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## Glossary

Symbol

$$d_{53} = \frac{D_{53}}{K_{53}}$$

$$d_t^* = \frac{D_t}{K_{t-1}}$$

$$e_{jt} = \left(\frac{S_t - S_t^{t-1}}{H_{t-1}}\right)_j$$

$$e_t^{t-1} = \left(\frac{I^e}{I}\right)_t^{t-1}$$

$$G = \frac{p_{t-1}^* + d_{t-1}^*}{0.13545} - 1$$

H

$$\Delta h_{jt} = \left(\frac{H_t - H_{t-1}}{H_{t-1}}\right)_{j}$$

Description

1953 depreciation charges as ratio of 1953 gross fixed assets

Depreciation charges of the year t as ratio of gross fixed

assets at end of year t-1Error in sales expectations of the *j*th firm as ratio of end of previous year inventories

Proportion of planned capital expenditures indicated for expansion

Gross profits relative to mean gross profits

Inventories in millions of 1954 dollars

Inventory investment ratio of the jth firm in the year t

$$h_{jt}^* = \left(\frac{k_t S_t - H_{t-1}}{H_{t-1}}\right)_j$$

$$h_{j,\,t-1}^* = \left(\frac{k_t S_{t-1} - H_{t-1}}{H_{t-1}}\right)_j$$

$$h_{j,\,t+1}^t = \left(\frac{k_t S_{t+1}^t - H_{t-1}}{H_{t-1}}\right)_j$$

$$h_{jt}^{t-1} = \left(\frac{h_t S_t^{t-1} - H_{t-1}}{H_{t-1}}\right)_j$$

 $I_t$ 

$$I_{t+1}^t$$

$$i_t = \frac{I_t}{K_{E,T}}$$

$$i_t^* = \frac{I_t}{K_{t-1}}$$

$$i_{tAV} = (i_{t+1} + 2i_t + i_{t-1})/4$$

$$i_{t+1}^t = \frac{I_{t+1}^t}{K_{57}}$$

Description

Desired inventory investment ratio component relating to current sales

Desired inventory investment ratio component relating to previous sales

Desired inventory investment ratio component relating to sales expectations

Desired inventory investment ratio component relating to previous sales expectations

Capital expenditures of the year t, in millions of 1954 dollars

Capital expenditure anticipations for the year t + 1 in millions of 1954 dollars (presumably held at the end of the year t and reported in the spring survey of the year t + 1)

Capital expenditures in 1954 dollars as ratio of 1957 gross fixed assets

Capital expenditures in 1954 dollars as ratio of previous gross fixed assets

Weighted, centered average capital expenditure ratio

Capital expenditure anticipations one year ahead as ratio of 1957 gross fixed assets

$$i_t^{t-1} = \frac{I_t^{t-1}}{K_{57}}$$

$$i_{t+4}^t = \frac{I_{t+4}^t}{K_{57}}$$

$${i_{t+1}^t} = \frac{I_{t+1}^t}{K_{t-1}}$$

$$i_t^e = e_t^{t-1} i_t^*$$

$$i_t^r = (1 - e_t^{t-1})i_t^*$$

$$i_{t+1}^{e\,t}=e_{t+1}^t i_{t+1}^{t^*}$$

$$i_{t+1}^{rt} = (1 - e_{t+1}^t)i_{t+1}^{t*}$$

K

$$\begin{aligned} k_{jt} &= \left[ (H_{t-1}/S_{t-1})_j + (H_{t-2}/S_{t-2})_j \right. \\ &+ \left. (H_{t-3}/S_{t-3})_j \right]/3 \end{aligned}$$

$$m_t = \frac{V_t}{NW_t + R_t + B_t}$$

Description

Capital expenditure anticipations for the year t as ratio of 1957 gross fixed assets

Capital expenditure anticipations four years ahead as ratio of 1957 gross fixed assets

Capital expenditure anticipations one year ahead as ratio of previous gross fixed assets

Ratio of expansion capital expenditures to previous gross fixed assets

Ratio of replacement and modernization capital expenditures to previous gross fixed assets

Ratio of expansion capital expenditure anticipations to previous gross fixed assets

Ratio of replacement and modernization capital expenditure anticipations to previous gross fixed assets

Gross fixed assets in millions of dollars

Desired inventory-to-sales ratio of the jth firm in the year t

Ratio of market value of firm to net worth + depreciation reserve + bonded indebtedness

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IJΥ	111	U	$o_{\iota}$	

P

Net profits (after taxes) in millions of 1954 dollars

$$p_t = \frac{P_t}{K_{57}}$$

$$p_{p\,t} = \frac{P_t}{K_{p,\,t-1}}$$

Net profits in 1954 dollars as ratio of previous price-deflated gross fixed assets

$$p_t^* = \frac{P_t}{K_{t-1}}$$

Net profits in 1954 dollars as ratio of previous gross fixed assets

$$\Delta q_{jgt} = \left(\frac{Q_t - Q_{t-1}}{Q_{t-1}}\right)_{jg}$$

The relative change in the price index for the group g containing the jth firm

R

Depreciation reserves in millions of dollars

$$r_t^d = R_t / K_{t-1}$$

Depreciation reserves as a ratio of previous gross fixed assets

 $RGP_t = p_t^* + d_t^* - \sum_{i=1}^{3} (p_{t-j}^* + d_{t-j}^*)/3$ 

Relative gross profits

$$r_t = \frac{P_t^{\prime} + D_t + Z_t}{V_t}$$

Rate of return = (net profits + depreciation charges + interest payments) + market value of firm

 $S_{t}$ 

Sales of the year, t, in millions of 1954 dollars

 $S_{t-1}$ 

Sales of the year t-1, in millions of 1954 dollars

 $(S_t - S_{t-1})/S_{t-1}$ 

One year sales change ratio

 $(S_t \! - \! S_{t-3})/S_{t-3}$ 

Three year sales change ratio

 $(S_t - S_{t-4})/S_{t-4}$ 

Four year sales change ratio

$$S_t - S_t^{t-1} = S_t - (1 + s_t^{t-1})S_{t-1}$$

$$S_t^{t-1} = (1 + s_t^{t-1}) S_{t-1}$$

$$s_{t+1}^t = \frac{S_{t+1}^t - S_t}{S_t} \qquad \text{and} \qquad$$

$$s_t^{t-1} = \frac{S_t^{t-1} - S_{t-1}}{S_{t-1}}$$

$$S_{t+1}^t = (1 + s_{t+1}^t) S_t$$

$$\Delta s_t = \frac{3(S_t - S_{t-1})}{S_{56} + S_{57} + S_{58}}$$

$$\Delta s_t^* = \frac{3(S_t - S_{t-1})}{S_t + S_{t-1} + S_{t-2}}$$

$$s_{t+4}^t = \frac{S_{t+4}^t - S_t}{S_t}$$

$$s_{t+1,4}^t = \frac{S_{t+4}^t - S_{t+1}^t}{S_{t+1}^t}$$
 and

## Description

Implicit short-run realizations in millions of 1954 dollars

Sales anticipated for the year t at the end of the year t-1, in millions of 1954 dollars

Short-run sales expectations = expected percent change in physical volume of sales from McGraw-Hill survey, converted to pure decimal

Sales anticipated for the year t + 1 at the end of the year t in millions of 1954 dollars

Relative sales change ratio, price-deflated, 1956-1958 denominator

Relative sales change ratio, price-deflated, previous three year denominator

Long-run expected sales change over four years, from McGraw-Hill surveys of 1952 to 1955 = expected percent change in the physical volume of sales over four years, converted to pure decimal

Long-run expected sales change over three years, from McGraw-Hill surveys of 1956 to 1968 = expected percent change in the physi-

$$s_{t-3,t}^{t-4} = \frac{S_t^{t-4} - S_{t-3}^{t-4}}{S_{t-3}^{t-4}}$$

$$s_t^{g3} = \frac{S_t - S_{t-3}}{S_{t-3}} - s_{t-3,t}^{t-4}$$

$$s_t^{g4} = \frac{S_t - S_{t-4}}{S_{t-4}} - s_t^{t-4}$$

$$s_{t}^{g4'} = \frac{S_{t}}{S_{t-4}} - (1 + s_{t-3}^{t-4}) (1 + s_{t-3,t}^{t-4})$$

$$s_t^s = \frac{S_t - S_{t-1}}{S_{t-1}} - s_t^{t-1}$$

$$\tilde{s}^t = (1 + s^t_{t+1})^{\frac{1}{3}} - 1$$

 $s = (1 \cdot s_{t+1,4})$ 

T

u<sup>a</sup>

 $u^p$ 

 $u_t^c = u_t^a/u_t^p$ 

 $V_t = B_t + F_t$ 

$$\Delta v_t = \frac{V_t - V_{t-1}}{V_{t-1}}$$

Description

cal volume of sales over three years, beginning one year ahead, converted to pure decimal

Long-run sales realizations over three years, ratio, t = 1960 to 1968

Long-run sales realizations over four years, ratios, t = 1956 to 1959

Long-run sales realizations over four years, synthesized, ratios, t = 1960 to 1968

Short-run sales realizations, ratios

Average long-run sales change expectations at annual rates, 1956-1968

Time trend integer beginning with zero for first year of dependent variable

utilization of ca-

Actual

pacity

Preferred utilization of capacity

Ratio of actual to preferred rate of utilization of capacity

Market value of firm = sum of end of year bonded indebtedness and market value of common and preferred stock

Relative change in market value of firm