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HWWI Research Paper HWWI Research Paper 158

## **The Relation Between Overreaction in Forecasts and Uncertainty: A Nonlinear**

### **Approach**

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Hamburg, 2014

Zusammenfassung:

This paper examines if overreaction of oil price forecasters is related to uncertainty. Furthermore, it takes into account impacts from oil price return and oil price volatility on forecast changes. The panel smooth transition regression model from Gonzalez et al. (2005) is applied with different specifications of the transition functions to account for nonlinear relations. Data on oil price expectations for different time horizons are taken from the European Central Bank Survey of Professional Forecasters. The results show that forecast changes are governed by overreaction. However, overreaction is markedly reduced when high levels of uncertainty prevail. On the other hand, noisy signals and positive oil price returns tend to cause higher overreaction.

ISBN 1861-504X

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