa SAB de CV	0.80	0.86	0.76
Grupo Financiero Inbursa SA	1.10	1.27	1.00
Telefonos de Mexico SAB de CV	0.57	0.52	0.69
Industrias Penoles SAB de CV	1.28	1.32	1.19
Grupo Bimbo SAB de CV	1.01	0.96	1.10
Grupo Modelo SAB de CV	0.79	0.79	0.86
Kimberly-Clark de Mexico SAB de CV	0.66	0.66	0.74
Grupo Elektra SA de CV	0.90	0.63	1.08
Mexichem SAB de CV	1.16	1.38	0.97
Grupo Carso SAB de CV	0.93	0.90	1.01
Urbis Desarrollos Urbanos SAB de CV	0.86	0.81	0.93
Corp GEO SAB de CV	0.90	1.00	0.84
Grupo Aeroportuario del Pacifico SAB de CV	0.78	0.90	0.77
Empresas ICA SAB de CV	1.06	1.11	1.06
Genomma Lab Internacional SAB de CV	0.84	1.16	0.57
TV Azteca SAB de CV	0.53	0.53	0.54
Desarrolladora Homex SAB de CV	1.17	1.08	1.28
Organizacion Soriana SAB de CV	0.83	0.67	0.96
Industrias CH SAB de CV	0.93	0.84	1.04
Embotelladoras Arca SAB de CV	0.28	0.35	0.27

INDONESIA (Jakarta Composite Index)

	Beta	Upside Beta	Downside Beta
Astra International	1.36	1.51	1.19
Bank Central Asia	1.26	1.26	1.24
Telekomunikasi Indonesia	0.74	0.70	0.74
Bank Mandiri	1.29	1.15	1.45
Bank Rakyat Indonesia Persero	1.19	1.13	1.24
Unilever Indonesia	0.89	0.99	0.79
Perusahaan Gas Negara	1.05	1.00	1.09
Gudang Garam	0.81	1.02	0.56
United Tractors	1.25	1.26	1.20
Adaro Energy	1.12	1.11	1.12
Bank Negara Indonesia Persero	0.97	0.95	0.92
Bumi Resources	1.58	1.71	1.46
Indocement Tungal Prakarsa	1.08	1.09	1.11
Indo Tambangraya Megah	1.06	0.92	1.17
Bayan Resources	0.18	0.27	0.03
Semen Gresik Persero	1.06	1.27	0.85
Bank Danamon Indonesia	1.21	1.12	1.27
Tambang Batubara Bukit Asam	1.08	0.99	1.19
XL Axiata	0.64	0.66	0.46
International Nickel Indonesia	1.38	1.31	1.57
Indofood Sukses Makmur	0.96	0.95	1.03
Astra Agro Lestari	1.14	1.16	1.13
Bank Internasional Indonesia	0.99	0.76	1.25
Kalbe Farma	0.90	0.80	1.04
Charoen Pokphand Indonesia	1.28	1.48	0.97
Indosat	0.83	0.67	0.98
Bank Pan Indonesia	0.87	0.91	0.89