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## Abstract

A persistent (but over) announcement return surprise are often in this study provides returns at the earnings announcement date. Using the most recent Institutional Brokers' Estimate System (I/B/E/S) consensus earnings per share forecast as the earnings benchmark, the authors find that contrarian returns occur for roughly 40% of the more than 230,000 quarterly earnings announcements that comprise their sample. Contrarian returns are only slightly less prevalent in extreme earnings surprise deciles and are evident each quarter during 1985-2005. The incidence of contrarian returns is statistically related to "noise" in the measured earnings surprise (stale I/B/E/S consensus forecasts, preannouncement stock returns, and the presence of Generally Accepted Accounting Principles [GAAP] exclusions) and "noise" in the share price response to announced earnings (discordant revenue changes, discordant earnings forecast revisions, return volatility, bid-ask spread, and discordant prior quarter earnings surprises). Finally, contrarian stocks exhibit little post-earnings-announcement drift.



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## Appendices

## Appendix Variable Definitions

Variable	Description
Earnings Surprise ( <i>ES</i> )	“Unadjusted actual” EPS from I/B/E/S minus the last I/B/E/S consensus EPS forecast issued before the quarterly earnings announcement date, scaled by closing share price 3 days before the earnings announcement date
Size-adjusted buy-and-hold abnormal returns ( <i>BHAR</i> )	Buy-and-hold returns of the firm minus buy-and-hold returns for a value-weighted portfolio of firms in the same NYSE/AMEX/NASDAQ size decile. Returns are accumulated over a 3-day window (Day $-1$ to $+1$ ) to obtain <i>BHAR</i> , where trading Day 0 is the Compustat quarterly earnings announcement date
<i>OPPOSITE</i>	1 if the quarterly earnings surprise ( <i>ES</i> ) and its announcement period return ( <i>BHAR</i> ) are of the opposite signs; 0 otherwise. For zero earnings surprises, <i>OPPOSITE</i> equals 1 when <i>BHAR</i> is positive
IBES Exclusions ( <i>I_EXCL</i> )	1 if current quarter <i>EXCL</i> and <i>ES</i> are of the same signs, 0 otherwise; where I/B/E/S Exclusions ( <i>EXCL</i> ) is defined as the unadjusted I/B/E/S actual quarterly EPS less GAAP quarterly EPS, scaled by closing share price 3 days prior to the earnings announcement date. Basic or diluted EPS is determined by the I/B/E/S flag. <i>EXCL</i> is positive when IBES actual EPS excludes nonrecurring expenses and negative when nonrecurring gains are excluded.
Timely Earnings Surprise ( <i>I_TES</i> )	1 if current quarter <i>TES</i> and <i>ES</i> are of the opposite signs, 0 otherwise; <i>TES</i> is the I/B/E/S unadjusted actual EPS minus the average of the most recent timely individual I/B/E/S analyst EPS forecasts issued before the quarterly earnings announcement date, scaled by closing share price 3 days before the earnings announcement date. A forecast is timely if it is issued 30 days before the earnings announcement date. If no forecasts are issued within 30 days before the earnings announcement date then the single most recent forecast is used. For zero earnings surprise firm/quarters, <i>I_TES</i> equals 1 when <i>TES</i> is positive
Forecast Dispersion ( <i>DISP</i> )	Standard deviation of analysts’ EPS forecasts from I/B/E/S summary file. Forecast dispersion is set to 0 when only one analyst covers the firm
Number of Analysts ( <i>NUMEST</i> )	Number of estimates comprising the I/B/E/S consensus
Preannouncement Return ( <i>PRE_RET</i> )	Cumulative size-adjusted abnormal return for the 15 trading days before Day $-1$

Variable	Description
Revenue Surprise ( $I\_RS$ )	1 if current quarter RS and $ES$ are of the opposite signs, 0 otherwise. RS is current quarter sales minus sales from same quarter prior year, scaled by equity market value at the beginning of the quarter. For zero earnings surprise firm/quarters, $I\_RS$ equals 1 when RS is positive
Short-horizon Revision ( $I\_SREV$ )	1 if current quarter SREV and $ES$ are of the opposite signs, 0 otherwise. SREV for quarter $t$ is the first I/B/E/S consensus EPS forecast for quarter $t + 1$ issued after the quarter $t$ earnings announcement minus the last consensus forecast for quarter $t + 1$ issued before the quarter $t$ earnings announcement, scaled by closing share price 3 days before the earnings announcement date. For zero earnings surprise firm/quarters, $I\_SREV$ equals 1 when SREV is positive
Long-horizon Revision ( $I\_LREV$ )	1 if current quarter LREV and $ES$ are of the opposite signs, 0 otherwise. LREV for quarter $t$ is defined as first I/B/E/S consensus annual EPS forecast for current and/or next fiscal year issued after quarter $t$ earnings announcement minus the last consensus annual forecast issued before the quarter $t$ earnings announcement, scaled by closing share price 3 days before the earnings announcement date. We remove SREV from LREV when fiscal periods overlap. The lagged annual EPS forecast is adjusted for the quarter $t$ consensus EPS forecast error when the LREV forecast horizon is the current fiscal year. For zero earnings surprise firm/quarters, $I\_LREV$ equals 1 when LREV is positive
Return Volatility ( $BHAR\_VOL$ )	Standard deviation of daily size-adjusted abnormal returns for the 60 trading days before Day $-1$
Percentage Bid-Ask Spread (Spread)	Average of the daily bid-ask spread (as a percentage of the daily closing price) over the period of 60 trading days before Day $-1$
Lagged Surprise ( $I\_LAGES$ )	1 if prior quarter $ES$ and current quarter $ES$ are of the opposite signs, 0 otherwise. For zero earnings surprise firm/quarters, $I\_LAGES$ equals 1 when prior quarter $ES$ is positive

## References

Abarbanell J., Lehavy R. (2002, June). *Differences in commercial database reported earnings: Implications for empirical research* (Working paper). Chapel Hill: University of North Carolina.

[Google Scholar](#)

Affleck-Graves J., Callahan C., Chipalkatti N. (2002). Earnings predictability, information asymmetry, and market liquidity. *Journal of Accounting Research*, 40, 561-583.

[Crossref](#)

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[Web of Science](#)

[Google Scholar](#)

Ali A., Klein A., Rosenfeld J. (1992). Analysts' use of information about permanent and transitory earnings components in forecasting annual EPS. *Accounting Review*, 67, 183-198.

[Web of Science](#)

[Google Scholar](#)

Amihud Y. (2002). Illiquidity and stock returns: Cross-section and time-series effects. *Journal of Financial Markets*, 5, 31-56.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Anilowski C., Feng M., Skinner D. (2007). Does earnings guidance affect market returns? The nature and information content of aggregate earnings guidance. *Journal of Accounting and Economics*, 44, 36-63.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Baber W., Kang S. (2002). The impact of split adjusting and rounding on analysts' forecast error calculations. *Accounting Horizons*, 16, 277-289.

[Crossref](#)

[Google Scholar](#)

Ball R. (1992). The earnings-price anomaly. *Journal of Accounting and Economics*, 15, 319-345.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Ball R., Bartov E. (1996). How naïve is the stock market's use of earnings information? *Journal of Accounting and Economics*, 21, 319-337.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Barber B., Lyon J. (1997). Detecting long-run abnormal stock returns: The empirical power and specification of test statistics. *Journal of Financial Economics*, 43, 341-372.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Barth M., Elliott J., Finn M. (1999). Market rewards associated with patterns of increasing earnings. *Journal of Accounting Research*, 37, 387-413.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Bartov E., Givoly D., Hayn C. (2002). The rewards to meeting or beating earnings expectations. *Journal of Accounting and Economics*, 33, 173-204.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Berkman H., Truong C. (2009). Event Day 0? After-hours earnings announcements. *Journal of Accounting Research*, 47, 71-103.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Bernard V., Thomas J. (1989). Post-earnings-announcement drift: Delayed price response or risk premium? *Journal of Accounting Research*, 27(Suppl.), 1-36.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Bernard V., Thomas J. (1990). Evidence that stock prices do not fully reflect the implications of current earnings for future earnings. *Journal of Accounting and Economics*, 13, 305-340.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Beyer A., Cohen D., Lys T., Walther B. (2010). The financial reporting environment: Review of the recent literature. *Journal of Accounting and Economics*, 50, 296-343.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Brandt M., Kishore R., Santa-Clara P., Venkatachalam M. (2008, January). *Earnings announcements are full of surprises* (Working paper). Durham, NC: Duke University.

[Google Scholar](#)

Brown L. (1991). Forecast selection when all forecasts are not equally recent. *International Journal of Forecasting*, 7, 349-356.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Brown L. (2001). A temporal analysis of earnings surprises: Profits versus losses. *Journal of Accounting Research*, 39, 221-241.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Brown L., Caylor M. (2005). A temporal analysis of quarterly earnings thresholds: Propensities and valuation consequences. *Accounting Review*, 80, 423-440.

[Crossref](#)

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[Google Scholar](#)

Brown P., Foster G., Noreen E. (1985). *Security analyst multi-year earnings forecasts and the capital market*. Sarasota, FL: American Accounting Association.

[Google Scholar](#)

Bushee B., Ready J. (2006, April). *Factors affecting the implementability of stock market trading strategies* (Working paper). Philadelphia: University of Pennsylvania.

[Google Scholar](#)

Chordia T., Goyal A., Sadka G., Sadka R., Shivakumar L. (2009). Liquidity and the post-earnings-announcement drift. *Financial Analysts Journal*, 65, 18-32.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Cornell B., Landsman W. (1989). Security price response to quarterly earnings announcements and analysts forecast revisions. *Accounting Review*, 64, 680-692.

[Web of Science](#)

[Google Scholar](#)

Doyle J., Lundholm R., Soliman M. (2003). The predictive value of expenses excluded from pro forma earnings. *Review of Accounting Studies*, 8, 145-174.

[Crossref](#)

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[Google Scholar](#)

Doyle J., Lundholm R., Soliman M. (2006). The extreme future stock returns following I/B/E/S earnings surprises. *Journal of Accounting Research*, 44, 849-887.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

D'Souza J., Ramesh K., Shen M. (2010). Disclosure of GAAP line items in earnings announcements. *Review of Accounting Studies*, 15, 179-219.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Ertimur Y., Livnat J., Martikainen M. (2003). Differential market reactions to revenue and expenses surprises. *Review of Accounting Studies*, 8, 185-211.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Fama E. (1998). Market efficiency, long-term returns, and behavioral finance. *Journal of Financial Economics*, 49, 283-306.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Francis J., Schipper K., Vincent L. (2002). Expanded disclosures and the increased usefulness of earnings announcements. *Accounting Review*, 77, 515-546.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Freeman R., Tse S. (1992). A nonlinear model of security price responses to unexpected earnings. *Journal of Accounting Research*, 30, 185-209.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Graham J., Harvey C., Rajgopal S. (2005). The economic implications of corporate financial reporting. *Journal of Accounting and Economics*, 40, 3-73.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Henry E. (2006). Market reaction to verbal components of earnings press releases: Event study using a predictive algorithm. *Journal of Emerging Technologies in Accounting*, 3, 1-19.

[Crossref](#)

[Google Scholar](#)

Hillegeist S., Keating E., Cram D., Lundstedt K. (2004). Assessing the probability of bankruptcy. *Review of Accounting Studies*, 9, 5-34.



[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Hirst E., Koonce L., Venkataraman S. (2008). Management earnings forecasts: A review and framework. *Accounting Horizons*, 22, 315-338.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Hoskin R., Hughes J., Ricks W. (1986). Evidence on the incremental information content of additional firm disclosures made concurrently with earnings. *Journal of Accounting Research*, 24(Suppl.), 1-32.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Jegadeesh N., Livnat J. (2006). Revenue surprises and stock returns. *Journal of Accounting and Economics*, 41, 147-171.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Kasznik R., McNichols M. (2002). Does meeting earnings expectations matter? Evidence from analyst forecast revisions and share prices. *Journal of Accounting Research*, 40, 727-759.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Kinney W., Burgstahler D., Martin R. (2002). Earnings surprise “materiality” as measured by stock returns. *Journal of Accounting Research*, 40, 1297-1329.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Kothari S.P. (2001). Capital markets research in accounting. *Journal of Accounting and Economics*, 31, 105-231.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Kothari S. P., Li X., Short J. (2009). The effect of disclosures by management, analysts, and business press on cost of capital, return volatility, and analyst forecasts: A study using content analysis. *Accounting Review*, 84, 1639-1670.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Lev B. (1989). On the usefulness of earnings and earnings research: Lessons and directions from two decades of empirical research. *Journal of Accounting Research*, 27(Suppl.), 153-192.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Li F. (2010). The information content of the forward-looking statements in corporate filings—A naïve Bayesian machine learning approach. *Journal of Accounting Research*, 48, 1049-1102.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Long J. (1997). *Regression models for categorical and limited dependent variables*. London, England: SAGE.

[Google Scholar](#)

Lys T., Sohn S. (1990). The association between revisions of financial analysts' earnings forecasts and security-price changes. *Journal of Accounting and Economics*, 13, 341-363.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Matsumoto D. (2002). Management's incentives to avoid negative earnings surprises. *Accounting Review*, 77, 483-514.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Payne J., Thomas W. (2003). The implications of using stock-split adjusted I/B/E/S data in empirical research. *Accounting Review*, 78, 1049-1067.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Rogers J., Van Buskirk A., Zechman S. (2011, May). *Disclosure tone and shareholder litigation* (Working paper). Chicago, IL: University of Chicago.

[Google Scholar](#)

Shumway T. (1997). The delisting bias in CRSP data. *Journal of Finance*, 52, 327-340.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Shumway T., Warther V. (1999). The delisting bias in CRSP's NASDAQ data and its implications for the size effect. *Journal of Finance*, 54, 2361-2379.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Skinner D., Sloan R. (2002). Earnings surprises, growth expectations, and stock returns or don't let an earnings Torpedo sink your portfolio. *Review of Accounting Studies*, 7, 289-312.

[Crossref](#)

[Google Scholar](#)

Soffer L., Thiagarajan R., Walther B. (2000). Earnings preannouncement strategies. *Review of Accounting Studies*, 5, 5-26.

[Crossref](#)

[Google Scholar](#)

[Google Scholar](#)

Stickel S. (1993). Accuracy improvements from a consensus of updated individual analyst earnings forecasts. *International Journal of Forecasting*, 9, 345-353.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Thompson R., Olsen C., Dietrich J.R. (1987). Attributes of news about firms: An analysis of firm-specific news reported in the Wall Street Journal Index. *Journal of Accounting Research*, 25, 245-274.

[Crossref](#)

[Web of Science](#)

[Google Scholar](#)

Vuong Q. (1989). Likelihood ratio tests for model selection and nonnested hypotheses. *Econometrica*, 57, 307-333.

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