

Test S&P500 Using Dr. Mo

Dr. Jian Wang

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Data Set:

Symbol List @ 12/1994

S&P500	229 companies existed in 8/16/2015
Top Volume	100 companies in 12/1994
Merge:	290 companies

Training Set: 1/1990 to 12/2006
(two bull cycles one bear cycle)

Test Set: 1/2007 to 12/2014
one bull and one bear cycle

Monthly stock price total returns (including dividend)

Variables

Y variable:

Monthly stock price change in %

Dividend/split is included

Data source: Yahoo.com

X variable:

Price and Volume related information

Technical indicators generated by Amibroker

45 variable for each company

Soft10 Prediction: 290 Companies

Predict next month return for each company using 13750 variables

Year	SPY year % Real	Dr. Mo Prediction	
2007	-2.73	0.26	←
2008	-53.20	-26.32	←
2009	44.38	43.07	
2010	22.11	31.52	←
2011	6.19	10.27	←
2012	12.86	22.35	←
2013	23.29	19.56	←
2014	14.64	15.17	←
Avg	8.44	14.48	
Sharpe	0.30	0.69	
maxLoss	-53.20	-26.32	

Dr. Mo
6 / 8 beats SPY

Conclusions

- Dr. Mo beats SP500 75% of times

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