



Research article

Correlation structure networks of stock market during terrorism: evidence from Pakistan

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Supplementary

Appendix A

Table A1. List of 202 Stocks of Pakistan Stock Market classified by their respective industry sector and colored accordingly.

S.No	Nodes	Company Name	Sector	Color
1	ABL	Allied Bank	Commercial Banks	Green
2	ABOT	Abbot Laboratories	Pharmaceuticals	Orange
3	ACPL	Attock Cement	Cement	Red
4	ADOS	Ados Pakistan	Engineering	Cyan
5	AGL	Agritech	Chemical	Orange
6	AGTL	Al-Ghazi Tractors	Automobile Assembler	Yellow
7	AHCL	Arif Habib Corporation	Fertilizer	Pink
8	AHL	Arif Habib	Inv. Banks / Inv. Cos. / Securities Cos.	Green
9	AICL	Adamjee Insurance Company	Insurance	Silver
10	AKBL	Askari Bank	Commercial Banks	Green
11	AMTEX	Amtex	Textile Spinning	Beige
12	ANL	Azgard Nine	Textile Composite	Beige

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S.No	Nodes	Company Name	Sector	Color
13	APL	Attock Petroleum	Oil & Gas Marketing Companies	Blue
14	ATBA	Atlas Battery	Automobile Parts & Accessories	Yellow
15	ATIL	Atlas Insurance	Insurance	Silver
16	ATLH	Atlas Honda	Automobile Assembler	Yellow
17	ATRL	Attock Refinery	Refinery	Gold
18	BAFL	Bank Al-Falah	Commercial Banks	Green
19	BAHL	Bank Al-Habib	Commercial Banks	Green
20	BATA	Bata Pakistan	Leather & Tanneries	Beige
21	BERG	Berger Paints Pakistan	Chemical	Orange
22	BIPL	Bankislami Pakistan	Commercial Banks	Green
23	BNWM	Bannu Woolen Mills	Woolen	Beige
24	BOK	Bank of Khyber	Commercial Banks	Green
25	BOP	Bank of Punjab	Commercial Banks	Green
26	BPL	Burshane LPG (Pakistan)	Oil & Gas Marketing Companies	Blue
27	BRR	B.R.R. Guardian Modaraba	Modarabas	Silver
28	BYCO	Byco Petroleum Pakistan	Refinery	Gold
29	CENI	Century Insurance Company	Insurance	Silver
30	CEPB	Century Paper and Board Mills	Paper & Board	Olive
31	CHBL	Chenab Limited	Textile Composite	Beige
32	CHCC	Cherat Cement Company	Cement	Red
33	CJPL	Crescent Jute Products	Jute	Purple
34	CLOV	Clover Pakistan	Food & Personal Care Products	Purple
35	COLG	Colgate Palmolive (Pakistan)	Chemical	Orange
36	CPPL	Cherat Packaging	Paper & Board	Olive
37	CSAP	Crescent Steel & Allied Products	Engineering	Cyan
38	CSM	Crescent Standard Modaraba	Modarabas	Silver
39	DAWH	Dawood Hercules Corporation	Fertilizer	Pink
40	DCL	Dewan Cement	Cement	Red
41	DEL	Dawood Equities	Inv. Banks / Inv. Cos. / Securities Cos.	Green
42	DFML	Dewan Farooque Motors	Automobile Assembler	Yellow
43	DGKC	D.G. Khan Cement Company	Cement	Red
44	DLL	Dawood Lawrancepur	Textile Composite	Beige
45	DNCC	Dandot Cement Company	Cement	Red
46	DOL	Descon Oxychem	Chemical	Orange
47	DSFL	Dewan Salman Fibre	Synthetic & Rayon	Beige
48	DSIL	D.S. Industries Limited	Textile Spinning	Beige
49	DSL	Dost Steels	Engineering	Cyan
50	DWSM	Dewan Sugar Mills	Sugar & Allied Industries	Gold
51	DYNO	Dynea Pakistan	Chemical	Orange
52	ECOP	Ecopack Limited	Miscellaneous	Celadon
53	EFOODS	Engro Foods	Food & Personal Care Products	Purple
54	EFUG	EFU General Insurance	Insurance	Silver

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S.No	Nodes	Company Name	Sector	Color
55	EFUL	EFU Life Assurance	Insurance	Silver
56	EMCO	Emco Industries	Glass & Ceramics	Olive
57	ENGRO	Engro Corporation	Fertilizer	Pink
58	EPCL	Engro Polymer and Chemicals	Chemical	Orange
59	EXIDE	Exide Pakistan	Automobile Parts & Accessories	Yellow
60	FABL	Faysal Bank	Commercial Banks	Green
61	FATIMA	Fatima Fertilizer Company	Fertilizer	Pink
62	FCCL	Fauji Cement Company	Cement	Red
63	FCSC	First Capital Securities Corporation	Inv. Banks / Inv. Cos. / Securities Cos.	Green
64	FDIBL	First Dawood Investment Bank	Inv. Banks / Inv. Cos. / Securities Cos.	Green
65	FECM	First Elite Capital Modaraba	Modarabas	Silver
66	FECTC	Fecto Cement	Cement	Red
67	FEM	First Equity Modarba	Modarabas	Silver
68	FEROZ	Ferozsons Laboratories	Pharmaceuticals	Orange
69	FFBL	Fauji Fertilizer Bin Qasim	Fertilizer	Pink
70	FFC	Fauji Fertilizer Company	Fertilizer	Pink
71	FHAM	First Habib Modaraba	Modarabas	Silver
72	FLYNG	Flying Cement Company	Cement	Red
73	FNBM	First National Bank Modaraba	Modarabas	Silver
74	FNEL	First National Equities	Inv. Banks / Inv. Cos. / Securities Cos.	Green
75	GADT	Gadoon Textile Mills	Textile Spinning	Beige
76	GASF	Golden Arrow Selected Funds	Close - End Mutual Fund	White
77	GATM	Gul Ahmed Textile Mills	Textile Composite	Beige
78	GGL	Ghani Gases	Chemical	Orange
79	GHGL	Ghani Glass	Glass & Ceramics	Olive
80	GHNL	Ghandara Nissan	Automobile Assembler	Yellow
81	GLAXO	GlaxoSmithKline (Pakistan)	Pharmaceuticals	Orange
82	GTYR	General Tyre and Rubber Co. of Pakistan	Automobile Parts & Accessories	Yellow
83	GWLC	Gharibwal Cement	Cement	Red
84	HABSM	Habib Sugar Mills	Sugar & Allied Industries	Gold
85	HAL	Habib-ADM Limited	Sugar & Allied Industries	Gold
86	HBL	Habib Bank	Commercial Banks	Green
87	HCAR	Honda Atlas Cars (Pakistan)	Automobile Assembler	Yellow
88	HICL	Habib Insurance Company	Insurance	Silver
89	HIFA	HBL Investment Fund	Close - End Mutual Fund	White
90	HINO	HinoPak Motors	Automobile Assembler	Yellow
91	HINOON	Highnoon Laboratories	Pharmaceuticals	Orange
92	HIRAT	Hira Textile Mills	Textile Spinning	Beige
93	HMB	Habib Metropolitan Bank	Commercial Banks	Green
94	HSPI	Huffaz Seamless Pipe Industries	Engineering	Cyan
95	HUBC	Hub Power Company	Power Generation & Distribution	Light Brown
96	HUMNL	Hum Network Limited	Technology & Communication	Light grey

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S.No	Nodes	Company Name	Sector	Color
97	IBLHL	IBL HealthCare	Pharmaceuticals	Orange
98	ICI	I.C.I. Pakistan	Chemical	Orange
99	ICIBL	Invest Capital Investment Bank	Inv. Banks / Inv. Cos. / Securities Cos.	Green
100	IGIHL	IGI Holdings	Insurance	Silver
101	INDU	Indus Motor Company	Automobile Assembler	Yellow
102	INIL	International Industries	Engineering	Cyan
103	ISL	International Steels	Engineering	Cyan
104	JOPP	Johnson and Phillips (Pakistan)	Cable and Electric Goods	Cyan
105	JPGL	Japan Power Generation	Power Generation & Distribution	Light Brown
106	JSBL	JS Bank Limited	Commercial Banks	Green
107	JSCL	Jahangir Siddiqui Company	Inv. Banks / Inv. Cos. / Securities Cos.	Green
108	JSGCL	JS Global Capital	Inv. Banks / Inv. Cos. / Securities Cos.	Green
109	JSIL	JS Investments	Inv. Banks / Inv. Cos. / Securities Cos.	Green
110	KAPCO	Kot Addu Power Company	Power Generation & Distribution	Light Brown
111	KEL	K-Electric Limited	Power Generation & Distribution	Light Brown
112	KOHC	Kohat Cement	Cement	Red
113	KOHE	Kohinoor Energy	Power Generation & Distribution	Light Brown
114	KTML	Kohinoor Textile Mills	Textile Composite	Beige
115	LUCK	Lucky Cement	Cement	Red
116	MACFL	Macpac Films	Miscellaneous	Celadon
117	MARI	Mari Petroleum Company	Oil & Gas Exploration Companies	Blue
118	MCB	MCB Bank	Commercial Banks	Green
119	MDTL	Media Times	Technology & Communication	Light grey
120	MEBL	Meezan Bank	Commercial Banks	Green
121	MERIT	Merit Packaging	Paper & Board	Olive
122	MFFL	Mitchells Fruit Farms	Food & Personal Care Products	Purple
123	MLCF	Maple Leaf Cement Factory	Cement	Red
124	MRNS	Mehran Sugar Mills	Sugar & Allied Industries	Gold
125	MTL	Millat Tractors	Automobile Assembler	Yellow
126	MUREB	Murree Brewery Company	Food & Personal Care Products	Purple
127	MZSM	Mirza Sugar Mills	Sugar & Allied Industries	Gold
128	NATF	National Foods	Food & Personal Care Products	Purple
129	NBP	National Bank of Pakistan	Commercial Banks	Green
130	NCL	Nishat Chunian Limited	Textile Composite	Beige
131	NCPL	Nishat Chunian Power Limited	Power Generation & Distribution	Light Brown
132	NESTLE	Nestle Pakistan	Food & Personal Care Products	Purple
133	NETSOL	NetSol Technologies	Technology & Communication	Light grey
134	NICL	Nimir Industrial Chemicals	Chemical	Orange
135	NML	Nishat Mills	Textile Composite	Beige
136	NPL	Nishat Power	Power Generation & Distribution	Light Brown
137	NRL	National Refinery	Refinery	Gold
138	OGDC	Oil and Gas Development Company	Oil & Gas Exploration Companies	Blue

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S.No	Nodes	Company Name	Sector	Color
139	OLPL	Orix Leasing Pakistan	Leasing	Silver
140	OTSU	Otsuka Pakistan	Pharmaceuticals	Orange
141	PACE	Pace (Pakistan) Limited	Miscellaneous	Celadon
142	PAEL	Pak Elektron	Cable and Electric Goods	Cyan
143	PAKD	Pak Datacom	Technology & Communication	Light grey
144	PAKOXY	Pakistan Oxygen	Chemical	Orange
145	PAKRI	Pakistan Reinsurance Company	Insurance	Silver
146	PAKT	Pakistan Tobacco Company	Tobacco	camel
147	PASL	Pervez Ahmed Securities	Inv. Banks / Inv. Cos. / Securities Cos.	Green
148	PCAL	Pakistan Cables Limited	Cable and Electric Goods	Cyan
149	PIAA	Pakistan International Airlines Corporation	Transport	Yellow
150	PICT	Pakistan International Container Terminal	Transport	Yellow
151	PINL	Premier Insurance	Insurance	Silver
152	PIOC	Pioneer Cement	Cement	Red
153	PKGP	PAKGEN Power	Power Generation & Distribution	Light Brown
154	PKGS	Packages Limited	Paper & Board	Olive
155	PMI	First Prudential Modaraba	Modarabas	Silver
156	PMPK	Philip Morris (Pakistan)	Tobacco	Camel
157	PNSC	Pakistan National Shipping Corporation	Transport	Yellow
158	POL	Pakistan Oilfields	Oil & Gas Exploration Companies	Blue
159	PPL	Pakistan Petroleum	Oil & Gas Exploration Companies	Blue
160	PRL	Pakistan Refinery	Refinery	Gold
161	PSMC	Pak Suzuki Motor Company	Automobile Assembler	Yellow
162	PSO	Pakistan State Oil Company	Oil & Gas Marketing Companies	Blue
163	PTC	Pakistan Telecommunication Company	Technology & Communication	Light grey
164	QUICE	Quice Food	Food & Personal Care Products	Purple
165	SAPL	Sanofi-Aventis Pakistan	Pharmaceuticals	Orange
166	SBL	Samba Bank	Commercial Banks	Green
167	SCBPL	Standard Chartered Bank	Commercial Banks	Green
168	SEARL	The Searle Company	Pharmaceuticals	Orange
169	SEPL	Security Paper	Paper & Board	Olive
170	SHEL	Shell Pakistan	Oil & Gas Marketing Companies	Blue
171	SHEZ	Shezan International	Food & Personal Care Products	Purple
172	SHFA	Shifa International Hospitals	Miscellaneous	Celadon
173	SHSML	Shahmurad Sugar Mills	Sugar & Allied Industries	Gold
174	SIEM	Siemens Pakistan Engineering Co.	Cable and Electric Goods	Cyan
175	SILK	Silkbank Limited	Commercial Banks	Green
176	SITC	Sitara Chemical Industries	Chemical	Orange
177	SMBL	Summit Bank	Commercial Banks	Green
178	SMTM	Samin Textiles	Textile Weaving	Beige
179	SNAI	Sana Industries	Textile Spinning	Beige
180	SNBL	Soneri Bank	Commercial Banks	Green

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S.No	Nodes	Company Name	Sector	Color
181	SNGP	Sui Northern Gas Pipelines	Oil & Gas Marketing Companies	Blue
182	SPL	Sitara Peroxide	Chemical	Orange
183	SPLC	Saudi Pak Leasing Company	Leasing	Silver
184	SRVI	Service Industries	Leather & Tanneries	Beige
185	SSGC	Sui Southern Gas Company	Oil & Gas Marketing Companies	Blue
186	STCL	Shabbir Tiles and Ceramics	Glass & Ceramics	Olive
187	STPL	Siddiqsons Tin Plate	Miscellaneous	Celadon
188	TELE	Telecard Limited	Technology & Communication	Light grey
189	TGL	Tariq Glass Industries	Glass & Ceramics	Olive
190	THALL	Thal Limited	Automobile Parts & Accessories	Yellow
191	TREET	Treet Corporation	Food & Personal Care Products	Purple
192	TRG	TRG Pakistan	Technology & Communication	Light grey
193	TRIBL	Trust Investment Bank	Inv. Banks / Inv. Cos. / Securities Cos.	Green
194	TRIPF	Tri-Pack Films	Miscellaneous	Celadon
195	TSPL	Tri-Star Power	Power Generation & Distribution	Light Brown
196	UBL	United Bank	Commercial Banks	Green
197	UDPL	United Distributors Pakistan	Miscellaneous	Celadon
198	UPFL	Unilever Pakistan Foods	Food & Personal Care Products	Purple
199	WAHN	Wah Noble Chemicals	Chemical	Orange
200	WAVES	Waves Singer Pakistan	Cable and Electric Goods	Cyan
201	WTL	World Call Telecom	Technology & Communication	Light grey
202	ZIL	ZIL Limited	Food & Personal Care Products	Purple



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