README for "Beyond the AI Divide: A Simple Approach to Identifying Global and Local Overperformers in AI Preparedness"

Instructions for Replicators

To replicate the package:

1. Open the `code/Do_AiPI_PCA_ECI.do` file, change directory paths and run the script.
2. Open the `code/Do_AIPI_&BMA.do` file, change directory paths and run the script.
3. Open the `code.Rproj` file
4. From the RStudio interface, open the `code/script.R` file and run the script.

Data Availability

All data sources are publicly available.

Data Sources

1. **AIPI database**
   a. URL: https://www.imf.org/external/datamapper/datasets/AIPI#:~:text=AI%20Preparedness%20Index%20(AIPI)%20assesses,integration%2C%20and%20regulation%20and%20ethics
   b. Date Accessed: November 2024
   c. Datasets: imf-dm-export-*.xls (5)
   d. Instructions: Download and place in the rawData folder
2. **Economic Complexity Indexes, for Trade, Technology and Research**
   a. URL: https://oec.world/en/rankings/eci/hs6/hs96
   b. Date Accessed: December 2024
   c. Datasets: Data-ECI-*.csv (3)
   d. Instructions: Download and place in the rawData folder
3. **Database from Sala-i-Martin et al. (2004) "Determinants of Long-Term Growth: A Bayesian Averaging of Classical Estimates (BACE) Approach"**
   a. URL: https://www.aeaweb.org/articles?id=10.1257/0002828042002570
   b. Date Accessed: December 2024

c. Datasets: BACE_data.xls

d. Instructions: Download and place in the rawData folder

4. **World Bank Official Boundaries**

   a. URL: https://datacatalog.worldbank.org/search/dataset/0038272/World-Bank-Official-Boundaries

   b. Date Accessed: December 2024

   c. Datasets: wb_countries_admin0_10m.shp, wb_countries_admin0_10m.dbf

   d. Instructions: Download the zip archive from the url, extract the .shp and the .dbf files and place them in the rawData folder.

5. **wbopendata Population Data**

   a. Data Accessed: December 2024

   b. Instructions: Downloadable directly from stata through the command `wbopendata, indicator(SP.POP.TOTL) clear included` in the `Do_AiPI_PCA_ECI.do` script