FIGURE 5A-6

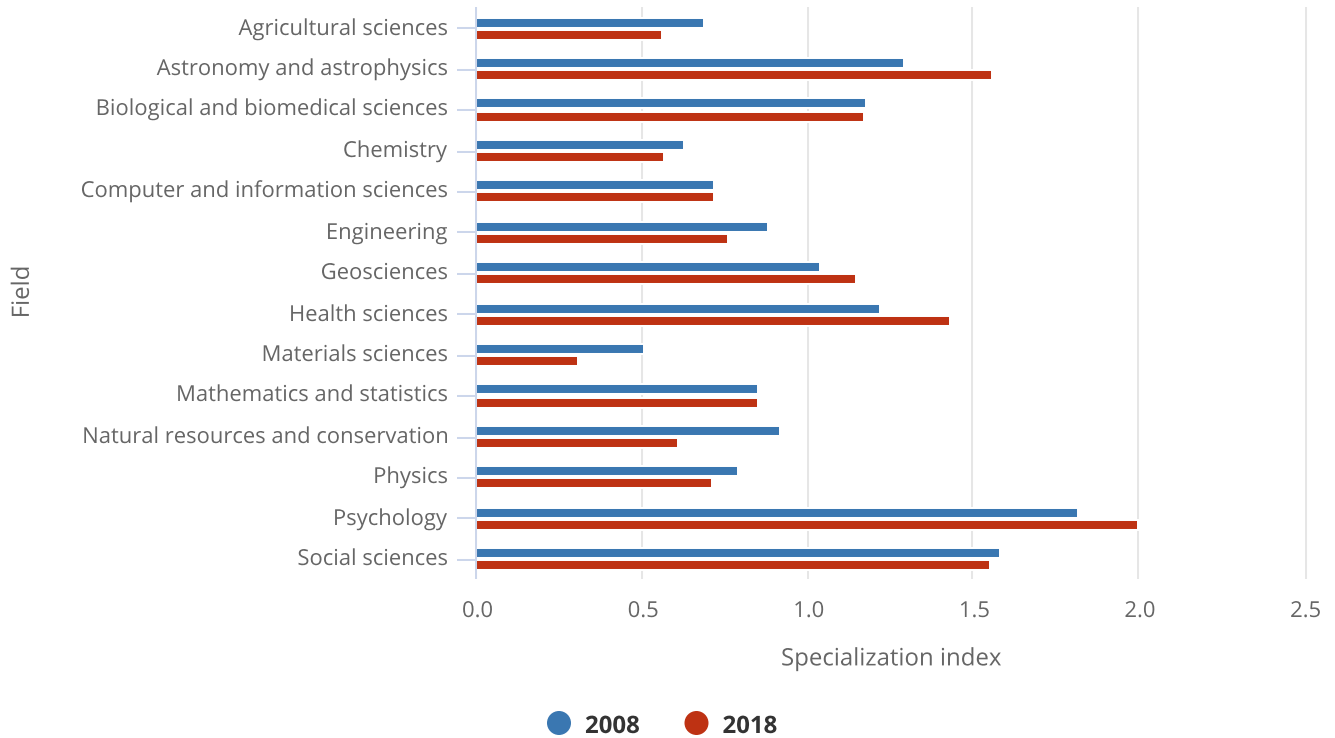## U.S. specialization of S&E articles, by field: 2008 and 2018

Note(s)

Articles are classified by their year of publication and are assigned to a region, country, or economy on the basis of the institutional address(es) of the author(s) listed in the article. The specialization index (SI) is calculated as follows: SI = (Fe/Te)/(Fw/Tw), where Fe is the fractional count of a given region, country, or economy's output in a given field (F) divided by the total output for the entity (Te); this is divided by the total ouput of the world in a given field (Fw) divided by the total output across all fields at the world level (Tw). Geosciences includes geosciences, atmospheric sciences, and ocean sciences. Data for additional years are available in Table S5a-18 through Table S5a-31.

Source(s)

National Center for Science and Engineering Statistics, National Science Foundation; Science-Metrix; Elsevier, Scopus abstract and citation database, accessed June 2019.

Science and Engineering Indicators