FDI Project Notes

IGERT

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Abstract

The study of FDI flows has largely overlooked the dependencies between observations. This has resulted in misspecified models. We use generalized exponential graph models to account for these dependencies.

1 Data Collection

1. FDI Data

   - Downloaded from UNCTAD

   - Cleaned and appended into panel format

2. GDP

   - Downloaded from WB WDI

3. Distance

   - Downloaded from CEPII

   - Mayer, T. & Zignago, S. (2011) Notes on CEPII?s distances measures: the GeoDist Database CEPII Working Paper 2011-25

4. Alliances

   - Downloaded from COW

   - Gibler, Douglas M. 2009. International military alliances, 1648-2008. CQ Press

5. Regime Type

   - Downloaded from Center for Systemic Peace

   - http://www.systemicpeace.org/inscrdata.html

6. GDP growth rate

- Downloaded from WB WDI

7. Trade Openness

    - Downloaded from WB WDI

8. Population

    - Downloaded from WB WDI

9. Transparency

    - Downloaded from Transparency International

2   Data Preparation

1. Downloading Data: `FDI_download.R`

    - STP and CIV cannot be scraped due to Uni-code issues:Downloaded and formatted manually

    - Had to rewrite "Sao Tao and Principe" in its file; Changed "Cote d?Voire" to "Ivory Coast"

    - Does not run from makefile due to these manual changes

2. Cleaning Data: `FDI_clean.R`

    - Gets rid of empty columns and empty rows, then appends all countries to together

    - Gets rid of aggregates and adds country codes

    - File output `fdi_clean.csv`

3. Adding data: `FDI_merge.R`

    - Adds control variables

    - File output: replaces `fdi_merge.csv`