The peer performance of hedge funds

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Abstract

The industry standard to measure the peer performance of investment funds is to rank the funds based on their risk-adjusted performance and conclude that the fund outperforms the peers with a worse ranking. When all funds perform equally well, this rate of out-performance is a random number between zero and one, depending on how lucky the fund is. We avoid this pitfall and introduce peer performance ratios that account for the uncertainty in estimating the performance differential of two funds. In the application to hedge funds, we find that the percentile-rank analyses of peer performance tend to be too optimistic about the out-performance of the funds with a relatively higher ranking. Fund size tends to decrease the out-performance ratio and increase the under-performance ratio, but the effect on the under-performance ratio is smaller for funds with a longer track record. Consistent with the adaptive market hypothesis, we find that hedge funds with an improved peer performance tend to have higher short-term returns.

Keywords: Adaptive market hypothesis, career hypothesis, hedge fund, life-cycle theory, peer performance ratio, performance measurement

\textsuperscript{*}We are grateful to Marie-Claude Beaulieu, Guido Bolliger, Peter Carl, Geert Dhaene, Ignace De Vos, Michel Dubois, Ivan Guidotti, Leenart Hoogerheide, Simon Keel, Richard Lugier, Doug Martin, Attilio Meucci, Mikael Pettijean, Gabriel Power, Olivier Scaillet, Enrico Schumann, Martin Wallmeier, as well as seminar participants at aeris CAPITIAL AG (2011), the 3rd R/Finance conference in Chicago (2012), the 7th Computational and Financial Econometrics Conference in London (2013), the 35th conference in Brussels (2013), the 4th Amsterdam-Bonn workshop in Econometrics (2013), the 8th Swiss Economists Abroad conference in St-Gallen (2013), the VU University of Amsterdam (2013), the KU Leuven (2014), the Mathematical Finance Days in Montréal (2014), the Federal Reserve Bank of Saint Louis (2014) and the 35th International Symposium on Forecasting in Riverside (2015). Financial support from aeris CAPITIAL AG, the Dutch science foundation, IFM2 Montréal and the R/Finance committee (best paper award in 2012) is gratefully acknowledged. The views expressed in this paper are the sole responsibility of the authors. Any remaining errors or shortcomings are those of the authors.

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Preprint submitted to SSRN

June 18, 2015