Expectations and the Structure of Share Prices

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Table 2.16   Analysis of Forecasts by Industrial Category:
1963 Predictions vs. 1963–68 Actual Earnings

Pred.	Correlation	T	T^M	T^{BI}	T^{WI}	No. of Observations
1	.21	.75	.32	.23	.63	173
2	.25	.73	.31	.20	.62	171
3	.48	.66	.31	.18	.55	122
4	.75	.46	.05	.21	.41	59
5	.42	.62	.12	.17	.58	172
6	.69	.45	.07	.11	.43	37
7	.51	.58	.16	.22	.51	60
g_{p1}	.42	.65	.07	.26	.59	153
g_{p2}	.39	.71	.09	.32	.63	131
g_{p3}	.47	.66	.04	.19	.63	121
g_{p4}	.45	.77	.04	.17	.75	156

would be 4 for the most difficult industry (in years when there were four predictors compared), 8 for the next most difficult, and so on. In this case, the coefficient of concordance (Kendall's W) would be unity. The values of Kendall's W were significantly different from zero beyond the 0.05 level for most of the years as were differences between industries for the correlation coefficients for most of the predictors.[11] These findings indicate that there were industry differences. For the long-term predictions, correlation coefficients between forecasts and realizations tended to be highest in the oil, food and stores, and "cyclical" industries. For the short-term predictions, there was really no industry that was particularly easy to predict compared with the others; that is, prediction performances were uniformly mediocre across industries.

The electric utility industry turned out to be one of the more difficult industries for which to make long-term forecasts. This would come as a distinct surprise to the participating security analysts who claimed at the outset that they had some reservations about their abilities to predict earnings for the metals and other "cyclical" companies, but had confidence that they could make accurate predictions for the utilities.[12] It turned out that the long-term predictions for the utility industry were considerably worse than for the metals and "cyclicals."

In general, we had little success in associating forecasting performance with industry or company characteristics. Forecasting differences between industries were only moderately related to the average realized

11. The latter was tested on the basis of the asymptotic distribution of the correlation coefficient and the assumption that the data were distributed normally.

12. This confidence was also reflected in the fact that for the electric utility industry there was high agreement among the forecasters, whereas agreement was relatively low for the cyclical group.