

7–9 September 2021

Narodowy Bank Polski Webinar

Short-term forecasting – dynamic factor models and their popular applications

Tentative programme

Tuesday, 7 September 2021 (UTC +2)

09:00 – 09:05	Welcome address
09:10 – 10:00	Statistical factor analysis and principal components analysis (PCA). Dynamic factor model (DFM): identification and estimation issues. Kalman filter vs. two-step method of Stock&Watson – presentation.
10:05 – 11:00	Data collection and pre-processing in data-rich environment framework. Popular sources and methods (JDemetra with a cruncher)
11:10 – 12:00	Workshop with Matlab codes

Wednesday, 8 September 2021 (UTC +2)

09:00 – 10:00	Leading indicators (LI) models in short-term inflation forecasting – presentation
10:10 – 11:00	Workshop (presentation)
11:10 – 12:00	Point and density forecast evaluation. Fan chart presentation

Thursday, 9 September 2021 (UTC +2)

09:00 – 10:00	Advances in dynamic factor models: model and data selection, dynamic factor structure selection
10:10 – 11:00	Real-time data analysis. Mixed data frequency and ragged edges
11:10 – 12:00	Multi-level factor analysis. HICP data mining (country, group and subgroups specific factors)

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