Bloomberg Trading Challenge 2019

Princeton University

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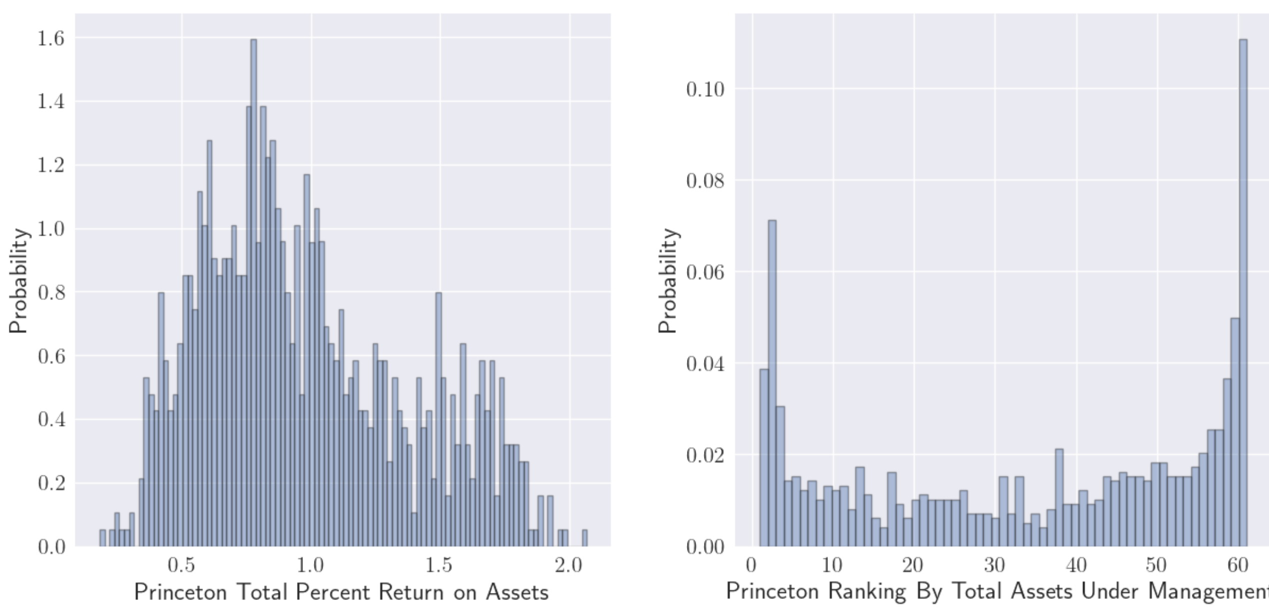
1 Figures



(a) **(b)**

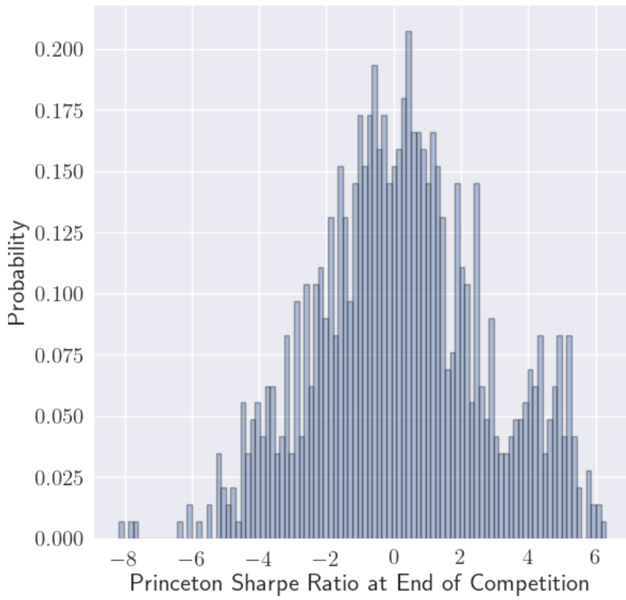
Figure 1: Distribution of percent return on assets achieved by Princeton team (a); Distribution of Princeton ranking by Total Assets Under Management (b). Princeton chooses from max volatility distribution with mean = 0, standard deviation = 0.063. Competitors randomly choose a distribution with volatility ranging from 0.0063 to 0.063 daily. Trials = 1000; trading days = 50; total teams = 61; initial assets for all teams = $1M; annual drift = 6%.

Stats:

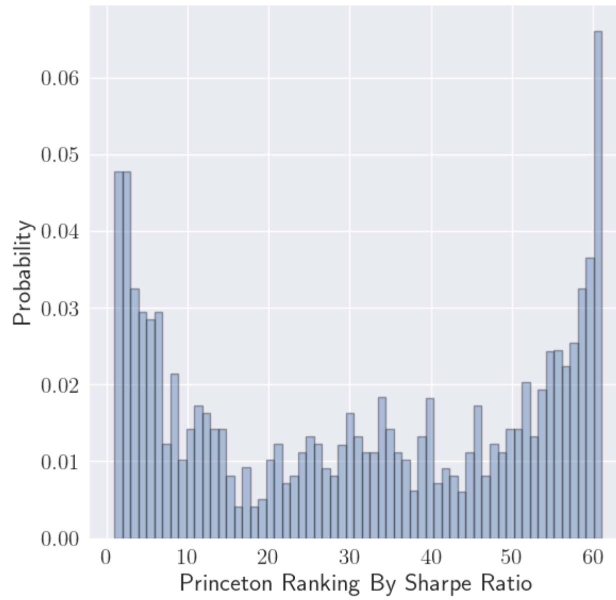
Princeton Appearances at Finals by Earnings (1000 trials) = 108

Probability of Princeton Attending Finals By Earnings = 10.8%

Princeton Edge By Earnings = 3.425



(a)



(b)

Figure 2: Distribution of Sharpe Ratio achieved by Princeton team across all trials (a); Distribution of Princeton ranking by Sharpe Ratio (b). Princeton chooses from max volatility distribution with mean = 0, standard deviation = 0.063. Competitors randomly choose a distribution with volatility ranging from 0.0063 to 0.063 daily. Trials = 1000; trading days = 50; total teams = 61; initial assets for all teams = \$1M; annual drift = 6%; annual risk free return = 2.48%.

Stats:

Princeton Appearances at Finals by Sharpe Ratio = 94

Probability of Princeton Attending Finals By Sharpe Ratio = 9.4%

Princeton Edge By Sharpe Ratio = 2.960