

Appendix 1

【Table A.1 Original Data of Chunghwa Telecom】

Date	Debt Ratio	Firm Size	Profitability	Growth	Collateral	Risk	Cash	Earnings volatility
	Y	X ₁	X ₂	X ₃	X ₄	X ₅	X ₆	X ₇
Mar-2008	0.1283	19.9563	0.2293	0.0073	0.6992	10.4169	18.0814	0.2403
Dec-2007	0.1508	19.9581	0.2255	-0.0257	0.7083	8.9675	18.1297	0.2440
Sep-2007	0.1111	19.9223	0.2770	0.0129	0.7322	7.1719	17.8060	0.2434
Jun-2007	0.1815	19.9793	0.2661	0.0373	0.6995	0.3687	18.2171	0.2473
Mar-2007	0.1168	19.9614	0.2668	-0.0336	0.7222	-4.0380	18.1837	0.2517
Dec-2006	0.1323	19.9489	0.2286	-0.0002	0.7443	806.0093	18.0731	0.2555
Sep-2006	0.1177	19.9046	0.2555	0.0204	0.7808	0.2295	17.5162	0.2584
Jun-2006	0.1967	19.9668	0.2649	0.0298	0.7439	6.1797	17.9619	0.2634
Mar-2006	0.1060	19.9390	0.2243	-0.0394	0.7743	-2.0178	17.5942	0.2672
Dec-2005	0.1133	19.9443	0.2042	-0.0156	0.7864	20.1260	17.5506	0.2727
Sep-2005	0.1050	19.9114	0.2932	0.0324	0.8160	5.0041	16.6578	0.2684
Jun-2005	0.2095	20.0002	0.2778	0.0391	0.7569	1.0388	17.7550	0.2736
Mar-2005	0.1219	19.9767	0.2643	-0.0395	0.7864	-3.5628	17.3171	0.2803
Dec-2004	0.2312	19.9621	0.2309	-0.0028	0.8124	69.9796	17.1925	0.2867
Sep-2004	0.1167	19.9158	0.2809	0.0024	0.8496	-13.8926	16.1162	0.2891
Jun-2004	0.2090	19.9928	0.2940	0.0187	0.7979	3.1329	17.5727	0.2968
Mar-2004	0.1267	19.9694	0.2869	-0.0056	0.8303	-33.5689	17.1671	0.3059
Dec-2003	0.2304	19.9485	0.2674	-0.0146	0.8636	12.2564	16.4221	0.3139
Sep-2003	0.1440	19.9267	0.2723	0.0245	0.8714	-0.7480	15.3538	0.3190
Jun-2003	0.1969	19.9576	0.2923	0.0378	0.8505	5.1005	16.6292	0.3302
Mar-2003	0.1308	19.9446	0.2502	-0.0217	0.8736	-27.2028	15.5621	0.3416
Dec-2002	0.2496	19.9594	0.1406	-0.0337	0.8741	13.5682	15.8505	0.3146
Sep-2002	0.1709	19.9482	0.2619	0.0416	0.8678	0.1562	15.0947	0.2915
Jun-2002	0.2354	19.9974	0.2851	0.0343	0.8286	-0.3565	16.9471	0.3068
Mar-2002	0.2330	19.9599	0.2959	-0.0269	0.8658	-23.7087	15.3375	0.3243
Dec-2001	0.2431	19.9374	0.2017	-0.0561	0.8901	6.5404	15.3509	0.2595
Sep-2001	0.1844	19.9333	0.2496	-0.0033	0.8750	-145.5908	15.5211	0.2325
Jun-2001	0.2417	19.9745	0.1677	0.0050	0.8317	-28.0235	17.2240	0.1376
Mar-2001	0.2611	19.9785	0.1994	-0.0375	0.8271	1.5471	17.1325	0.1433
Dec-2000	0.2791	19.9596	0.2061	0.0171	0.8275	-10.0579	16.9991	0.1630
Sep-2000	0.1602	19.9335	0.2357	0.0215	0.8298	10.1527	16.1453	0.1342
Jun-2000	0.2076	19.9625	0.2103	0.0055	0.8021	-9.0882	16.5388	0.0000

【Table A.2 Original Data of Taiwan Mobile】

Date	Debt Ratio	Firm Size	Profitability	Growth	Collateral	Risk	Cash	Earnings Volatility
	Y	X ₁	X ₂	X ₃	X ₄	X ₅	X ₆	X ₇
Mar-2008	0.4865	18.3649	0.3201	0.0064	0.4464	-279.1998	14.8570	0.6087
Dec-2007	0.6208	18.2464	-0.3928	-0.0169	0.5068	143.8802	14.7171	0.5337
Sep-2007	0.4190	18.2915	0.2813	0.0402	0.6170	-3.7896	14.9567	0.3179
Jun-2007	0.4792	18.3415	0.3294	0.0340	0.5961	5.2916	15.7691	0.3199
Mar-2007	0.2375	18.6268	0.3096	0.0186	0.4502	18.7321	15.9793	0.3248
Dec-2006	0.2317	18.5774	0.2437	0.0023	0.4892	-177.8944	15.9199	0.3270
Sep-2006	0.2361	18.5421	0.4543	0.0014	0.4969	162.9435	15.6419	0.3188
Jun-2006	0.3311	18.6236	0.3859	0.0275	0.4606	17.1354	16.2522	0.3238
Mar-2006	0.2386	18.6129	0.2650	-0.0334	0.4690	5.6829	16.5143	0.3217
Dec-2005	0.2588	18.5808	0.2924	-0.0160	0.4911	10.9785	16.0236	0.3231
Sep-2005	0.2697	18.5496	0.3622	0.0477	0.5110	-0.1160	14.6537	0.3247
Jun-2005	0.3471	18.5996	0.3650	0.0483	0.4961	1.4842	15.6618	0.3308
Mar-2005	0.2696	18.5811	0.3515	0.0083	0.5017	23.5977	15.0489	0.3381
Dec-2004	0.3322	18.6134	0.2449	-0.0391	0.4964	10.2165	14.9459	0.3456
Sep-2004	0.3659	18.6038	0.4883	0.0456	0.5205	9.8197	15.0508	0.3340
Jun-2004	0.4654	18.6527	0.3245	0.0044	0.5037	-40.3762	13.9274	0.3349
Mar-2004	0.4140	18.6590	0.4256	0.0008	0.4913	538.4254	14.8260	0.3362
Dec-2003	0.4691	18.6855	0.2926	-0.0725	0.4796	2.2757	14.4474	0.3373
Sep-2003	0.5121	18.7135	0.3248	0.0632	0.4817	3.8883	14.8198	0.3397
Jun-2003	0.5459	18.7246	0.2697	0.0202	0.4767	-4.6781	15.0904	0.3497
Mar-2003	0.4939	18.7133	0.2974	0.0893	0.4684	-0.0611	14.9423	0.3565
Dec-2002	0.5507	18.7780	0.3499	-0.1432	0.4421	-2.1931	15.7610	0.3672
Sep-2002	0.4464	18.5558	0.2169	-0.0049	0.5605	60.7467	14.6381	0.3794
Jun-2002	0.4754	18.5687	0.3650	-0.0003	0.5655	346.1949	14.8675	0.3704
Mar-2002	0.4556	18.5909	0.3881	0.0048	0.5349	18.7786	16.2851	0.3761
Dec-2001	0.4359	18.4734	0.3231	-0.0683	0.5629	3.5505	16.2421	0.3939
Sep-2001	0.5029	18.4692	0.4057	0.0116	0.5568	30.6105	16.1686	0.3778
Jun-2001	0.4335	18.2355	0.3143	0.0340	0.6779	0.8103	15.3304	0.4031
Mar-2001	0.4526	18.1830	0.3272	-0.0093	0.7383	-2.1772	14.6839	0.4205
Dec-2000	0.4754	18.1445	0.2727	0.0178	0.7549	1.6839	14.9574	0.4355
Sep-2000	0.4918	18.0908	0.3479	0.0815	0.7452	3.0427	14.3524	0.4439
Jun-2000	0.4967	17.9799	0.2905	0.0976	0.7302	-0.9087	14.0639	0.4894
Mar-2000	0.5142	17.9111	0.3460	0.1279	0.6753	5.0869	15.8105	0.2238
Dec-1999	0.5283	17.8390	0.2190	0.2198	0.6632	4.9970	15.9090	0.0000

【Table A.3 Original Data of FarEastone Telecom】

Date	Debt Ratio	Firm Size	Profitability	Growth	Collateral	Risk	Cash	Earnings Volatility
	Y	X ₁	X ₂	X ₃	X ₄	X ₅	X ₆	X ₇
Mar-2008	0.1618	18.2965	0.1941	0.0239	0.3253	-2.7406	13.7821	0.1798
Dec-2007	0.1401	18.3402	0.2206	0.0279	0.3229	-2.3975	15.1005	0.1818
Sep-2007	0.1600	18.2464	0.2488	0.0601	0.3581	-0.4310	14.3891	0.1838
Jun-2007	0.2704	18.3441	0.2739	0.0330	0.3267	1.8956	15.7528	0.1867
Mar-2007	0.1532	18.3234	0.2668	0.0066	0.3479	-6.3595	15.2754	0.1905
Dec-2006	0.1766	18.3129	0.2931	-0.0037	0.3667	17.8922	14.9456	0.1935
Sep-2006	0.1825	18.2763	0.3098	0.0067	0.3801	-4.3460	13.8522	0.1959
Jun-2006	0.2913	18.3703	0.3239	-0.0094	0.3561	-11.8444	15.4147	0.1993
Mar-2006	0.1839	18.3536	0.2913	0.0186	0.3768	-1.1987	14.9294	0.2041
Dec-2005	0.2129	18.3484	0.2931	-0.0452	0.3909	3.5022	14.7062	0.2082
Sep-2005	0.2299	18.3264	0.3398	0.0136	0.3957	-2.7440	13.1137	0.2063
Jun-2005	0.3511	18.4421	0.3641	0.0658	0.3570	0.8587	16.0686	0.2100
Mar-2005	0.1924	18.3371	0.3674	0.0104	0.3380	23.0162	15.7323	0.2162
Dec-2004	0.2156	18.3027	0.3116	-0.0105	0.3670	16.1048	14.9989	0.2201
Sep-2004	0.2691	18.2940	0.3706	0.0473	0.3776	0.6831	14.5082	0.2164
Jun-2004	0.3401	18.3200	0.3750	0.0052	0.3833	20.9771	15.1906	0.2236
Mar-2004	0.3156	18.3050	0.3394	-0.0105	0.4043	-58.6796	14.4592	0.2327
Dec-2003	0.3976	18.0843	0.2191	0.0520	0.5291	-1.2653	14.8692	0.1839
Sep-2003	0.3372	17.9369	0.2337	0.0541	0.6187	2.0733	15.5727	0.1878
Jun-2003	0.3741	17.9388	0.2403	0.0188	0.6382	10.4087	15.5096	0.1977
Mar-2003	0.3357	17.9063	0.1895	-0.0028	0.6518	-21.3985	15.2345	0.2048
Dec-2002	0.3528	17.8895	0.2265	-0.0032	0.6824	55.0004	14.6212	0.2189
Sep-2002	0.3705	17.8634	0.2098	0.0230	0.6869	-3.5198	14.1364	0.2124
Jun-2002	0.4309	17.9116	0.2458	0.0512	0.6646	0.7904	15.0567	0.2149
Mar-2002	0.4256	17.9008	0.2241	0.0676	0.6784	4.5780	14.6452	0.2340
Dec-2001	0.3887	17.7822	0.2196	-0.0526	0.7706	4.6093	14.8479	0.2516
Sep-2001	0.3963	17.7410	0.2670	-0.0845	0.8060	-3.6917	13.5743	0.0222
Jun-2001	0.4312	17.7271	0.1768	-0.1009	0.7863	-2.6502	13.7374	0.0000