

# ON THE THEORETICAL RELATIONSHIP BETWEEN SYSTEMATIC RISK AND PRICE ELASTICITY OF DEMAND

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## Abstract

The linkage between financial valuation and the product and factor markets faced by the firm is an area that is rapidly developing in the literature. The purpose of this paper is to demonstrate the theoretical bridge between systematic risk and price elasticity of demand for a firm's output. The primary theoretical result indicates that price elasticity of demand, the certainty equivalents of the random demand parameter and variable cost, and their respective covariances with the cash flow of the market portfolio are key determinants of systematic risk and thus a firm's cost of capital.

## References

Beaver, W., P. Kettler and M. Scholes (1970), "The Association Between Market Determined and Accounting Determined Risk Measures", *The Accounting Review (October 1970)*, pp. 654-683.

[Web of Science®](#) | [Google Scholar](#)

Booth, L. (1980), "Stochastic Demand, Output and the Cost of Equity Capital", *Journal of Finance (June 1980)*, pp. 795-798.

[Web of Science®](#) | [Google Scholar](#)

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Bowman, R. (1979), "The Theoretical Relationship Between Systematic Risk and Financial (Accounting) Variables", *Journal of Finance* (June 1979), pp. 617-630.

[Web of Science®](#) [Google Scholar](#)

Conine, T. (1982), "On the Theoretical Relationship Between Business Risk and Systematic Risk", *Journal of Business Finance and Accounting* (Summer 1982), pp. 199-205.

[Google Scholar](#)

Curley, A., Hexter, J. and Chio, D. (1982), "The Cost of Capital and Market Power of Firms: A Comment", *The Review of Economics and Statistics* (August 1982), pp. 519-523.

[Google Scholar](#)

Dhrymes, P. (1964), "On the Theory of the Monopolistic Multiproduct Firm Under Uncertainty", *International Economic Review* (September 1964), pp. 239-257.

[Web of Science®](#) [Google Scholar](#)

Fama, E. (1972), "Perfect Competition and Optimal Production Decisions Under Uncertainty", *Bell Journal of Economics* (Autumn 1972).

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Flannery, M. (1970), "Risk Efficient Monopoly Pricing for the Multiproduct Firm: Comment", *Quarterly Journal of Economics* (November 1979), pp. 737-740.

[Google Scholar](#)

Greenberg, E., Marshall, W. and Yawitz, J. (1978), "The Technology of Risk and Return", *American Economic Review* (June 1978), pp. 241-251.

[Google Scholar](#)

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James, C. (1981), "The Technology of Risk and Return: Comment", *American Economic Review (June 1981)*, pp. 485-490.

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---

Lin, W. (1979), "Capital and Labor Market Equilibrium with Stochastically Varying Price Level and Wages", *Journal of Economics and Business (Fall 1979)*, pp. 30-39.

[Google Scholar](#) 

---

Lintner, J. (1965), "The Valuation of Risk Assets and the Selection of Risky Investments in Stock Portfolios and Capital Budgets", *Review of Economics and Statistics (February 1965)*, pp. 340-345.

[Google Scholar](#) 

---

Long, M. and Racette, G. (1974), "Stochastic Demand, Output and the Cost of Capital", *Journal of Finance (May 1974)*, pp. 499-506.

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---

Melicher, R.W. (1974), "Financial Factors Which Influence Beta Variations Within a Homogeneous Industry Environment", *Journal of Financial and Quantitative Analysis (March 1974)*, pp. 231-241.

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---

Meyer, R. (1976), "Risk Efficient Monopoly Pricing for the Multiproduct Firm", *Quarterly Journal of Economics (August 1976)*, pp. 461-474.

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---

Modigliani, F. and Miller, M. (1961), "Dividend Policy, Growth and the Valuation of Shares", *The Journal of Business (October 1961)*, pp. 411-433.

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Rosenberg, B. and W. McKibben (1973), "The Prediction of Systematic and Specific Risk in Common Stock", *Journal of Financial and Quantitative Analysis (March 1973)*, pp. 317-334.

[Web of Science®](#) | [Google Scholar](#)

Sharpe, W. (1964), "Capital Asset Prices: A Theory of Market Equilibrium Under Conditions of Risk", *Journal of Finance (September 1964)*, pp. 425-442.

[Web of Science®](#) | [Google Scholar](#)

Subrahmanyam, M. and Thomadakis, S. (1980), "Systematic Risk and the Theory of the Firm", *The Quarterly Journal of Economics (May 1980)*, pp. 438-451.

[Google Scholar](#)

Sullivan, T. (1974), "Market Power, Profitability and Financial Leverage", *Journal of Finance (December 1974)*, pp. 1407-1414.

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Sullivan, T. (1977), "A Note on Market Power and Return to Stockholders", *Review of Economics and Statistics (February 1977)*, pp. 108-113.

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Sullivan, T. (1978), "The Cost of Capital and the Market Power of Firms", *The Review of Economics and Statistics (May 1978)*, pp. 209-217.

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Sullivan, T. (1982), "The Cost of Capital and Market Power of Firms: Reply and Correction", *The Review of Economics and Statistics (August 1982)*, pp. 523-525.

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[Google Scholar](#) 

Weiss, L. (1974), " The Concentration-Profits Relationship and Antitrust", H.J. Goldschmid, *et al. Industrial Concentration: The New Learning* (Little Brown and Co., Boston , 1974), pp. 187–233.

[Google Scholar](#) 

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