

Appendix Tables

Table 1—A Detailed Example of the Various Computed Estimates and Statistics¹

Break Point	Linear Characteristic Line Model			
	Alpha	Beta	R ² Adj.	Jarque-Bera
1	0.0119 (−0.0045)	1.4486 (−0.0968)	0.8351	7.1602
2	−0.0016 (−0.0040)	1.2807 (−0.0709)	0.8882	1.0186
3	0.0015 (−0.0054)	1.2966 (−0.0782)	0.8010	0.9597
Overall	0.0036 (0.0029)	1.3211 (0.0486)	0.8260	4.0506
James Test	5.1380	2.1537		
Chow Statistics	1.2118			

Break Point	Quadratic Characteristic Lines Model			
	C ₀	C ₁	C ₂	R ² Adj. Jarque-Bera
1	0.0180 (−0.0060)	1.2148 (−0.1872)	−0.7592 (−1.1230)	0.7412 0.3195
2	−0.0014 (−0.0055)	1.2871 (−0.1155)	−0.1568 (−1.0260)	0.8441 1.9428
3	−0.0029 (−0.0076)	1.2033 (−0.0981)	0.3013 (−0.7283)	0.6863 0.6495
Overall	0.0039 (0.0039)	1.2321 (0.0624)	−0.1837 (0.4595)	0.7302 1.7821
James Test	7.1073	0.3201	0.6426	
Chow Statistics	1.0807			

¹Please refer to the text as to how to compute James and Jarque-Bera statistics**Table 2—Number of Statistically Significant (at least 10 percent) Estimates of Regression Coefficients and Adjusted R² ≥ 0.25 in Overall Sample and Three Non-overlapping Regimes**

Country	Breakpoint	a	β	R ² Adj.	C ₀	C ₁	C ₂	R ² Adj.
Argentina	1	2	7	6	1	8	0	6
	2	0	6	6	0	6	0	6
	3	0	7	6	1	6	1	6
	Overall	0	7	6	0	7	1	6
Total		2	27	24	2	27	2	24
Brazil	1	0	4	0	0	4	0	3
	2	0	4	3	1	4	2	3
	3	0	4	3	1	5	2	3
	Overall	0	5	3	1	5	3	3
Total		0	17	9	3	18	7	12
Chile	1	3	4	1	4	4	3	1
	2	1	6	2	2	3	1	2
	3	0	4	2	0	4	0	2
	Overall	2	5	2	2	4	1	2
Total		6	19	7	8	15	5	7
Mexico	1	2	8	7	2	8	2	6
	2	3	8	8	1	8	3	8
	3	0	8	6	2	8	4	6
	Overall	0	8	7	1	8	5	8
Total		5	32	28	6	32	14	28

Table 3A—Chow Statistics

Stock #	Argentina		Brazil		Chile		Mexico	
	L	Q	L	Q	L	Q	L	Q
1	1.2118	1.0807	1.2811	0.9436	1.4190	0.6559	1.4678	1.0644
2	0.4739	0.1649	1.4706	0.7972	0.9948	0.9952	0.4710	0.7099
3	0.4759	0.5810	0.4122	0.7170	2.2934	1.8359	1.3488	1.5761
4	1.0314	1.2941	1.4483	1.4301	1.8147	1.0987	0.1427	0.6339
5	0.6645	1.1237	0.9145	0.9698	0.7676	0.6148	0.8437	3.6772
6	0.2626	0.8440			0.6210	1.6695	1.5775	1.9429
7	0.5128	0.5887			0.3600	0.4736	3.0674	2.5020
8	1.3564	1.0442					0.9599	0.9891

L = Linear Characteristics Line; Q = Quadratic Characteristics Lines. The numerator and denominator degrees of freedom for the F-statistic are (4,150) and (6,147). The values of F-statistics at the 5 percent level are 2.37 and 2.10, respectively. An obtained value greater than 2.37 in columns L and greater than 2.10 in columns Q is required for the Chow statistic to be significant at the 5 percent level

Table 3B—J-Statistics¹

Stock #	Alpha	Beta	Jarque-Bera	C ₀	C ₁	C ₂	Jarque-Bera
Argentina							
1	5.1380	2.1537	4.0506	7.1073	0.3200	0.6425	1.7821
2	0.6315	1.6418	17.8810	0.2495	0.1721	1.0872	13.1317
3	1.4575	1.6814	1,736.64003	1.7153	1.3593	1.8342	1,601.4982
4	1.0349	3.1275	58.2816	4.1776	2.7341	3.8623	69.8994
5	0.3639	2.7084	21.8012	0.1168	3.2323	0.2441	5.1191
6	0.7984	0.4375	1,769.5021	0.0272	4.3076	4.2930	1,780.4029
7	0.8971	0.9106	51.0294	2.8715	1.1371	0.7100	20.9937
8	4.3671	2.4902	103.8652	1.9584	2.2138	0.2847	75.7827
Brazil							
1	0.7108	5.6741	91.1892	0.8235	1.99781	0.9956	45.8002
2	2.6296	3.5665	10.3067	1.9785	1.1042	0.3427	6.3177
3	1.8322	1.7815	28,629.9933	2.8914	3.8152	2.1884	27,879.5663
4	2.3986	3.9836	88.9933	1.5685	0.6548	6.3242	63.9648
5	0.5824	3.5633	6.0669	1.6922	5.7404	7.4128	2.6308
Chile							
1	0.7398	6.5878	4,549.7826	0.1787	3.7864	0.2972	4,536.9319
2	2.9251	3.2390	680.4215	0.0965	4.1681	4.5226	682.0173
3	10.0831	4.2849	37.6499	3.5221	7.0802	2.8835	33.5699
4	3.4347	3.3930	449.0955	5.7990	2.1674	2.5928	387.6188
5	0.6566	4.9644	71.1115	1.7471	4.0360	1.1399	104.5928
6	1.7136	0.8319	2.7448	5.4545	0.0128	7.9518	6.8756
7	0.6306	1.4537	3,626.0644	0.3965	1.2265	2.4992	2,787.3663
Mexico							
1	2.3315	3.8917	0.3002	2.6607	2.2228	0.9712	0.9845
2	1.5657	0.2086	11.6916	3.2342	0.5955	3.2756	15.8031
3	3.8769	2.0575	4.9723	7.3811	0.5324	3.4362	2.1794
4	0.2385	0.2790	2.7947	0.6771	0.0597	4.6277	3.3288
5	0.2272	3.100	19.9516	2.3446	6.5897	5.4285	4.1169
6	4.5935	4.5529	43.5011	2.0739	1.8350	4.9724	21.0761
7	7.0392	7.6587	37.2773	6.9615	6.3784	2.5444	32.3715
8	2.3064	1.6216	4.4750	2.8898	0.6582	2.3277	4.5527

¹In all cases the J-statistics is distributed as χ^2 with two degrees of freedom. Hence, a obtained value of the J-statistic greater than 5.99 (9.21) is required to signal the significance of J-statistics at the 5 percent (10 percent) level of significance

