

README

Overview

The code in this replication package contains completed assignments for ECON 280 Computation at UC San Diego with David Arnold. The paper chosen for this project is an AER 2020 article by Bloom et al. “Are Ideas Getting Harder to Find?” There are files to generate charts which are then automatically included within PDF outputs when compiled using LaTeX.

Data Availability

All data **are** publicly available.

All data is located within the original replication package for Bloom et. al. (2020) and can be downloaded from OPENICPSR: <https://www.openicpsr.org/openicpsr/project/111743/version/V2/view>.

Computational requirements

- Python
- Matlab
- R
- LaTeX

Description of code

- Programs in `code/01_build` include the original replication package for Bloom et al. 2020 downloaded from OPENICPSR.
- Programs in `code/02_analysis` generate charts for Parts 2 through 4 assignments.

Instructions to Replicators

- Run `histogram.r`, `main_result.r`, `main_result.py`, and `main_result.m` in `code/02_analysis` to update all charts.
- Compile `part2.tex`, `part3.tex`, and `part4.tex` in `output/` to create PDF outputs for Parts 2 through 4 assignments.

Reference

Bloom, Nicholas, Charles I. Jones, John Van Reenen, and Michael Webb. “Are Ideas Getting Harder to Find?” *American Economic Review* 2020, 110 (4): 1104–1144.