Hierarchical Forecasting

1 Introduction

- What is hierarchical time series
- Importance of coherent forecasts (discuss with an example)

2 Coherent point forecasts

- Definition of coherent point forecasts
- Discussion of traditional methods
 - * Bottom-up
 - * Top-down
 - * Middle-out

3 Point forecast reconciliation

- Definition of point forecast reconciliation
- Existing point forecast reconciliation methods
 - * OLS
 - * MinT
 - * GTOP

4 Probabilistic forecast reconciliation

- Importance
- Definitions
- Existing studies

5 Empirical example