

HOW TO PREDICT FINANCIAL STRESS? AN ASSESSMENT OF MARKOV
SWITCHING MODELS,
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IWFSAS 2017, HEC Montreal

August 24, 2017

SUMMARY

- Goal: study drivers (early warnings) of financial market stress
- Methodology: estimate a Markov Switching (MS) model
- Model setup:
 - Country Level Index of Financial Stress: two regimes
 - Prob. of transition depends on exogenous variables.
- Estimate model using data in 15 EU countries;
- Findings:
 - ① parameters affect prob. from L to H
 - debt service ratio
 - property price-to-rent ratio
 - property price growth
 - ② parameters affect prob. from H to L
 - credit-to-GDP ratio
 - economic confidence index
 - ③ one caveat: results driven by Global Financial Crisis sample
 - ④ MS model outperforms binary early warning model

COMMENTS AND QUESTIONS

- Interesting and important paper
- Questions and comments
 - ① General comments: provide more explanations on results
 - theoretical work on the sign of parameters (?)
 - interpretation of results
 - ② One result on the prob. from L to H
 - Higher property price decreases prob.
 - Higher property-to-rent ratio increases prob.
 - ③ Parameters on the prob. from H to L are not robust
 - hard to predict when will exit from crisis?