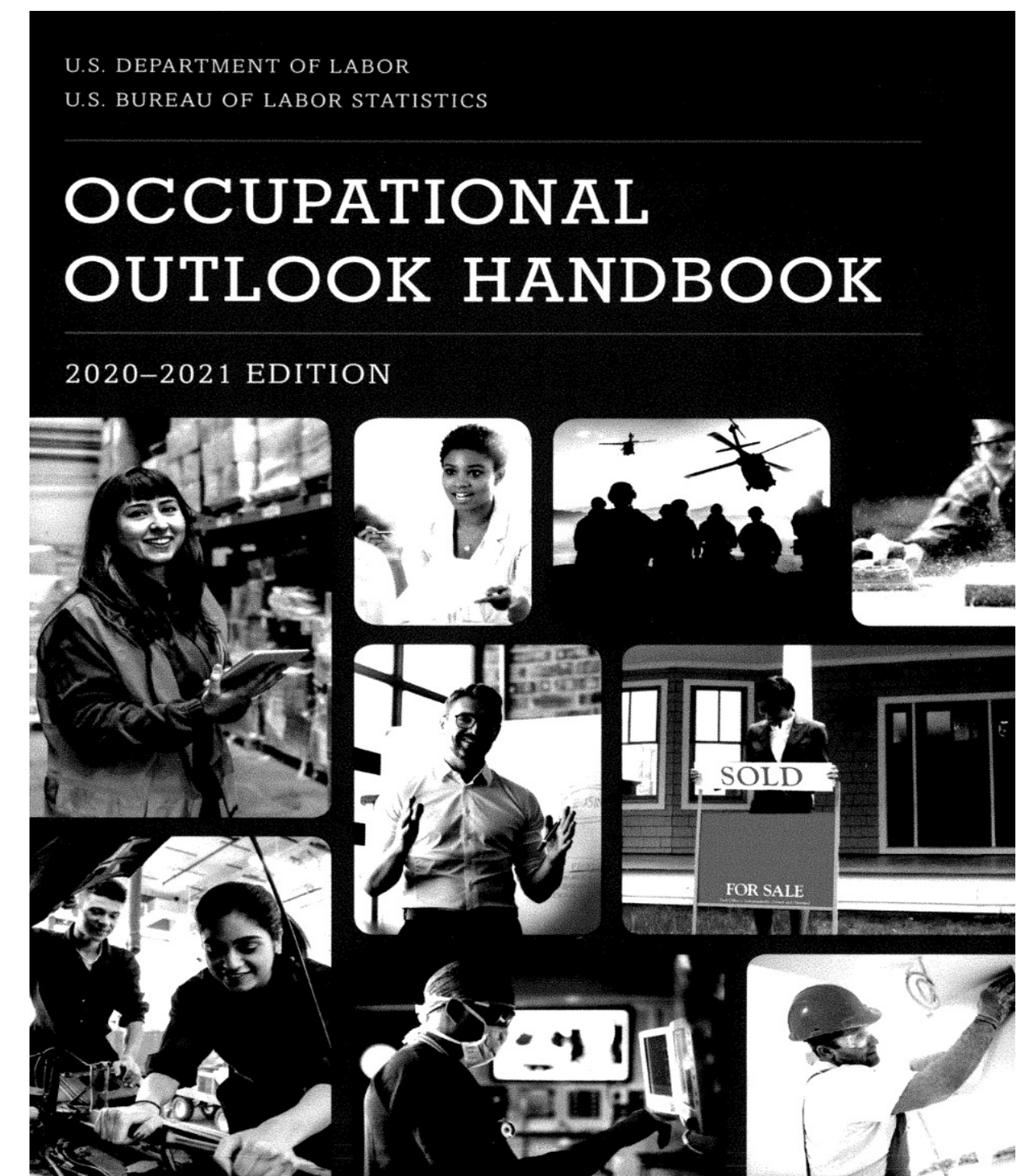


Occupations in the US

Occupational Outlook Handbook (OOH)

Historical government publications on career guidance featuring hundreds of occupations biennially from 1949 to 2020.



Architecture and Engineering

Aerospace Engineering and Operations Technicians

Summary

Quick Facts: Aerospace Engineering and Operations Technicians	
2018 Median Pay	\$67,010 per year \$32.22 per hour
Typical Entry-Level Education	Associate's degree
Work Experience in a Related Occupation	None
On-the-job Training	None
Number of Jobs, 2018	10,500
Job Outlook, 2018-28	4% (As fast as average)
Employment Change, 2018-28	500

What Aerospace Engineering and Operations Technicians Do

Aerospace engineering and operations technicians operate and maintain equipment used in developing, testing, producing, and sustaining new aircraft and spacecraft.

Work Environment

Aerospace engineering and operations technicians usually work in manufacturing or industrial plants, laboratories, and offices. Some of these workers may be exposed to hazards from equipment or from toxic materials, but incidents are rare as long as proper procedures are followed.

How to Become an Aerospace Engineering and Operations Technician

Many employers prefer to hire aerospace engineering and operations technicians who have earned an associate's degree in



Aerospace engineering and operations technicians operate and calibrate computer systems so that they comply with test requirements.

engineering technology or who have completed vocational-technical education in computer programming or robotics and machining. Prospective technicians also may earn certificates or diplomas offered by vocational or technical schools. Some aerospace engineering and operations technicians must have security clearances to work on projects related to national defense.

Pay

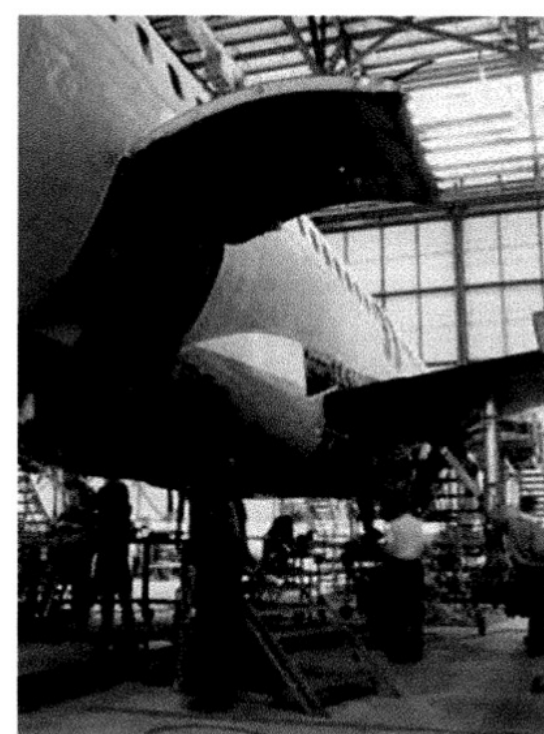
The median annual wage for aerospace engineering and operations technicians was \$67,010 in May 2018.

Job Outlook

Employment of aerospace engineering and operations technicians is projected to grow 4 percent from 2018 to 2028, about as fast as the average for all occupations. Many workers in this occupation work on projects that are related to national defense and therefore require security clearances.

State & Area Data

Explore resources for employment and wages by state and area for aerospace engineering and operations technicians.



Aerospace engineering and operations technicians work to make sure that testing goes smoothly.

OOH contains information about occupations such as their employment, job outlook in 10 years, entry qualifications, pay, etc.

Amazon MTurkers will answer questionnaire based on the information they see on the OOH. Each occupation in an OOH was assigned to two turkers.

In the way, we can turn text information into structured quantifiable variables.

Part D Education, Training, and Qualifications

Answers for the following questions often can be found in the section [load the section titles related to "Significant Points Summary" and/or "Education, Training, Apprenticeship, and License and Advancement;" information could be in more than one section]. If you cannot find the information there, please search the whole document.

D1. What is the most common or preferred level of education among workers in this occupation? If more than one preferred education are mentioned, select all that apply.

- 1) None or below high school
- 2) High school or equivalent
- 3) Postsecondary vocational schools
- 4) Associate degree
- 5) Some college

4

Part F Earnings and Pay

Answers for the following questions often can be found in the section [load the section titles related to "Earnings;" information could be in more than one section]. If you cannot find the information there, please search the whole document.

F1. According to the text, what is the median ANNUAL earnings of [load the occupation title] this occupation in [YEAR - system autoload]? Enter either a number or a range. If not mentioned, leave it blank.

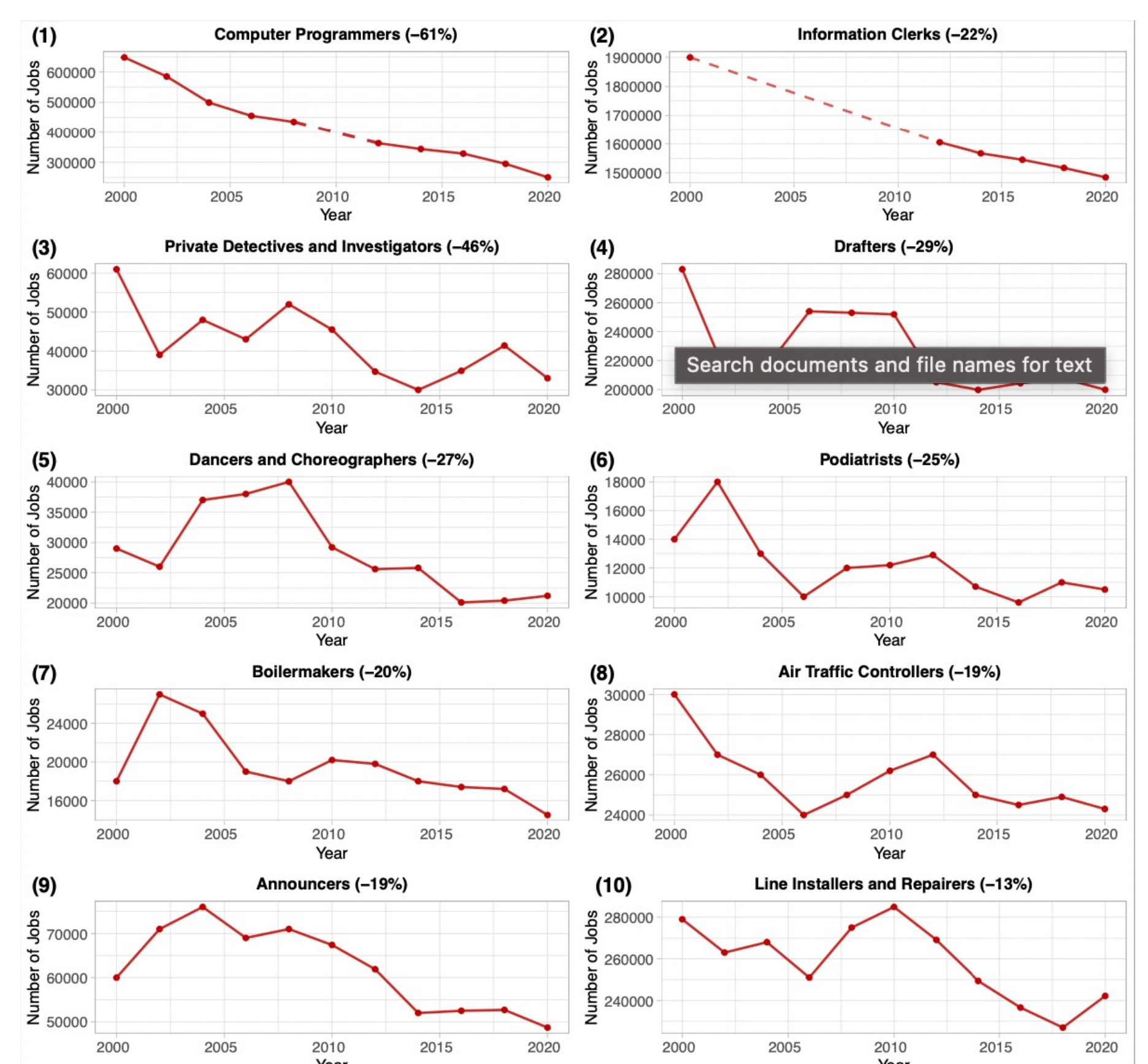
_____ dollars OR _____ dollars to _____ dollars

F1a. What is the lower 10 percent ANNUAL earnings of [load the occupation title] this occupation in [YEAR - system autoload]? Enter either a number or a range. If not mentioned, leave it blank.

_____ dollars OR _____ dollars to _____ dollars

Answers we received from Mturkers were sometimes messy and not accurate. The two turkers who were assigned the same occupation may disagree in some cases. As a result, we had to 1. clean the data to make sure there are formatted consistently; 2. reconcile answers from the turkers that were inconsistent by checking the original documents.

After data cleaning, we continued to help with data analysis and visualization by producing graphs with ggplot2.



Top 10 occupations with most contractions

PURM funded August Fu Summer 2022

