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Article

What is the Intrinsic Value of the Dow?

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Abstract

We model the time-series relation between price and intrinsic value as a cointegrated system, so that price and value are long-term convergent. In this framework, we compare the performance of alternative estimates of intrinsic value for the Dow 30 stocks. During 1963–1996, traditional market multiples (e.g., B/P, E/P, and D/P ratios) have little predictive power. However, a V/P ratio, where V is based on a residual income valuation model, has statistically reliable predictive power. Further analysis shows time-varying interest rates and analyst forecasts are important to the success of V. Alternative forecast horizons and risk premia are less important.

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REFERENCES

Abarbanell, Jeffrey, and Victor Bernard, 1995, Is the U.S. stock market myopic?, Working paper, University of Michigan.

Google Scholar

Bernard, Victor L., 1994, Accounting-based valuation methods, determinants of book-to-market ratios, and implications for financial statement analysis, Working paper, University of Michigan.

Google Scholar

Botosan, Christine, 1997, The effect of disclosure level on the cost of equity, *Accounting Review* 72, 323–350.

Web of Science® Google Scholar

Campbell, John Y., 1993, Why long horizons? A study of power against persistent alternatives, Working paper, NBER and Princeton University.

Google Scholar

Campbell, John Y., and Robert J. Shiller, 1988, The dividend price ratio and expectations of future dividends and discount factors, *Review of Financial Studies* 1, 195–228.

Carmel, Jonathan Paul, and Martin R. Young, 1997, Long norrzon mean reversion In the stock market: The postwar years, Working paper, University of Michigan. **Google Scholar** DeBondt, Werner F. M., and Richard M. Thaler, 1987, Further evidence on investor overreaction and stock market seasonality, Journal of Finance 42, 557–581. Web of Science® Google Scholar Dechow, Patricia, Amy Hutton, and Richard Sloan, 1997, An empirical assessment of the residual income valuation model, Working paper, University of Michigan and Harvard University. **Google Scholar** DeLong, J. Bradford, Andrei Shleifer, Lawrence H. Summers, and Robert J. Waldmann, 1990, Noise trader risk in financial markets, Journal of Political Economy 98, 703–738. Web of Science® Google Scholar Duffee, Gregory R., 1996, Idiosyncratic variation of Treasury bill yields, *Journal of Finance* 51, 527–551. Web of Science® Google Scholar Edwards, Edgar O., and Philip W. Bell, 1961, The Theory and Measurement of Business Income (University of California Press, Berkeley). **Google Scholar** Fairfield, Patricia, Richard J. Sweeney, and Teri L. Yohn, 1996, Accounting classification and the predictive content of earnings, Accounting Review 71, 337-356. Web of Science® Google Scholar Fama, Eugene F., and Kenneth R. French, 1988a, Dividend yields and expected stock returns, Journal of Financial Economics 22, 3-25. Web of Science® Google Scholar Fama, Eugene F., and Kenneth R. French, 1988b, Permanent and temporary components of stock prices, Journal of Political Economy 96, 246–273.

Fama, Eugene F., and Kenneth R. French, 1989, Business conditions and expected returns on stocks and bonds, *Journal of Financial Economics* **25**, 23–50.

Web of Science® Google Scholar

Fama, Eugene F., and Kenneth R. French, 1997, Industry costs of equity, *Journal of Financial Economics* **43**, 153–193.

Web of Science® Google Scholar

Feltham, Gerald A., and James A. Ohlson, 1995, Valuation and clean surplus accounting for operating and financial activities, *Contemporary Accounting Research* **11**, 689–731.

Google Scholar

Frankel, Richard, and Charles M. C. Lee, 1997, Accounting diversity and international valuation, Working paper, University of Michigan and Cornell University.

Google Scholar

Frankel, Richard, and Charles M. C. Lee, 1998, Accounting valuation, market expectation, and cross-sectional stock returns, *Journal of Accounting and Economics* **25**, 283–319.

Web of Science® Google Scholar

Hamilton, James T., 1994, *Time Series Analysis* (Princeton University Press, Princeton, N.J.).

Google Scholar

Hansen, Lars P., 1982, Large sample properties of generalized method of moments estimators, *Econometrica* **50**, 1029–1054.

CASWeb of Science®Google Scholar

Hansen, Lars P., and Robert J. Hodrick, 1980, Forward exchange rates as optimal predictors of future spot rates: An econometric analysis, *Journal of Political Economy* **88**, 829–853.

Web of Science® Google Scholar

Hodrick, Robert J., 1992, Dividend yields and expected stock returns: Alternative procedures for inference and measurement, *Review of Financial Studies* **5**, 357–386.

Web of Science® Google Scholar

Kaplan, Steve, and Richard Ruback, 1995, The valuation of cash flow forecasts: An empirical analysis, *Journal of Finance* **50**, 1059–1093.

Web of Science® Google Scholar

Kothari, S.P., and Jay Shanken, 1997, Book-to-market, dividend yield, and expected market returns: A timeseries analysis, *Journal of Financial Economics* 44, 169–203.

Web of Science® Google Scholar

Lakonishok, Josef, Andrei Shleifer, and Robert W. Vishny, 1994, Contrarian investment, extrapolation and risk, *Journal of Finance* **49**, 1541–1578.

Web of Science® Google Scholar

Lee, Charles M.C., 1996, Measuring wealth, CA Magazine 129, 32–37.

Google Scholar

Lee, Charles M.C., Andrei Shleifer, and Richard H. Thaler, 1991, Investor sentiment and the closed-end fund puzzle, *Journal of Finance* 46, 75–109.

Web of Science® Google Scholar

Macbeth, James D., and David C. Emanuel, 1993, Tactical asset allocation: Pros and cons, *Financial Analysts Journal* **49**, 30–43.

Google Scholar

Nelson, Charles R., and Myung J. Kim, 1993, Predictable stock returns: The role of small sample bias, *Journal of Finance* **48**, 641–661.

Web of Science® Google Scholar

Newey, Whitney K., and Kenneth D. West, 1987, A simple, positive semi-definite, heteroske-dasticity and autocorrelation consistent covariance matrix, *Econometrica* **55**, 703–708.

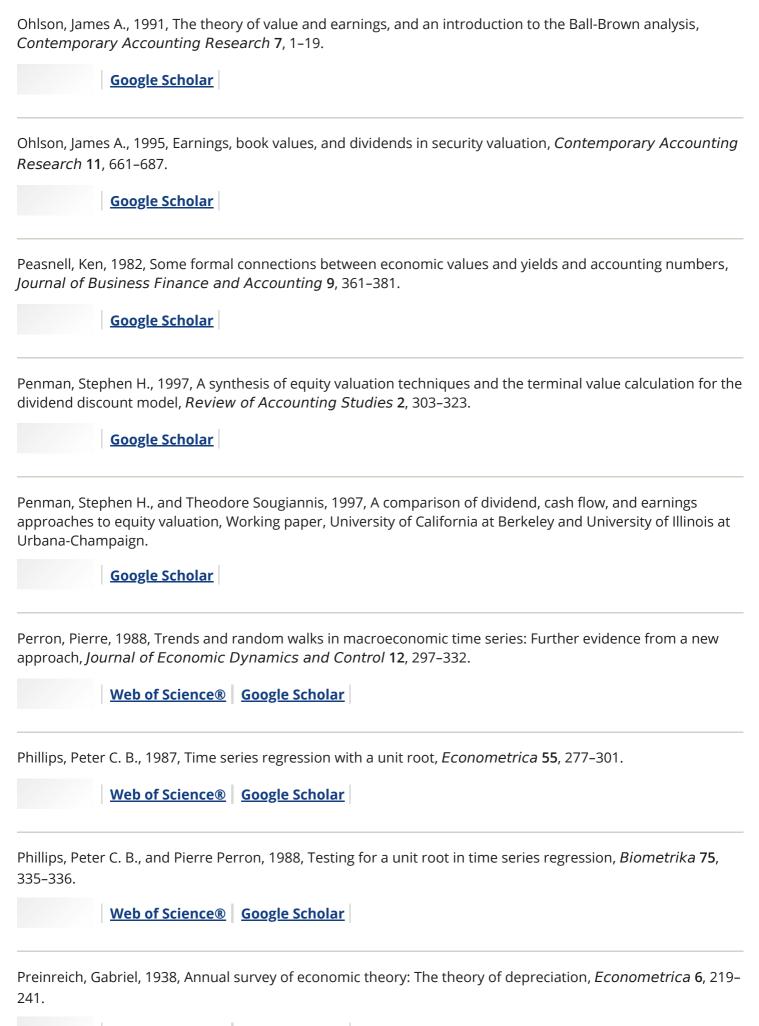
Web of Science® Google Scholar

Noreen, Eric, 1989, *Computer-Intensive Methods for Testing Hypotheses: An Introduction* (John Wiley and Sons, New York).

Google Scholar

Ohlson, James A., 1990, A synthesis of security valuation theory and the role of dividends, cash flows, and earnings, *Contemporary Accounting Research* **6**, 648–676.

Google Scholar



Richardson, Matthew, and Tom Smith, 1991, Tests of financial models in the presence of overlapping observations, *Review of Financial Studies* **4**, 227–254.

Web of Science® Google Scholar

Richardson, Matthew, and James H. Stock, 1989, Drawing inferences from statistics based on multi-year asset returns, *Journal of Financial Economics* **25**, 323–348.

Web of Science® Google Scholar

Rozeff, Michael, 1984, Dividend yields are equity risk premiums, *Journal of Portfolio Management* 11, 68–75.

Web of Science® Google Scholar

Shiller, Robert J., 1984, Stock prices and social dynamics, *The Brooking Papers on Economic Activity* **2**, 457–510.

Google Scholar

Shleifer, Andrei, and Robert W. Vishny, 1997, The limits of arbitrage, Journal of Finance 52, 35–55.

Web of Science®Google Scholar

Stambaugh, Robert F., 1986, Bias in regressions with lagged stochastic regressors, Working paper, University of Chicago.

Google Scholar

Stewart, G. Bennett, 1991, The Quest for Value (Harper-Collins, New York).

Google Scholar

Summers, Lawrence, 1986, Does the stock market rationally reflect fundamental values?, *Journal of Finance* **41**, 591–602.

Web of Science® Google Scholar

Swaminathan, Bhaskaran, 1996, Time-varying expected small firm returns and closed-end fund discounts, *Review of Financial Studies* 9, 845–887.

Web of Science® Google Scholar

Wang, J., 1993, A model of intertemporal asset prices under asymmetric information, *Review of Economic Studies* **60**, 249–282.

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