Replication package for *Specialization in a Knowledge Economy*

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Description of folders and files

`Data` Data as obtained from the source. `Data_Sources.xlsx` lists the sources and download date.

`Codes` Codes that generate the tables and figures in the paper, including

- `Figures.do`: Stata codes that generate Figure 1-3, 5-11.
- `RD_Sale_Compustat.do`: Stata codes that generate `RD_Sale.dta` using Compustat Fundamental Annual 1950-2023.
- `Specialization_Program.m`: Matlab codes that generate Table 2-9 in the paper.
- `Specialization_Program_Extension.m`: Matlab codes that generate Table 10 and Appendix 17-19 in the paper.

`Tables` Tables produced by the `Codes` programs.

`Figures` Figures produced by the `Codes` programs.

Instructions

- Run `Figures.do` in Stata to generate figures in the paper.
- Run Specialization_Program.m and Specialization_Program_Extension.m in Matlab to generate tables in the paper.

Additional notes

- Figure 4 and 12 is a schematic diagram that does not rely on real data.
- Table 1, 12–16, and 20–23 are generated with restricted Census data and therefore cannot be included in this replication package. The `Tables\Census_Tables.xlsx` contains the output from the Census workspace.