

Table 4-4 Estimation Result of Trance Log Production Function of the Japanese Manufacturing Industry (Firm size: number of workers is between 30 and 99)

Equation	SSE	MSE	Root MSE	R-Square	Adj R-Sq	DurbinWatson
S54	0.35664	0.0019488	0.04415	0.5443	0.5343	1.871
S55	0.00538	0.00002939	0.0054213	0.8424	0.8390	1.842
S60	0.01544	0.0000844	0.0091868	0.0278	0.0065	1.476

Parameter	Estimate	Std Err	'T'Ratio	Prob> T
A1	2.506557	0.28472	8.80	0.0001
A2	0.445272	0.03561	12.50	0.0001
A3	0.036693	0.02565	1.43	0.1543
B11	-0.213712	0.06735	-3.17	0.0018
B22	0.026217	0.0021159	12.39	0.0001
B33	0.00161850	0.0005123	3.16	0.0019
B12	-0.079568	0.0088511	-8.99	0.0001
B13	0.00358158	0.0005698	6.29	0.0001
B14	-0.121985	0.01506	-8.10	0.0001
B23	-0.00082552	0.0001619	-5.10	0.0001
B24	-0.014140	0.0019748	-7.16	0.0001
B34	-0.00310805	0.0026457	-1.17	0.2416
B1T	0.00360502	0.0013361	2.70	0.0076
B2T	0.00064692	0.0001636	3.95	0.0001
B3T	-0.00018568	0.0002575	-0.72	0.4718

Author's estimation

Author's estimation based on 'Survey of Working Status and Conditions of Elderly Persons' in 1980, 1982, 1986.
 * indicates, (*) $\Delta F/\Delta x$ is for discrete change of dummy variable from 0 to 1
 ** indicates the test of the underlying coefficient being 0.