

REFERENCES

- Abarbanell, J., and B. Bushee. 1997. Fundamental Analysis, Future Earnings, and Stock Prices. Journal of Accounting Research 35 (1997): 1-24.
- Allen, D. E., and H. M. Salim. 2001. Forecasting Profitability and Earnings: A Study of the UK Stock Market (1982-2000). Working Paper. Edith Cowan University.
- Ball, R., and R. Watts. 1972. Some Time-Series Properties of Accounting Income. Journal of finance 27 (1972): 62-89.
- Bathke, Jr, A.W., and K.S. Lorek. 1984. The Relationship Between Time-Series Models and the Security Market's Expectation of Quarterly Earnings. Accounting Review 59: 163-176.
- Beaver, W.H. 1970. The Time Series Behavior of Earnings. Journal of Account Researching 1970: 62-89.
- Beaver, W.H., and D. Morse. 1978. What Determines Price-Earnings Ratios?. Financial Analyst Journal 34 (1978): 65-76.
- Benston, G., and R. Watts. 1978. The Role of Accounting Reports in Capital Markets. Working Paper. University of Rochester.
- Box, G. E. P., and G. M. Jenkins. 1970. Time Series Analysis: Forecasting and Control. San Francisco: Holden-Day, 1970.
- Brooks, L.D., and D.A. Buckmaster. 1976. Further Evidence of the Time Series Properties of Accounting Income. Journal of Finance 31(1976):1359-1373.
- Brown, Lawrence D. 1993. Earnings Forecasting Research: its implications for capital markets research. International Journal of Forecasting 9 (1993): 295-320.
- Brown, L., and M. Rozeff. 1979. Univariate Time-Series Models of Quarterly Accounting Earnings Per Share: A Proposed Model. Journal of Accounting Research 17 Spring: 179-189.
- Brown, P., Foster, G., and E. Noreen. 1985. Security Analyst Multi-Year Forecasts and the Capital Market. Studies in Accounting Research 21, American Accounting Association: Saratoga, FL.
- Chan, Louis K. C., Jason Karceski, and Josef Lakonishok. 2003. The Level and Persistence of Growth Rates. Journal of Finance 58 No. 2 (2003): 643-684.

- Collins, W.A., and W.S. Hopwood. 1980. A Multivariate Analysis of Annual Earnings Forecasts of Generated from Quarterly Forecasts of Financial Analysis and Univariate Time-Series Models. Journal of Accounting Research 18: 390-406.
- Collins, D.W., and S.P. Kothari. 1989. An Analysis of Intertemporal and Cross-Sectional Determinants of Earnings Response Coefficients. Journal of Accounting and Economics 11(1989):143-181.
- Fairfield, P.M., and T.L. Yohn. 2001. Using Asset Turnover and Profit Margin to Forecast Changes in Profitability. Review of Accounting Studies 6 (2001): 371-385.
- Fairfield, P.M., J.S. Whisenant, and T.L. Yohn. 2003. Accrued Earnings and Growth: Implications for Future Profitability and Market Mispricing. The Accounting Review 78 No. 1 (2003): 353-371.
- Fairfield, P., R. Sweeney, and T.Yohn. 1996. Accounting Classification and the Predictive Content of Earnings. The Accounting Review (July): 337-356.
- Fama, Eugene F., and Kenneth R. French. 1995. Size and Book-to-Market Factors in Earnings and Returns. The Journal of Finance 50 No.1 (1995): 131-155.
- Fama, Eugene F., and Kenneth R. French. 2000. Forecasting Profitability and Earnings. Journal of Business 73 No. 2 (2000): 161-175.
- Feltham, G., and J. Ohlson. 1995. Valuation and Clean Surplus Accounting for Operating and Financial Activities. Contemporary Accounting Research 11: 689-731.
- Foster, G. 1977. Quarterly Accounting Data: Time-Series Properties and Predictive Ability Results. The Accounting Review (January 1977): 1-21.
- Freeman, R.N., J.A. Ohlson, and S.H. Penman. 1982. Book Rate-of-Return and Prediction of Earnings Changes: An Empirical Investigation. Journal of Accounting Research 20(1982):639-653.
- Garrod, N., and W. Rees. 1999. Forecasting Earnings Growth Using Fundamentals. Working Paper, University of Glasgow.
- Griffen, P.A. 1977. The Time-Series Behavior of Quarterly Earnings: Preliminary Evidence. Journal of Accounting Research (Spring 1977): 71-83.
- Guenther, D.A., P. Shane, and D.P. Weber. 2004. Inferring Analysts' Information about Changes in Earnings Components. Working Paper, Leeds School of Business, University of Colorado at Boulder.

- Harris, Richard D.F. 1999. The Accuracy, Bias and Efficiency of Analysts' Long Run Earnings Growth Forecasts. Journal of Business Finance and Accounting 26 (1999): 725-755.
- Hopwood, W.S., J.C. McKeown, and P. Newbold. 1982. The Additional Information Content of Quarterly Earnings Reports: Intertemporal Disaggregation. Journal of Accounting Research 20: 343-349.
- Hussian, S. 1998. Lead Indicator Models and UK Analyst' Earnings Forecasts. Journal of Accounting and Business Research 28 No. 4:271-280.
- Kendall, C.S., and P. Zarowin. 1990. Time-Series Models of Annual Earnings, Earnings Persistence and Earnings Response Coefficients. Working Paper, New York University.
- Khwunjai Wichaiyut. Using Financial Information Predicting Rehabilitated Property Development Business Listed in the Stock Exchange of Thailand. A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Master of Accountancy Faculty of Commerce and Accountancy Chulalongkorn University (2003), (Thai Version).
- Kothari, S.P. 2001. Capital markets research in accounting. Journal of Accounting and Economics 31 (2001): 105-231.
- Lev, B. 1969. Industry Averages as Targets for Financial Ratios. Journal of Accounting Research 7 (1969): 290-299.
- Lev, B., and R. Thiagarajan. 1993. Fundamental Information Analysis. Journal of Accounting Research 31 (1993): 190-215.
- Lipe, R.C. 1986. The Information Contained in the Components of Earnings. Journal of Accounting Research 24(Supplement): 37-64.
- Little, I.M.D. 1962. Higgledy Piggledy Growth. Oxford Bulletin of Statistics 24 (1962): 387-412.
- Little, I.M.D., and A.C. Rayner. 1966. Higgledy Piggledy Growth Again. Oxford: Basil Blackwell.
- Lorek, K.S. 1979. Predicting Annual Net Earnings with Quarterly Earnings Time-Series Models. Journal of Accounting Research 17: 190-204.
- Nissim, D., and S.H. Penman. 2001. Ratio Analysis and Equity Valuation: from Research to Practice. Review of Accounting Studies 6: 109-154.
- Nuchanat Kulkattimas. The Effect of Earnings Surprise Toward Stock Return Surrounding Announcement Date. A Thesis Submitted in Partial Fulfillment of the Requirements for

- the Degree of Master of Science in Finance Department of Banking and Finance Faculty of Commerce and Accountancy Chulalongkorn University (2000), (Thai Version).
- Ohlson, J. 1995. Earnings, Book Values, and Dividends in Equity Valuation. Contemporary Accounting Research 11: 661-687.
- Ohlson, J., and B. Juettner-Nauroth. 2000. Expected EPS and EPS Growth as Determinants of Value. Working paper. New York University.
- Ou, J. 1990. The Information Content of Nonearnings Accounting Numbers as Earnings Predictions. Journal of Accounting Research (Spring): 144-163.
- Ou, J.A., and S.H. Penman. 1989a. Financial Statement Analysis and the Prediction of Stock Returns. Journal of Accounting and Economics 11: 295-329.
- Ou, J.A., and S.H. Penman. 1989b. Accounting Measurement, Price-Earnings Ratio, and the Informaiton Content of Security Prices. Journal of Accounting Research 27 Suppl.: 111-152.
- Penman, Stephen H. 1992b. Financial Statement Information and the Pricing of Earaings Changes. Accounting Review 67: 563-577.
- Penman, Stephen H. 1996. The Articulation of Price-Earnings Ratios and Market-to-Book Ratios and the Evaluation of Growth. Journal of Accounting Research 34 No. 2 (1996): 235-259.
- Penman, Stephen H., and X. Zhang. 2002. Modeling Sustainable Earnings and P/E Ratios Using Financial Statement Information. Working Paper. Columbia University and University of California-Berkeley.
- Ramakrishnan, R. and J. Thomas. 1992. What Matters from the Past: Market Value, Book Value, or Earnings? Earnings Valuation and Sufficient Statistics for Prior Information. Journal of Accounting, Auditing and Finance 7(1992):423-464.
- Ramanathan, R. 2002. Introductory Econometrics with Applications. Fifth Edition. Harcourt College Publisher.
- Salamon, G. and E. Smith. 1977. Additional Evidence on the Time Series Properties of Reported Earnings per Share: Comment . The Journal of Finance 32: 1795-1801.
- Sommers, G. 2001. Ph.D. Dissertation. Ohio State University.
- Stigler, G.J. 1963. Capital and Rate of Return in Manufacturing Industry. Princeton University Press.

- Sudaporn Sirikanant. Dividend Changes and Future Profitability of the Firm Before and After Economic Crisis in 1997. A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Master of Science in Finance Department of Banking and Finance Faculty of Commerce and Accountancy Chulalongkorn University (2002), (Thai Version).
- Theeraya Awatchanakan. Predicting Stock Market Return by Lagged Returns of Industry Based Portfolios. A Thesis Submitted in Partial Fulfillment of the Requirements for the Degree of Master of Science in Finance Department of Banking and Finance Faculty of Commerce and Accountancy Chulalongkorn University (2001), (Thai Version).
- Watts, R. 1975. The Time Series Behavior of Quarterly Earnings. Working Paper. University of New Castle.
- White, G.I., A.C. Sondhi, and D. Fried. 1998. The Analysis and Use of Financial Statements. John Wiley and Sons, Inc.
- Zhang, Wei. 2004. Neural Network Earnings Per Share Forecasting Models: A Comparative Analysis of Alternative Methods. Working Paper, Clarkson University.

Appendix

Appendix A.

Listed Company with the average export ratio more than 10 percent throughout the period

Name	Symbol	Average Export Ratio
ADVANCE AGRO PUBLIC CO., LTD.	AA	29.60
A. J. PLAST PUBLIC CO., LTD.	AJ	29.20
ALUCON PUBLIC CO., LTD.	ALUCON	53.60
ASIAN SEAFOODS COLDSTORAGE PUBLIC COMPANY LIMITED	ASIAN	97.00
THAI STORAGE BATTERY PUBLIC CO., LTD.	BAT-3K	51.60
SEAFRESH INDUSTRY PUBLIC CO., LTD.	CFRESH	98.60
KIANG HUAT SEAGULL TRADING FROZEN FOOD PCL.	CHOTI	98.60
CHIANGMAI FROZEN FOODS PUBLIC CO., LTD.	CM	95.60
C. P. L. GROUP PUBLIC CO., LTD.	CPL	48.60
DELTA ELECTRONICS (THAILAND) PUBLIC CO., LTD.	DELTA	73.00
FOOD AND DRINKS PUBLIC CO., LTD.	F&D	94.20
FANCY WOOD INDUSTRIES PUBLIC CO., LTD.	FANCY	98.00
GOODYEAR (THAILAND) PUBLIC CO., LTD.	GYT	33.80
HANA MICROELECTRONICS (PUBLIC) CO., LTD.	HANA	50.00
HANTEX PUBLIC CO., LTD.	HTX	35.40
KCE ELECTRONICS PUBLIC CO., LTD.	KCE	96.00
WIJK & HOEGLUNG PUBLIC CO., LTD.	KWH	17.60
KANG YONG ELECTRIC PUBLIC CO., LTD.	KYE	57.00
LUCKYTEX (THAILAND) PUBLIC CO., LTD.	LTX	72.80
OCEAN GLASS PUBLIC CO., LTD.	OGC	63.40
PAN ASIA FOOTWEAR PUBLIC CO., LTD.	PAF	95.00
PADAENG INDUSTRY PUBLIC CO., LTD.	PDI	30.00
PEOPLE'S GARMENT PUBLIC CO., LTD.	PG	21.40
PRANDA JEWELRY PUBLIC CO., LTD.	PRANDA	76.00
S & P SYNDICATE PUBLIC CO., LTD.	S&P	14.40
SIAM FOOD PRODUCTS PUBLIC CO., LTD.	SFP	97.80
SEA HORSE PUBLIC COMPANY LIMITED	SH	95.00
SAHAMITR PRESSURE CONTAINER PCL.	SMPC	63.60
SIAM PAN GROUP PUBLIC CO., LTD.	SPG	32.80
SURAPON FOODS PUBLIC CO., LTD.	SSF	86.20
STP & I PUBLIC CO.,LTD.	STPI	55.20
SAHA-UNION PUBLIC CO., LTD.	SUC	58.00
SUN WOOD INDUSTRIES PUBLIC CO., LTD.	SUN	93.00
THAI AGRI FOODS PUBLIC CO., LTD.	TAF	79.80
THAI CARBON BLACK PUBLIC CO., LTD.	TCB	63.00
THAI DURABLE TEXTILE PUBLIC CO., LTD.	TDT	40.00
THAI FILM INDUSTRIES PUBLIC CO., LTD.	TFI	64.40
THAI-GERMAN PRODUCTS PUBLIC CO., LTD.	TGPRO	17.80
THANTAWAN INDUSTRY PUBLIC CO., LTD.	THIP	90.80
THAI PLASTIC AND CHEMICALS PUBLIC CO., LTD.	TPC	48.00
THAI PETROCHEMICAL INDUSTRY PUBLIC CO., LTD.	TPI	25.00
THAI RAYON PUBLIC CO., LTD.	TR	48.80
THAI TEXTILE INDUSTRY PUBLIC CO., LTD.	TTI	37.00
THAI UNION FROZEN PRODUCTS PUBLIC CO., LTD.	TUF	94.80
TUNTEX PETROCHEMICALS (THAILAND) PUBLIC CO., LTD.	TUNTEX	54.80
THAI VEGETABLE OIL PUBLIC CO., LTD.	TVO	20.40
THE UNION MOSAIC INDUSTRY PUBLIC CO., LTD.	UMI	16.00
VINYTHAI PUBLIC CO., LTD.	VNT	29.20
THAI WACOAL PUBLIC CO., LTD.	WACOAL	24.20
THAILAND CARPET MANUFACTURING PUBLIC CO., LTD.	TCMC	42.80
CHAIWATANA TANNERY GROUP PUBLIC CO., LTD.	CWT	74.20

Appendix B.

List of sectors in each industry used in this paper

Industry	Sector
1. Services	1.1 Commerce
	1.2 Entertainment and Receptions
	1.3 Health Care Services
	1.4 Hotels and Travel Services
	1.5 Printing and Publishing
	1.6 Professional Services
	1.7 Transportation
	1.8 Warehouse and Silo
2. Technology	2.1 Electrical Products and Computer Parts
	2.2 Electronic Components
	2.3 Pharmaceuticals and Cosmetics
	2.4 Communication
3. Financial	3.1 Banking
	3.2 Finance and Securities
	3.3 Insurance
4. Property and Construction	4.1 Property Development
	4.2 Building Materials and Construction
5. Consumer Products	5.1 Household Goods
	5.2 Jewelry and Ornaments
	5.3 Textiles, Clothing and Footwear
6. Agro and Food	6.1 Agribusiness
	6.2 Food and Beverages
7. Industrial	7.1 Chemicals and Plastics
	7.2 Energy
	7.3 Machinery and Equipment
	7.4 Packaging
	7.5 Mining
	7.6 Pulp and Papers
	7.7 Vehicles and Parts

BIOGRAPHY



Ms.Atiya Awachanakarn was born on March 26, 1981 in Bangkok and graduated from high school at Rajini School in 1998. Upon completion of the bachelor degree of Computer Science from Thammasat University in 2002, entered the Master of Science in Finance Program at Chulalongkorn University in 2002.