## Conditional alphas and realized betas

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This version: June 12, 2013

Abstract: This paper proposes a two-step procedure to back out the conditional alpha of a given stock from high-frequency returns. We first estimate the realized factor loadings of the stock, and then retrieve the conditional alpha by estimating the conditional expectation of the stock return in excess over the realized risk premia. The estimation method is fully nonparametric in stark contrast with the literature on conditional alphas and betas. Apart from the methodological contribution, we employ NYSE data to determine the main drivers of conditional alphas as well as to track mispricing over time. In addition, we assess economic relevance of our conditional alpha estimates by means of a market-neutral trading strategy that longs stocks with positive alphas and shorts stocks with negative alphas. The preliminary results are very promising.

Keywords: asset pricing, conditional CAPM, realized beta, risk-adjusted performance.

Acknowledgments: We thank the valuable comments by Greg Connor, Andrew Karolyi and Olivier Scaillet as well as by seminar participants at the Einaudi Institute for Economics and Finance, Geneva Finance Research Institute, National University of Ireland Maymooth, Queen Mary, PUC-Rio, Rotterdam Erasmus University, University of Birmingham, University of Lecce, University of Surrey, University of Vienna, Statistics and Modeling for Complex Data (École des Ponts Paris-Tech, June 2011), Nonlinear and Financial Econometrics Conference: A Tribute to A. Ronald Gallant (Toulouse, May 2011), CEF/MMF Workshop on Empirical Finance: Some Recent Methodological Developments and Applications (London, May 2011), Meeting of the Brazilian Finance Society (Rio de Janeiro, July 2011), and Italian Congress on Econometrics and Empirical Economics (Genoa, January 2013). We are also much indebted to Christian Brownlees for so generously providing the realized beta data. The usual disclaimer applies.