

**Readme: programs for “Crafting Intellectual Property Rights: Implications for Patent Assertion Entities, Litigation and Innovation”, by Josh Feng and Xavier Jaravel**

The enclosed Stata and Matlab programs can be used to replicate the results of the paper.

“Master.do” calls all other Stata programs to replicate all tables and figures in the main text. “Master.do” also indicates how proprietary datasets can be obtained for purposes of replication (Internet links are provided below for the patent data, the litigation data, and the lists of Patent Assertion Entities used in the analysis).

The Matlab file “count\_model.m” prepares the data for Panel C of Table 3.

**Links and instructions for accessing the data used in the analysis** (data sources are publicly available or free to access unless stated otherwise):

- 1) Patent Data
  - a. Granted patent data: accessed through the website <http://patents.reedtech.com/patent-products.php>
  - b. Granted and ungranted patent data after 2001: downloaded from <https://www.uspto.gov/learning-and-resources/electronic-data-products/patent-examination-research-dataset-public-pair>
  - c. Reassignment data: downloaded from <https://www.uspto.gov/learning-and-resources/electronic-data-products/patent-assignment-dataset>
  - d. European Patent Office data: accessed from <https://www.epo.org/searching-for-patents/business/patstat.html>
    - i. A subscription is required to run queries on the database, but there is a free trial period
- 2) Patent litigation data
  - a. LexMachina: <https://lexmachina.com/legal-analytics/>
    - i. Access for 1 year is provided to academics after a brief web training
  - b. Darts IP: <https://www.darts-ip.com/ip-cases-database/>
    - i. Subscription required; some universities have institutional licenses
  - c. RPX Corp: <https://www.rpxcorp.com/>
    - i. Proprietary; contact RPX for access to their litigation database
- 3) Patent Assertion Entity lists
  - a. RPX Corp: <https://www.rpxcorp.com/>
    - i. Proprietary; contact RPX for access to their list of PAE entity names
  - b. PAE lists from Cotropia et al. (2014): <http://npedata.com/>
  - c. List of patents owned by Intellectual Ventures: <http://patents.intven.com/data/ivpatents.csv>
    - i. Free to access