Codebook for Replication Materials

Re-Innovation Nation:
The Political Economy of Technology Transfer Policy in Post-WTO China

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Description:
This codebook documents the variables included in the processed datasets used in the analysis for the article.

Variable Descriptions

- **year**: Year, from 1995-2015
- **isic2**: ISIC 2-digit industry code
- **isic**: ISIC 4-digit industry code
- **isic_year**: The total # of technology absorption policies in place per ISIC 4-digit industry and year
- **sqrtta**: The square-root of the total # of technology absorption policies in place per ISIC 4-digit industry and year
- **strategic**: A binary indicator of the strategic status of an industry
- **median_share**: The median share of imports tied to export-processing trade by industry
- **is_post**: A binary indicator for whether an observation is before or after 2006
- **med_hhi_isic2**: The median HHI index of industrial output per 2-digit ISIC industry
- **med_soe_isic2**: The median SOE share of industrial output per 2-digit ISIC industry
- **total_isic**: The total number of technology absorption policies per ISIC 4-digit industry

- **stratdown**: A binary indicatory of whether a given industry is both strategic and one in which China is downstream of GVCs
- **alt_strategic**: An alternative measure of the strategic status of an industry based on Chinese central state policy documents
- **log_ndrc**: The log of the total number of policies issued by the National Development and Reform Commission by year
- **log_sc**: The log of the total number of policies issued by the State Council by year
- **log_rev**: The log of total Chinese central state revenue by year
- **nonept_imp_worldshare**: China's share of total world imports by ISIC 4-digit industry and year after controlling for imports tied to export-processing trade
- **total_cnimp_worldshare**: China's share of total world imports by ISIC 4-digit industry and year without controlling for imports tied to export-processing trade
- **nonept_share_lead4**: nonept_imp_worldshare with a 4-year lead
- **nonept_share_lead8**: nonept_imp_worldshare with an 8-year lead
- **total_cn_world_share4**: total_cnimp_worldshare with a 4-year lead
- **total_cn_world_share8**: total_cnimp_worldshare with an 8-year lead

Data Sources

- **RESSET China Customs Import and Export Full Port Database**: Used to create measure of China's processing trade dependence (**median_share**).
- **China National Bureau of Statistics**: Used to create measures of geographic concentration of industrial output (**med_hhi_isic2**), SOE share of industrial output (**med_soe_isic2**) and central state revenues (**log_rev**).
- **Global Innovation 1,000 Study**: Used to code R&D-intensive industries in measure of strategic status (**strategic**). Produced by consultancy Strategy&.
- **PKU Laws and Regulations Database**: Policies collected from database used to construct measures of the dependent variable (**isic_year** and **total_isic**), as well as measures of the number of policies issued by the NDRC (**log_ndrc**) and State Council (**log_sc**) by year.

- **Trademap.org**: Used to collect data on Chinese and world imports by product category and year for measures Chinese current (e.g., **nonept_imp_worldshare**) and future (e.g., **nonept_share_lead4**, **total_cn_world_share4**) market size.