Master Thesis Topic Pitch
The determinants of growth in EU candidates' regions

Elia Di Gregorio

Vienna University of Economics and Business

December 2023

Table of Contents

Paper Inspiration

- Core-Periphery Model

- Jesús Crespo Cuaresma, Gernot Doppelhofer & Martin Feldkircher (2014) The Determinants of Economic Growth in European Regions

    1. Quantitative Research

    2. Focus on CEE

- European Integration

- Relevance for current employer and future career path

Research Question

The aim of my Master Thesis is two-folded:

1. inquiry how EU candidates relates to other EU members
2. investigate the determinants of growth in EU candidates

The analysis would imply:

- National level: Cluster analysis

- Regional level: Bayesian Model Averaging analysis

Figure: WB6 + UA + MD

Cluster Analysis

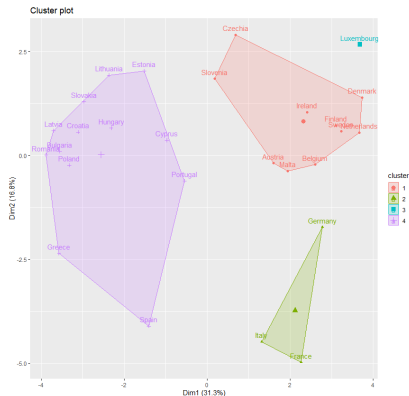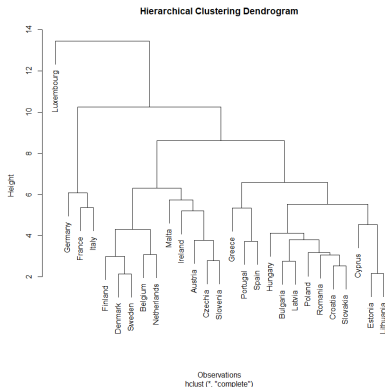1. Hierarchical method
2. Hard/Fuzzy K-means method

Figure: Cluster Analysis

Bayesian Model Averaging

Three models:

- Baseline model BMA
- Extension with country fixed effects
- Spatial BMA

Extensions on:

- Region-Specific Dummy
- Interaction with Capital

Data

Retrieved from Eurostat, WIIW, National Statistical Offices:

- Factor accumulation and convergence
- Human capital
- Technological innovation
- Sectoral structure and employment
- Infrastructure
- Socio-geographical

Time span from 2006/2008 - Present

Regional Data Coverage

Country coverage:

- Kosovo, North Macedonia, Montenegro $\rightarrow$ singular NUTS-2 region
- Albania, Serbia $\rightarrow$ multiple NUTS-2 region
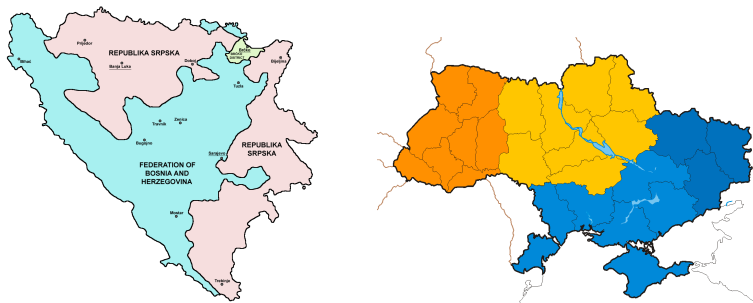- BiH, Ukraine, Moldova $\rightarrow$ no NUTS-2 classification

Figure: Possible NUTS-2 division

Problem of data accessibility/granularity for HiB and UA

Possibility of discussion/intrepetation of results with regards to:

- EU Enlargement Process

- EU Cohesion Policy

- De-globalization Trend