

BU's BEST

Biomedical Workforce Data 2021



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*These data can also be found online at www.bu.edu/BEST.
This work was supported by NIH Grant DP7OD02032, BU's BEST.*

Labor Insight™

About

Labor Insight™ is software offered by Burning Glass® Technologies. This tool allows educational institutions and others to analyze the job market so as to identify demand for specific jobs as well as the skills and credentials employers are seeking to fill the jobs. The data also enable analysis of regional demand and job trends. The information allows educational institutions to plan programming to meet employer needs. Moreover, trainees can use the data to identify training opportunities that will best prepare them to achieve their career goals.

As the search engine is constantly updated, the trend data (job postings/year) reported here does not necessarily match the exact values reported in previous years.

Workflow

1. Develop a search based on various criteria: industry, job type, required credentials, skill demand, experience, location, etc.
2. View reports: top job titles, top job skills, top employers, job trends, job demand maps, etc.

Notes

All searches were performed such that the reported jobs require or prefer that the applicant earned a PhD.

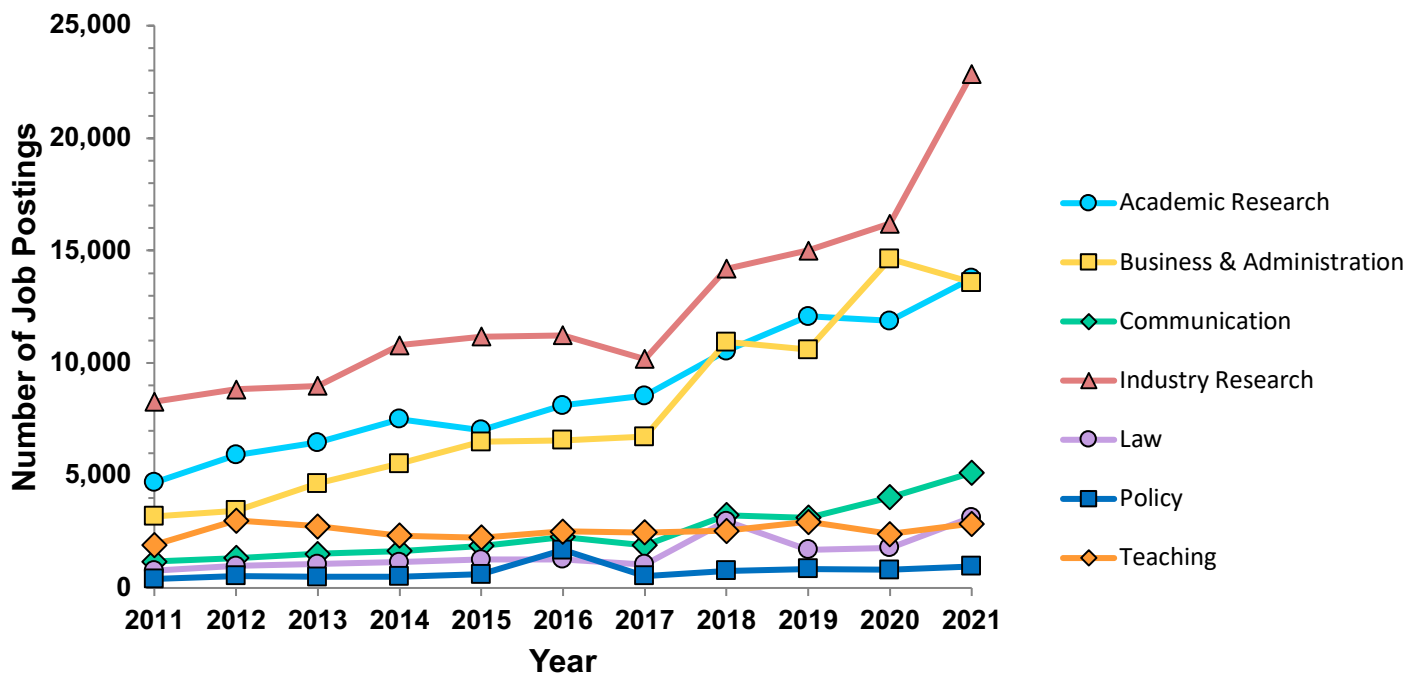
Caveats & Disclaimers

Date ranges are January 1, 2021 – December 31, 2021 for job searches (trend analysis, 2011-2021).

As the data are generated through job advertisements, small and mid-sized companies hiring small numbers of employees might not be listed in “top employers” but should not be ruled out.

Career Paths: Job Trends Summary

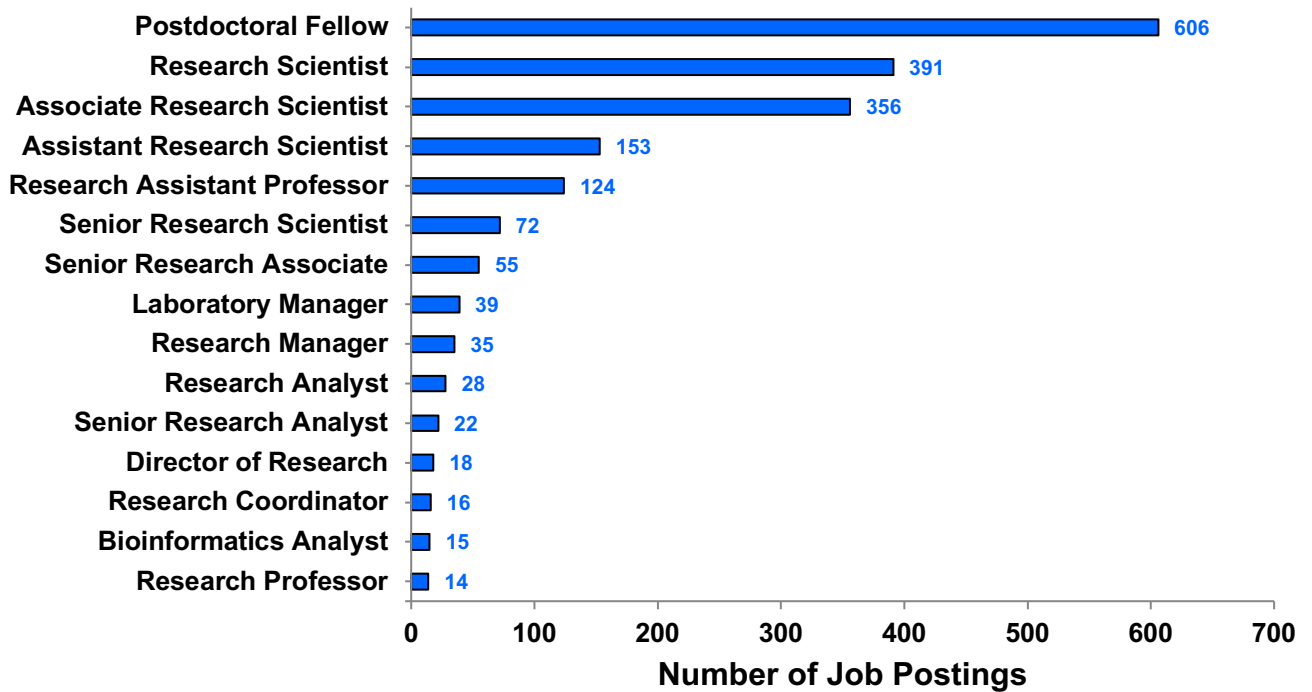
Job Postings by Year (2011-2021)



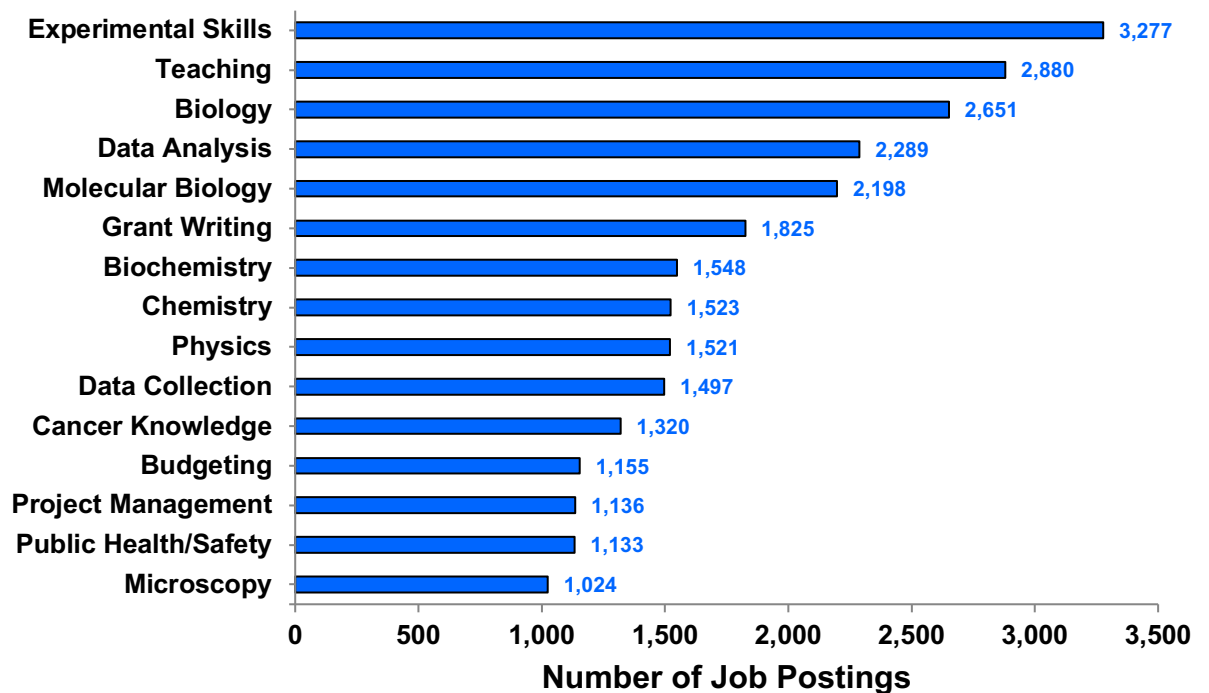
Academic Research

Number of job postings (nationwide):
13,761

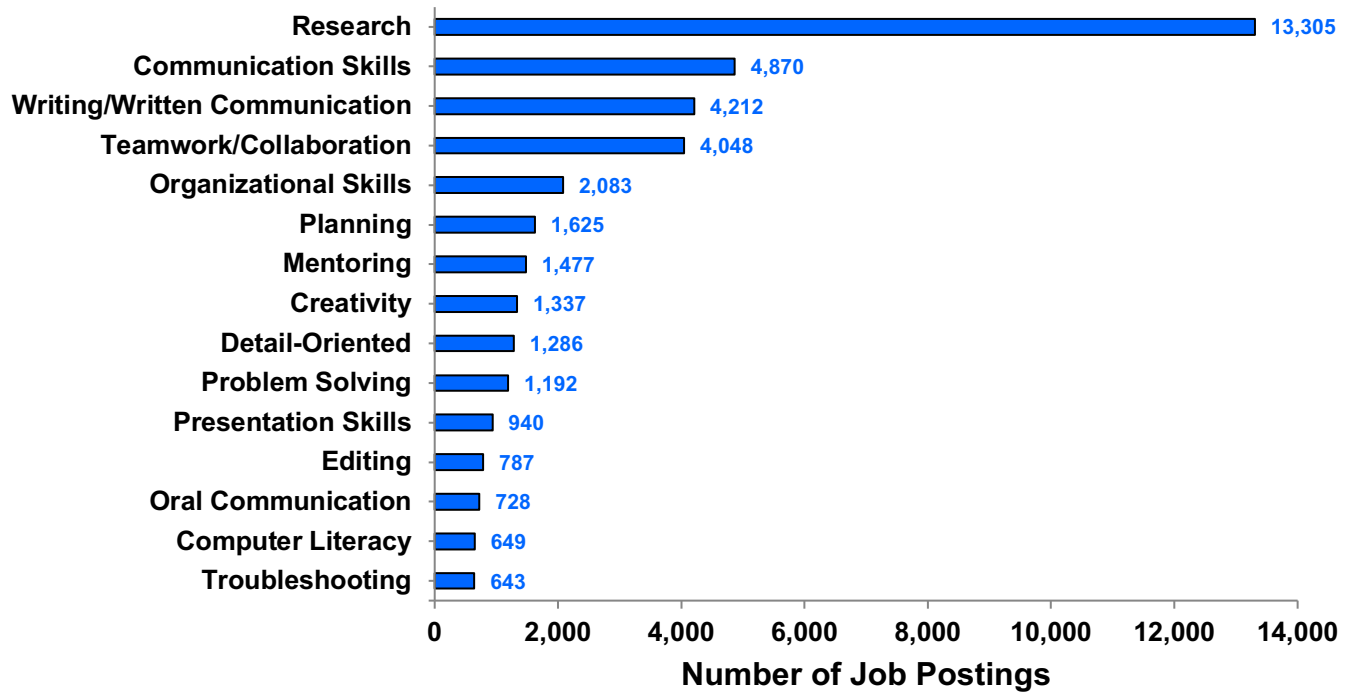
Job Titles: Academic Research 2021



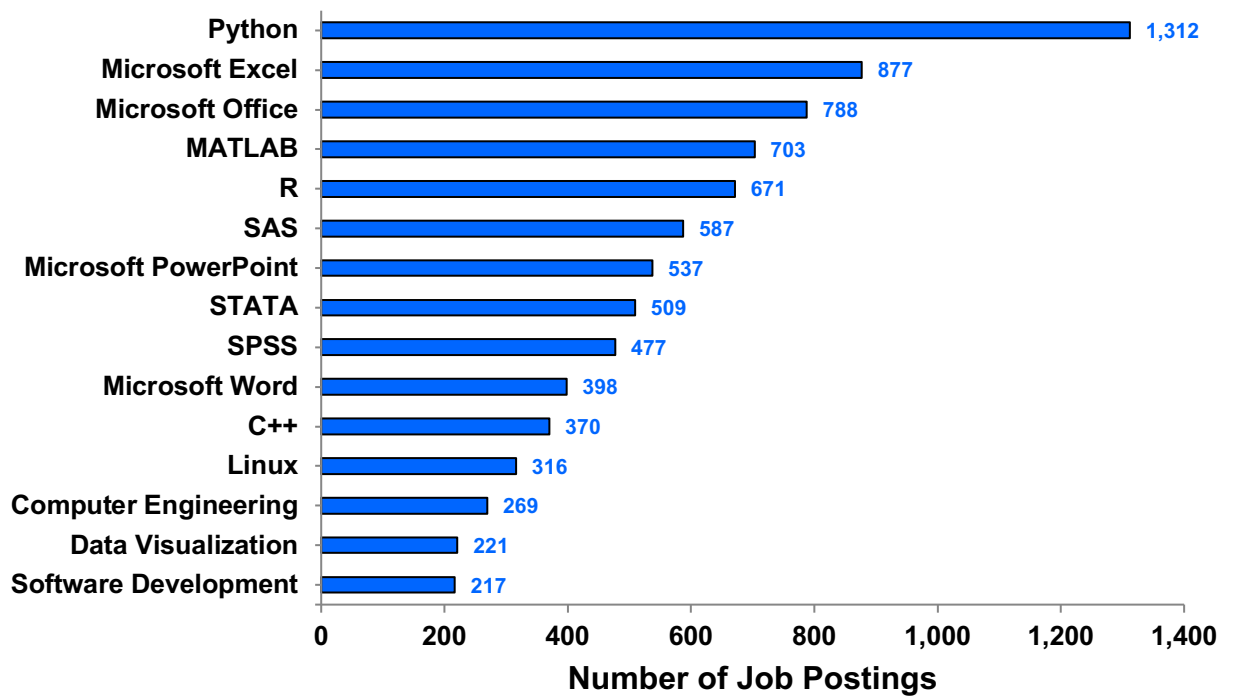
Specialized (Hard) Skills: Academic Research 2021



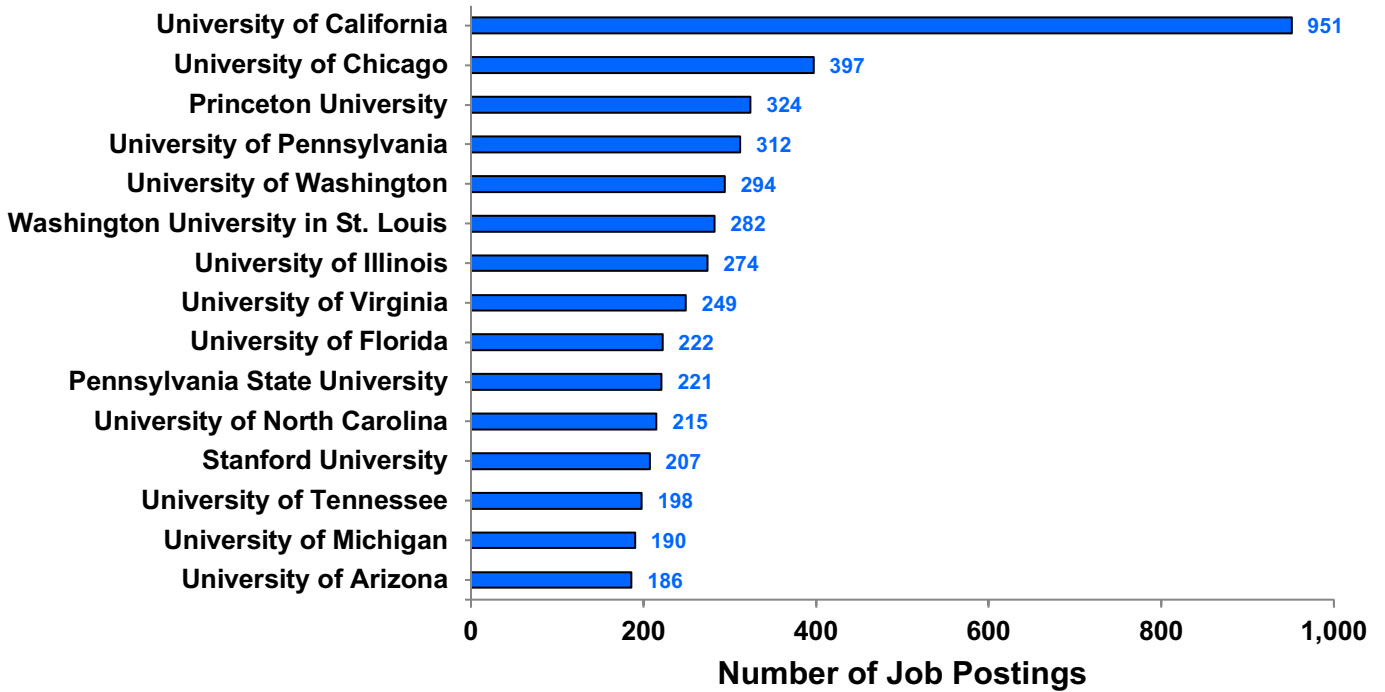
Baseline (Soft) Skills: Academic Research 2021



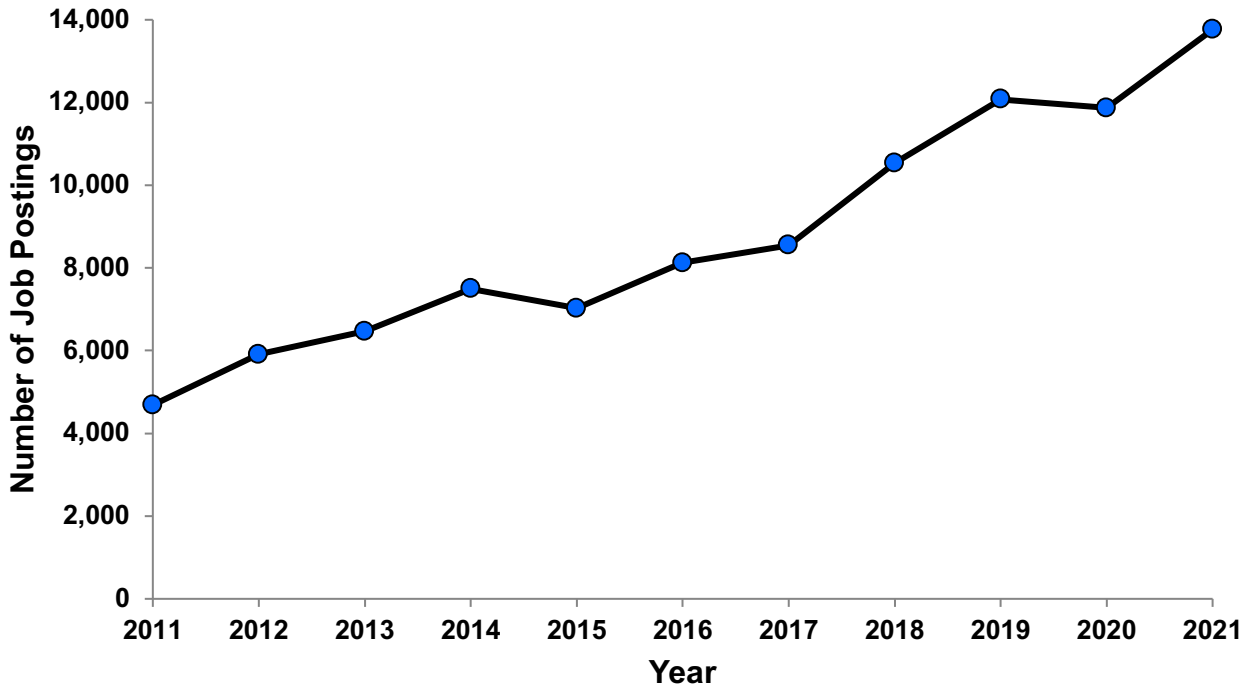
Computer Skills: Academic Research 2021



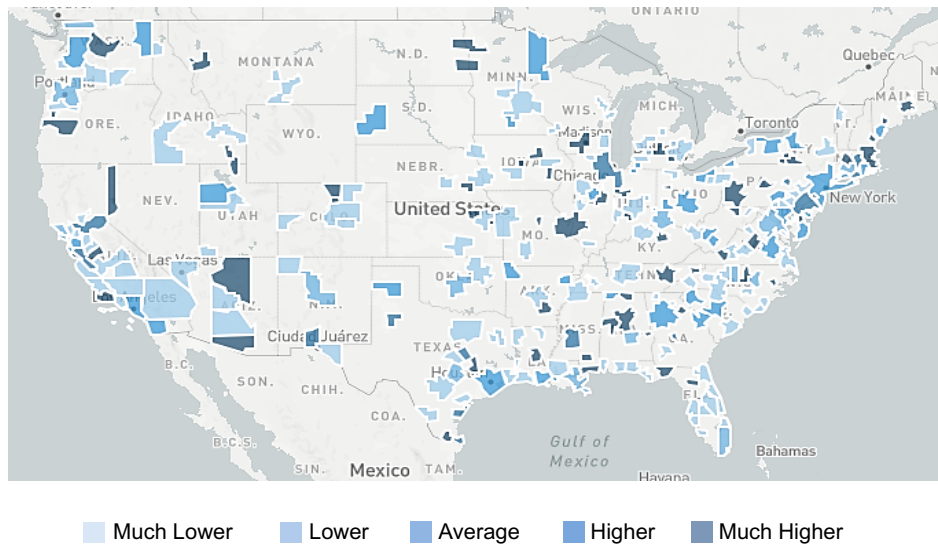
Employers: Academic Research 2021



Job Postings by Year: Academic Research 2011-2021



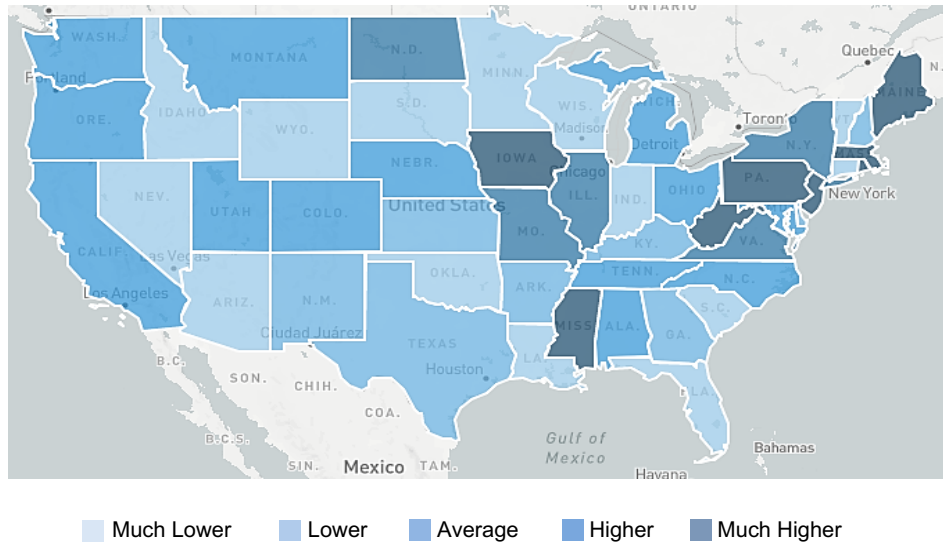
Demand Areas by MSA: Academic Research 2021



Metropolitan Statistical Area (MSA)	Job Postings
New York-Newark-Jersey City, NY-NJ-PA	743
Chicago-Naperville-Elgin, IL-IN-WI	693
Boston-Cambridge-Nashua, MA-NH*	631
Los Angeles-Long Beach-Anaheim, CA	611
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	421
San Francisco-Oakland-Hayward, CA	352
Trenton, NJ	333
Seattle-Tacoma-Bellevue, WA	316
St. Louis, MO-IL	301
Atlanta-Sandy Springs-Roswell, GA	287
Washington-Arlington-Alexandria, DC-VA-MD-WV	265
Charlottesville, VA	240
Houston-The Woodlands-Sugar Land, TX	238
San Jose-Sunnyvale-Santa Clara, CA	222
Durham-Chapel Hill, NC	214

*Metropolitan NECTA (New England City and Town Area)

Demand Areas by State: Academic Research 2021



State	Job Postings
California	1,757
Pennsylvania	837
Illinois	829
New York	778
Texas	774
Massachusetts	770
Florida	554
New Jersey	554
Virginia	502
Ohio	451
Colorado	427
North Carolina	412
Washington	387
Georgia	380
Michigan	375