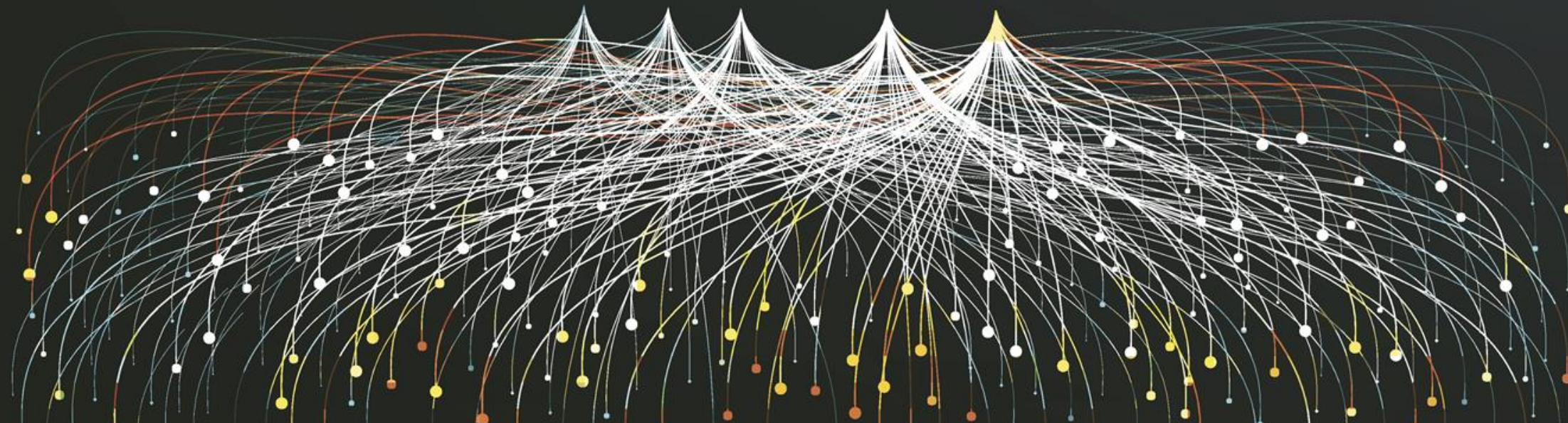




Group 1



An abstract network diagram with a dark background. It features a dense web of thin white lines that fan out from a central horizontal band. Interspersed among these lines are numerous small dots in white, yellow, and red. The overall shape is symmetrical, resembling a stylized flower or a complex web of connections.

JOB DATA ANALYSIS

The image features a dark background with a complex network graph. The graph consists of numerous nodes, represented by small colored circles in white, yellow, orange, and blue. These nodes are interconnected by a dense web of thin, curved lines in white, yellow, orange, and blue. The lines radiate from a central horizontal band, creating a symmetrical, fan-like pattern that expands outwards. In the center of the image, the text "Amazon | Google | Facebook" is displayed in a bold, white, sans-serif font. The text is centered horizontally and vertically, with the vertical bars acting as separators between the company names.

Amazon | Google | Facebook

Dataset Overview

Job postings of Google, Amazon and Facebook



<https://www.amazon.jobs/en>



<https://careers.google.com/>



<https://www.facebook.com/careers/>

Methodology Overview



DATA SCRAPING

- BeautifulSoup
- Selenium

DATA FORMATTING

- Pandas
- Re
- Numpy

DATA ANALYSIS

- Numpy
- Pandas

VISUALIZATIONS

- Matplotlib
- Plotly
- Seaborn

TITLE

LOCATION

DESCRIPTION

QUALIFICATIONS



POPULAR LOCATIONS

JOB CATEGORY DISTRIBUTION

PREFERRED SKILLS

OVERALL ANALYSIS

CATEGORY-WISE ANALYSIS

Filter

Reset Filter

By Location →

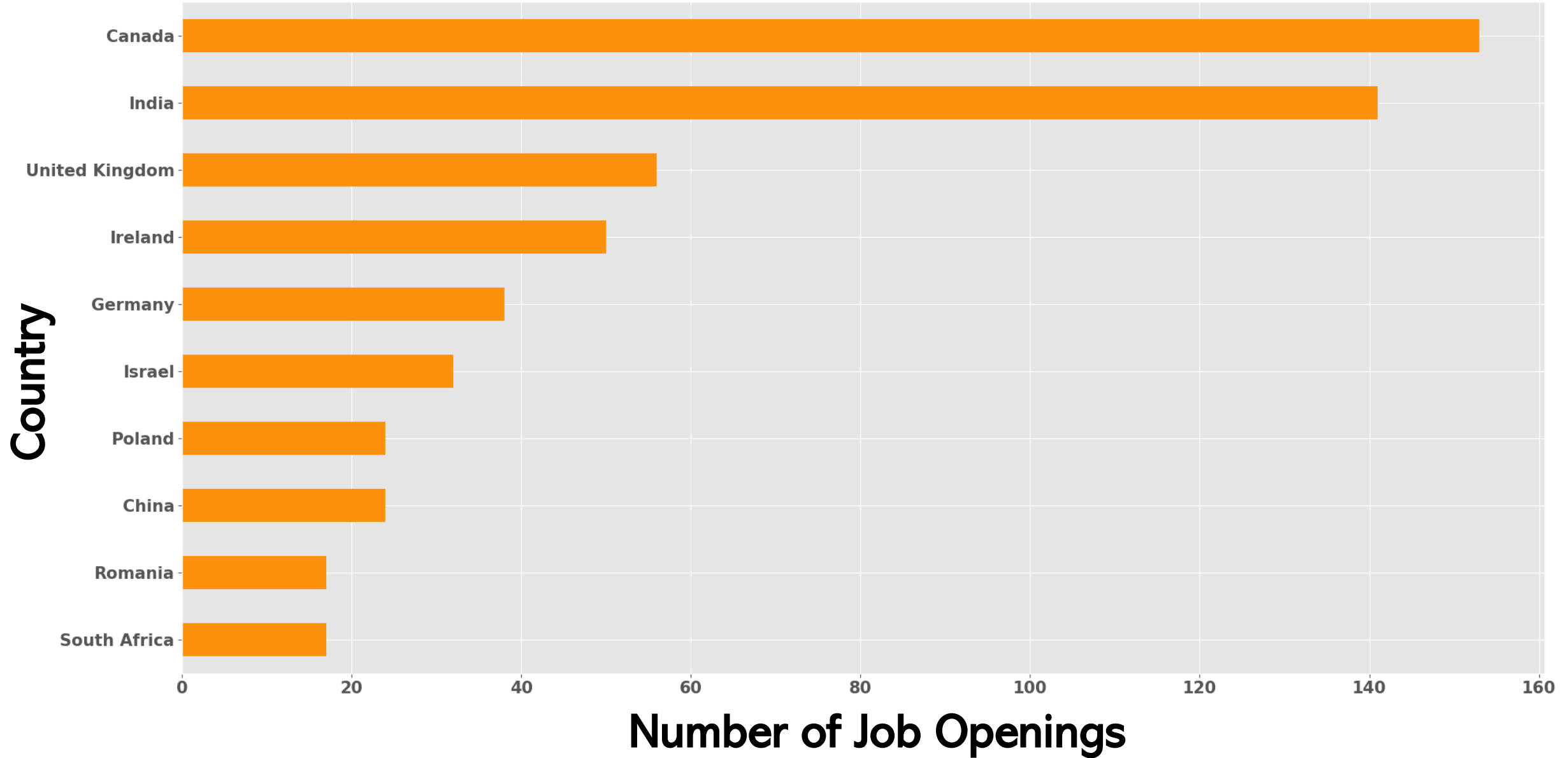
By Job Category →

By Major →

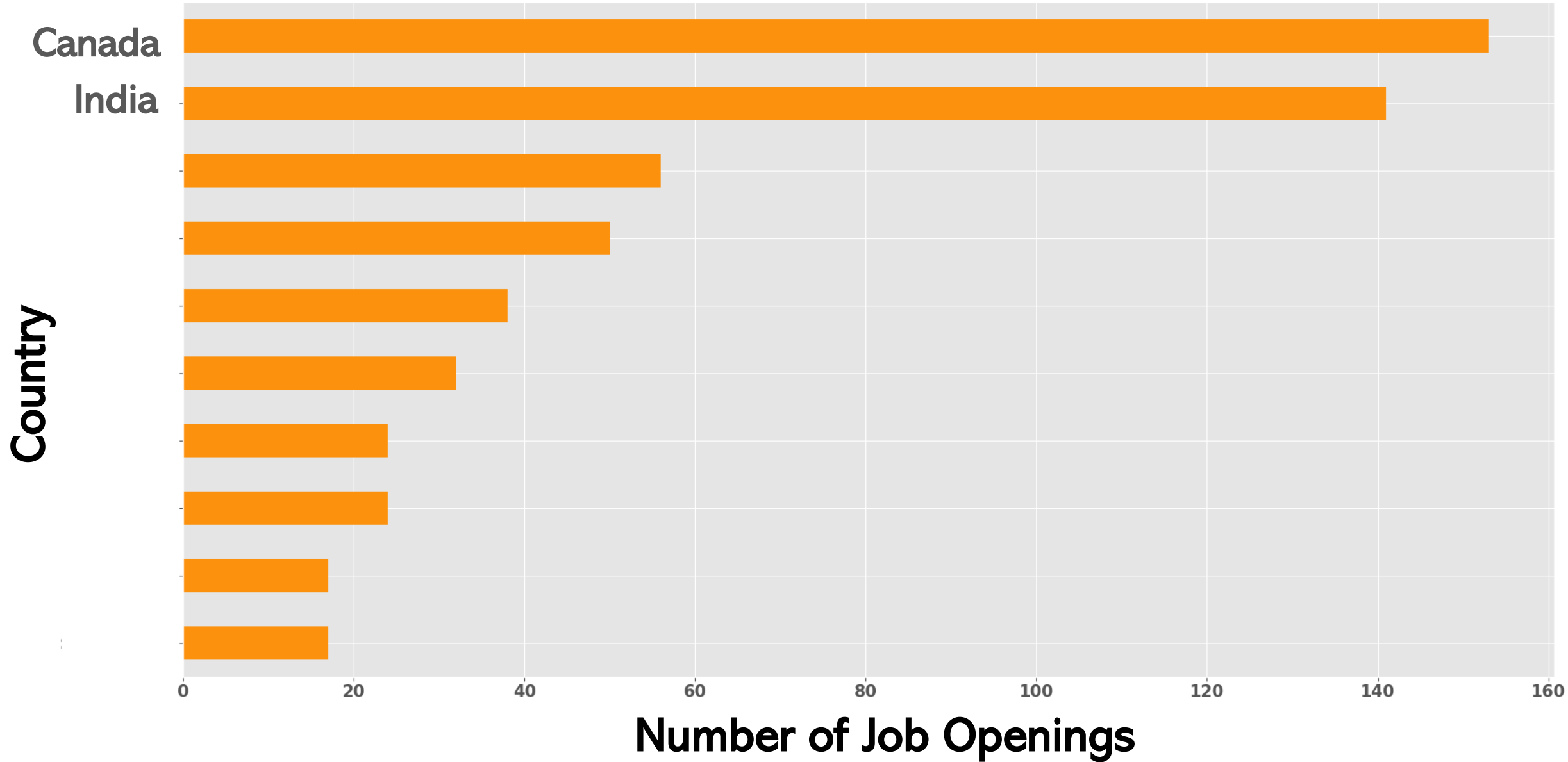
By Level of Qualification →

By Level of Experience →

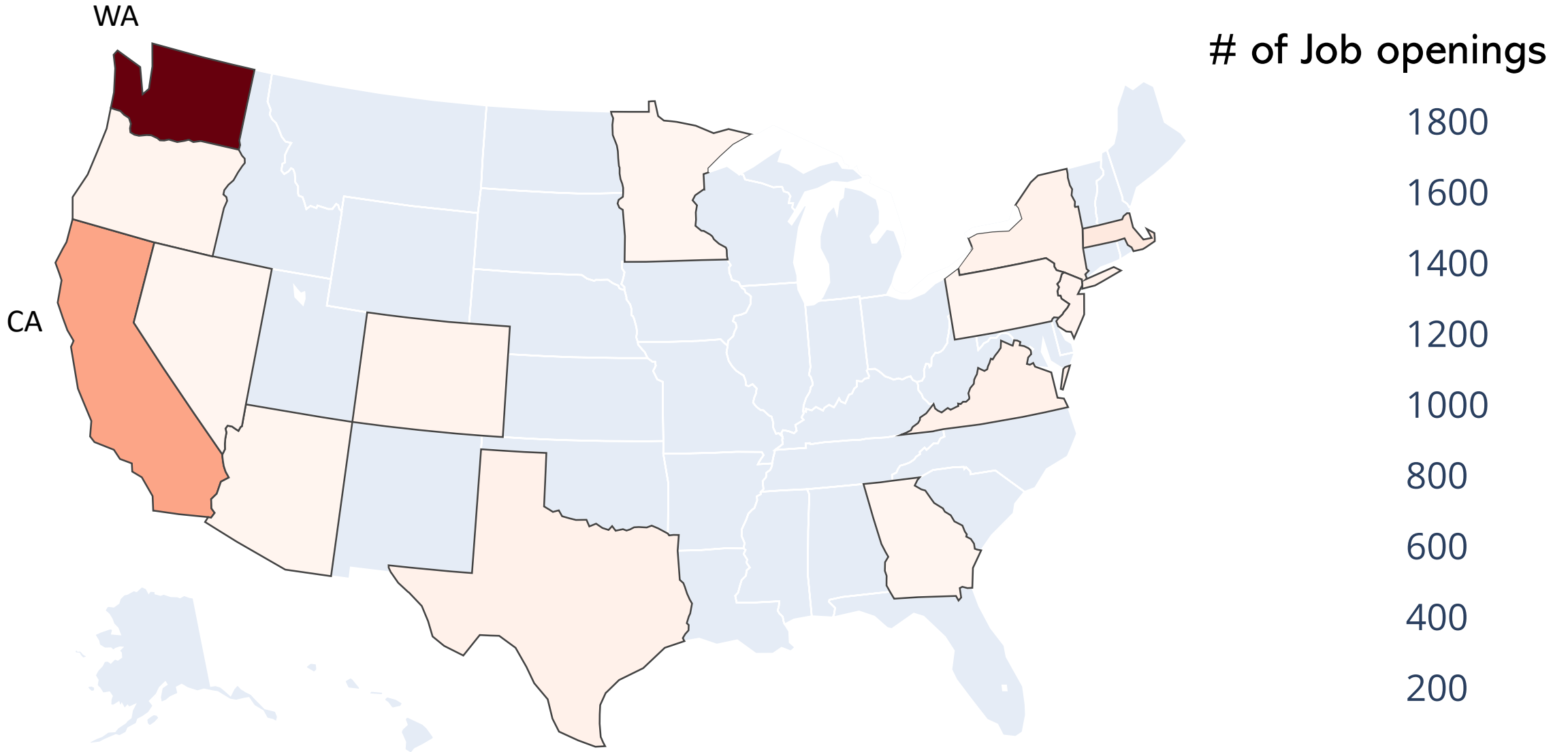
Job Locations outside USA - Amazon



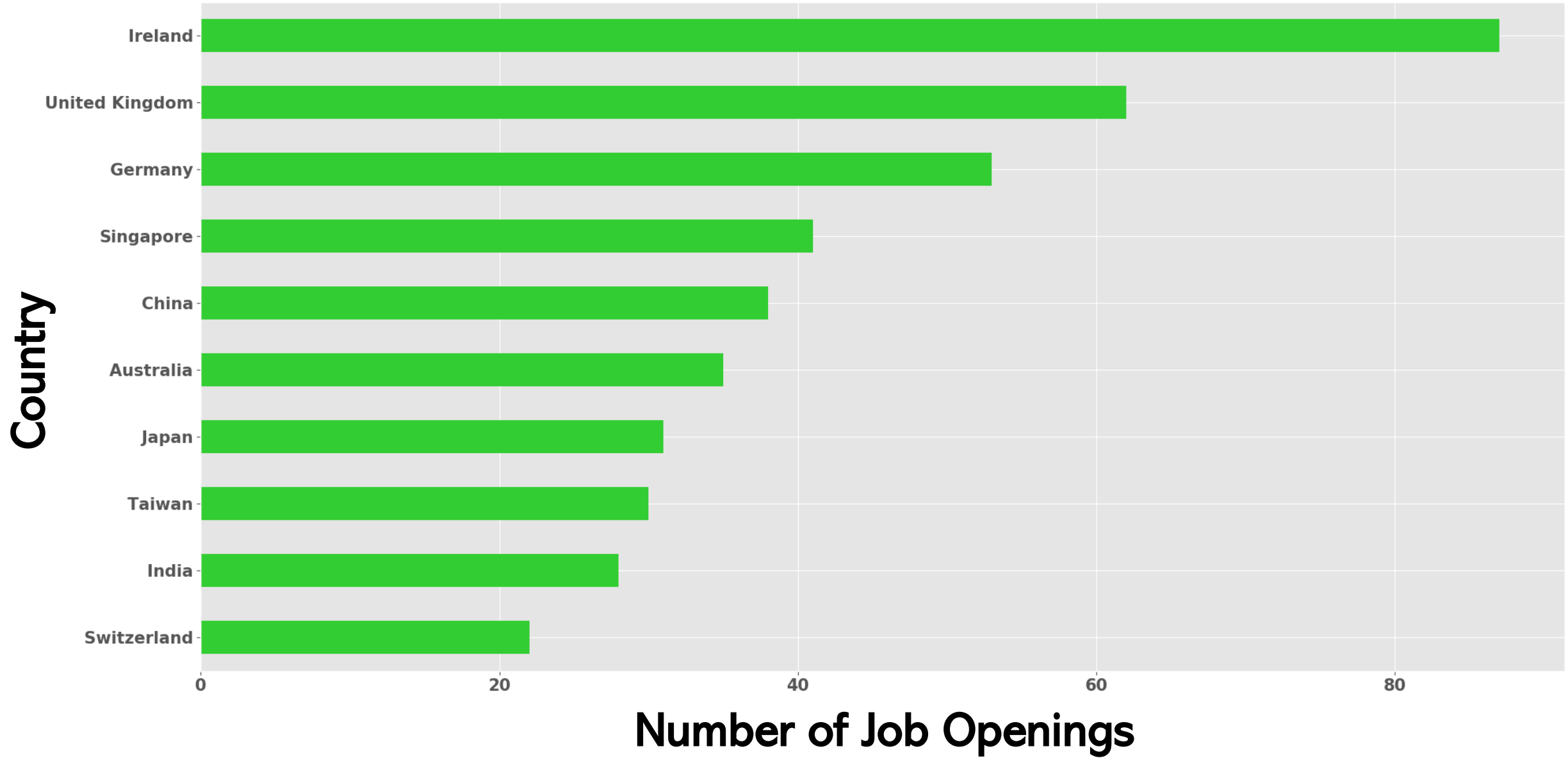
Job Locations outside USA - Amazon



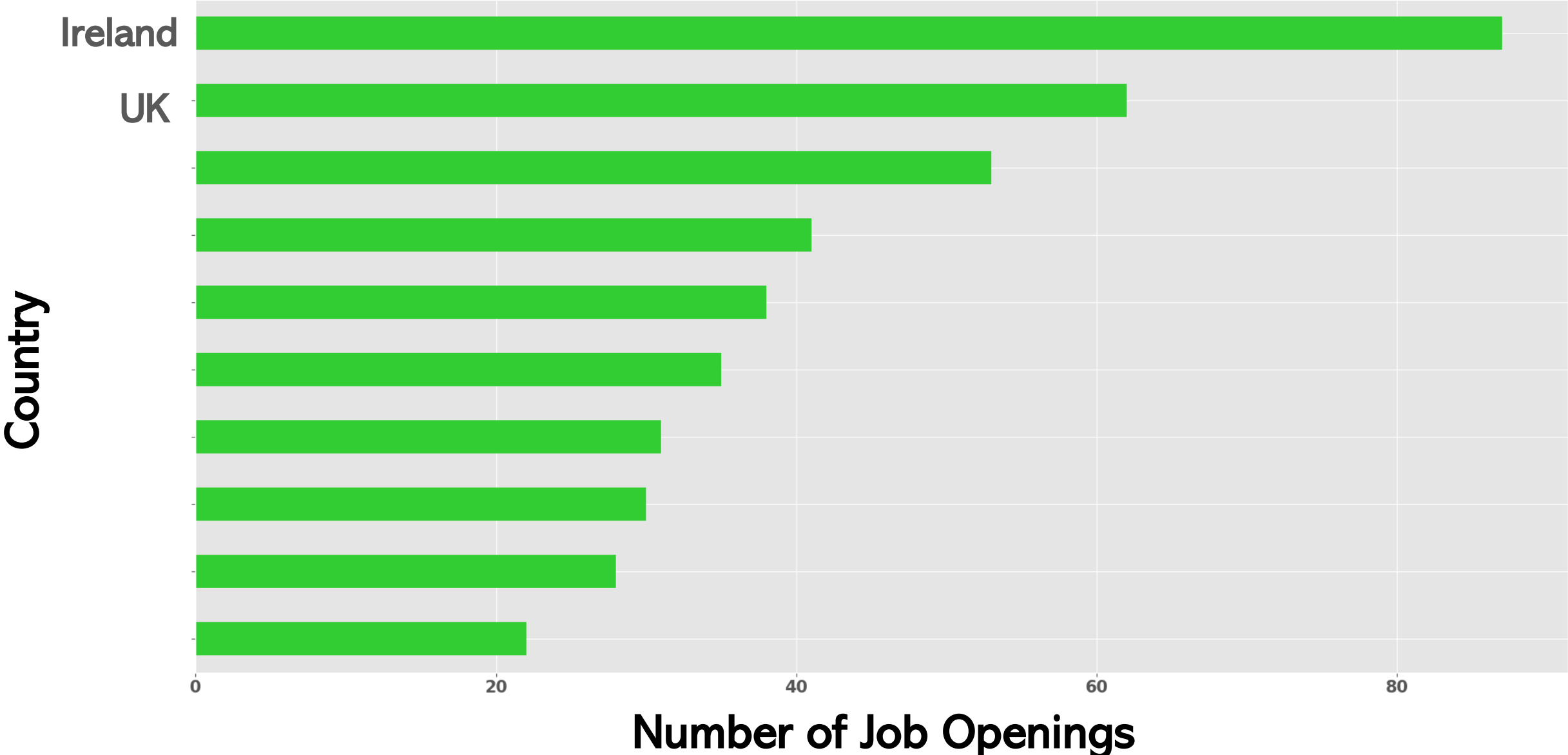
Job Locations all over USA - Amazon



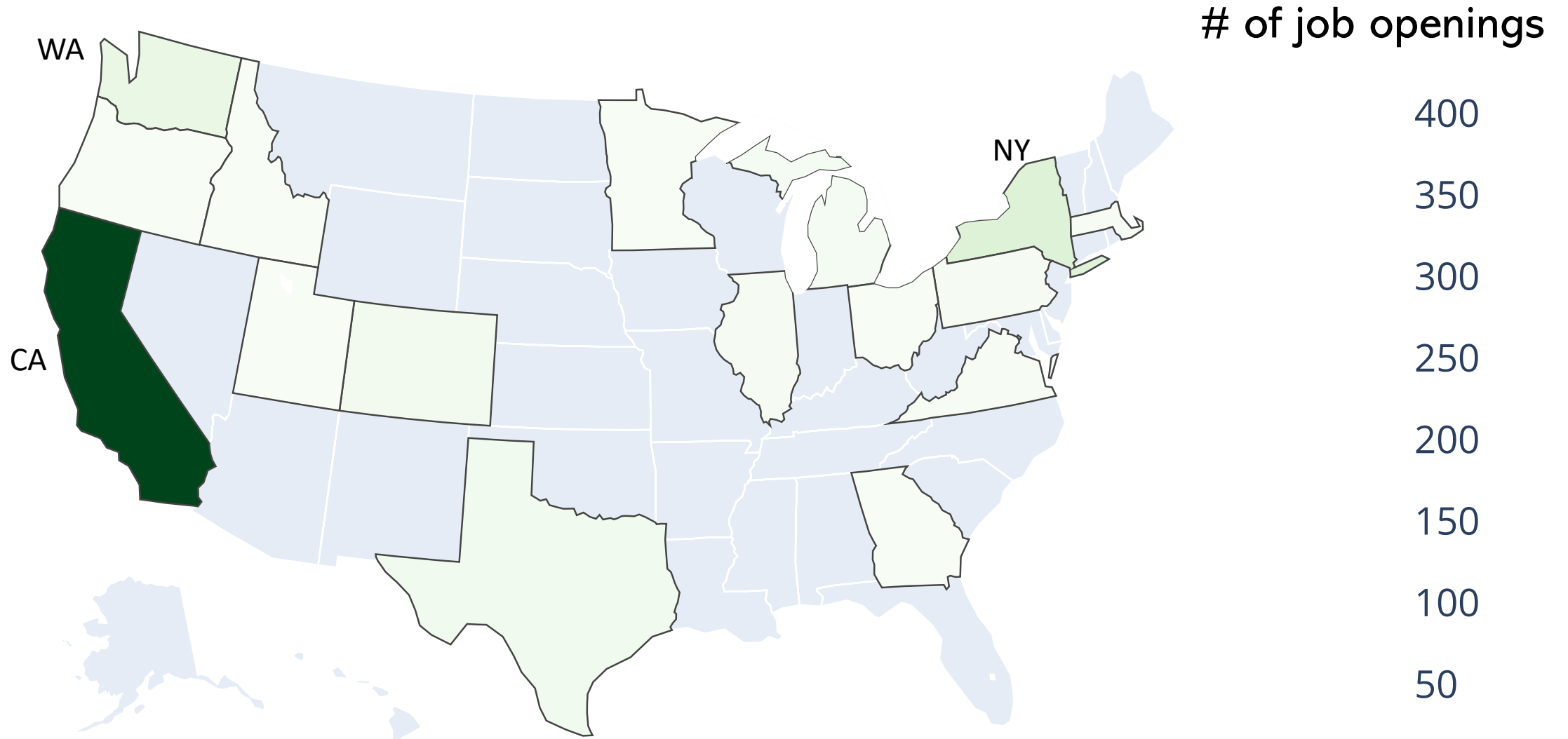
Job Locations outside USA - Google



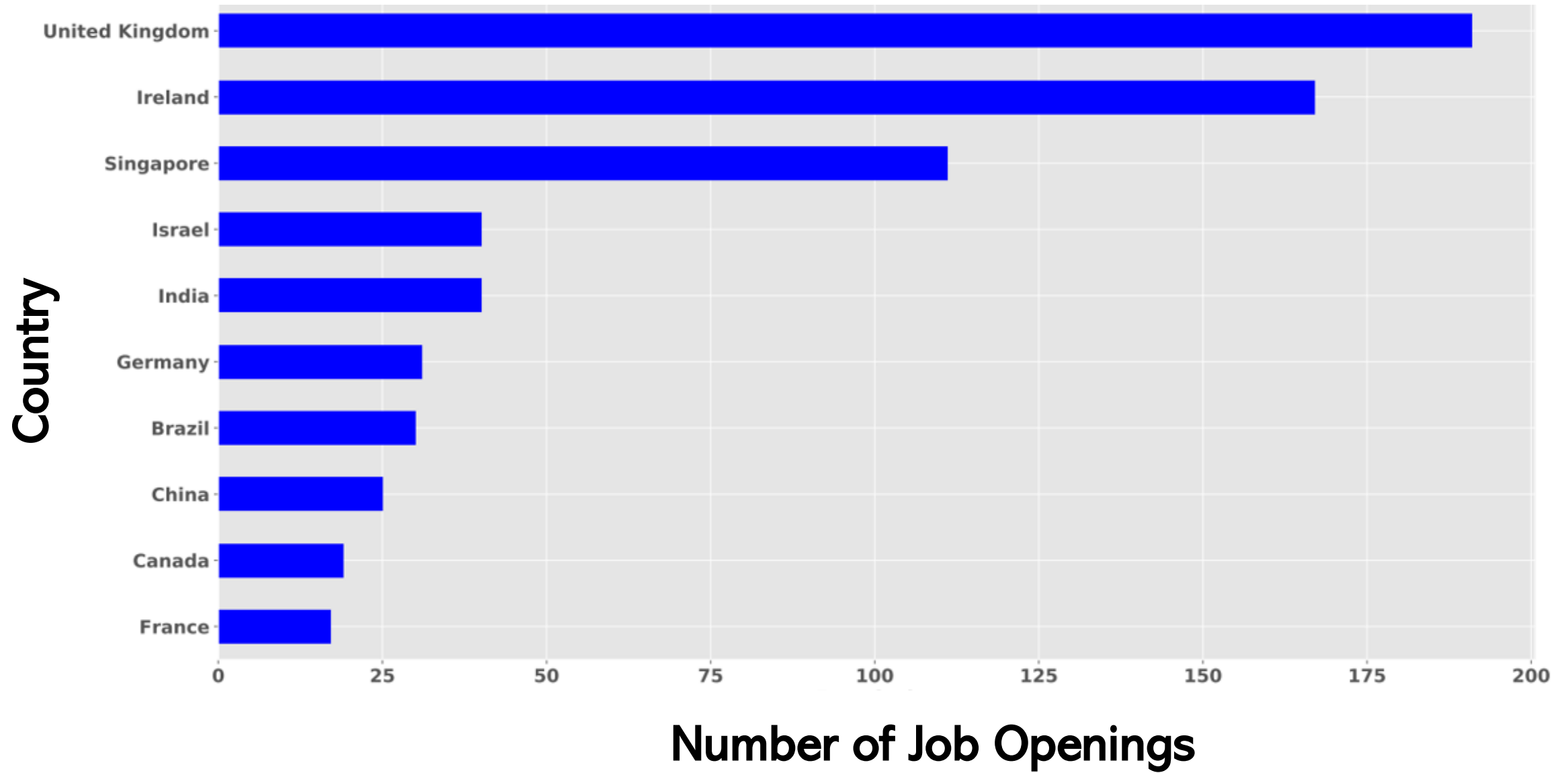
Job Locations outside USA - Google



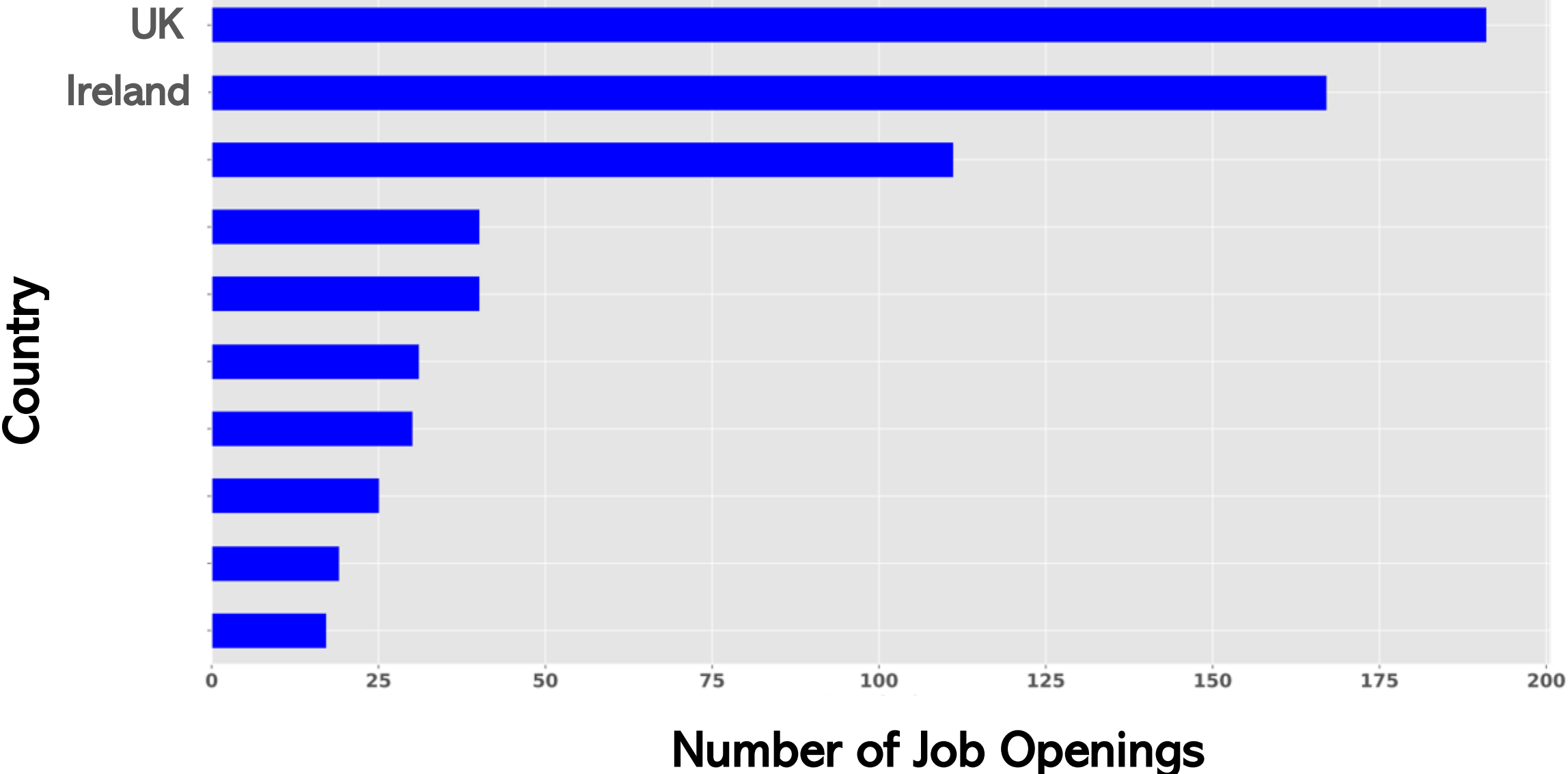
Job Locations all over USA - Google



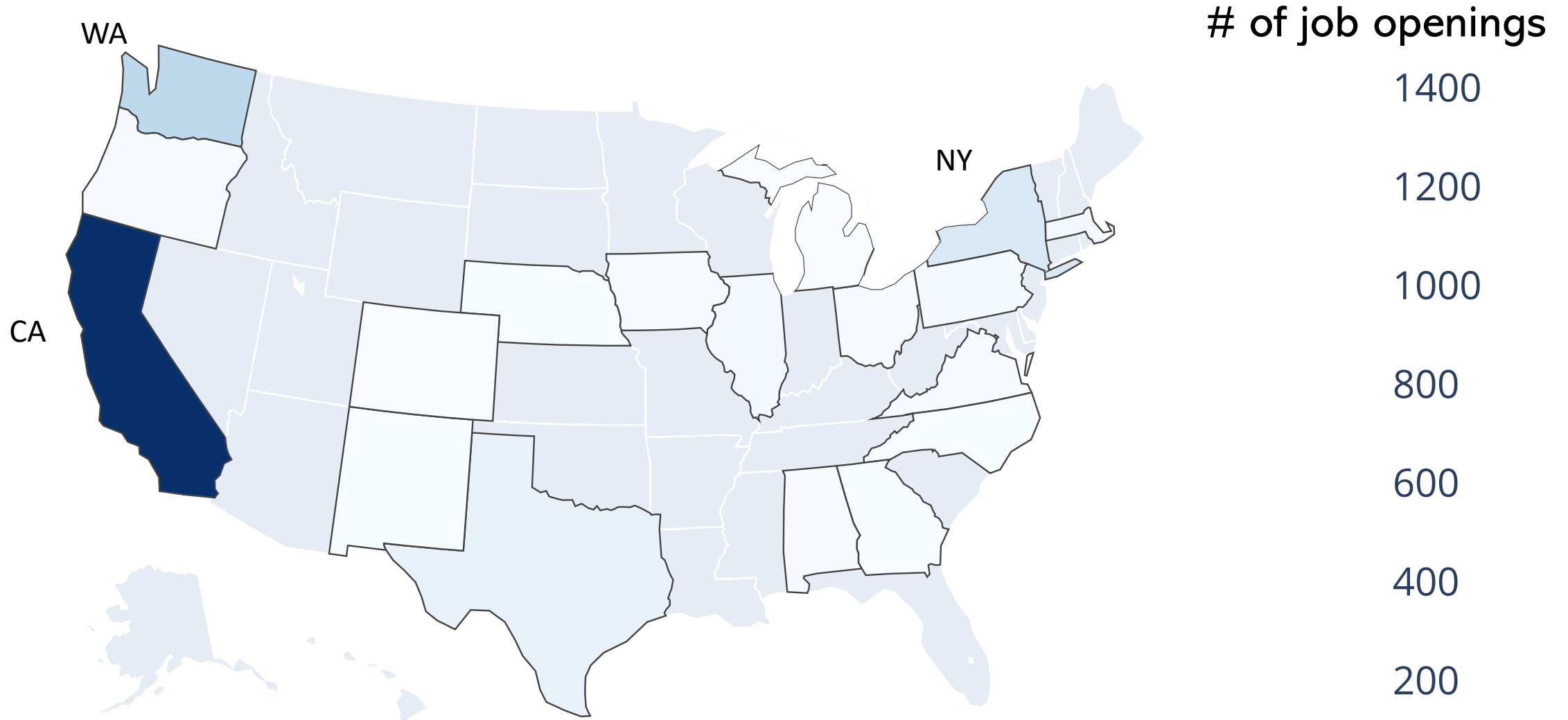
Job Locations outside USA - Facebook



Job Locations outside USA - Facebook



Job Locations all over USA - Facebook



Filter

Reset Filter

By Location →

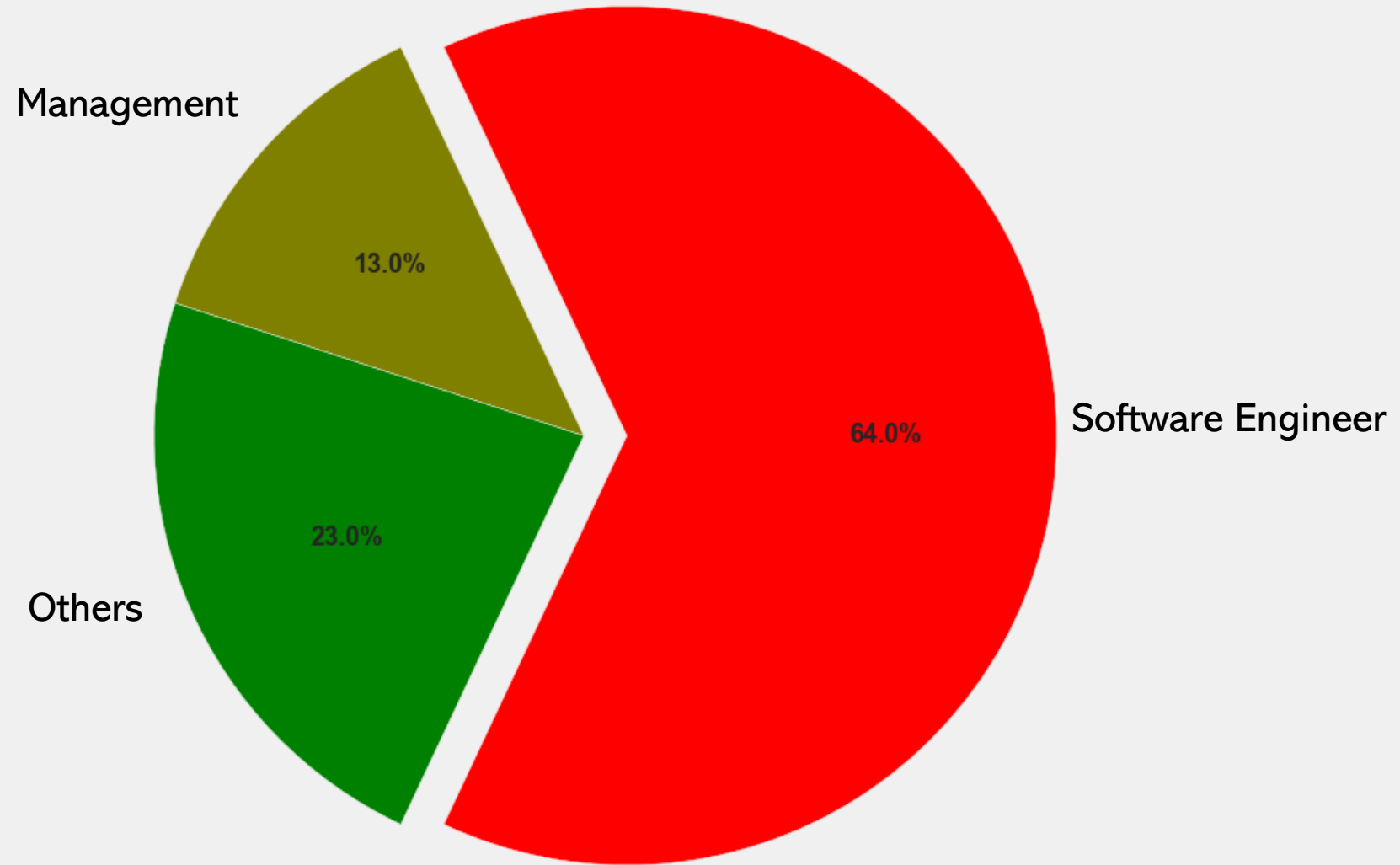
By Job Category →

By Major →

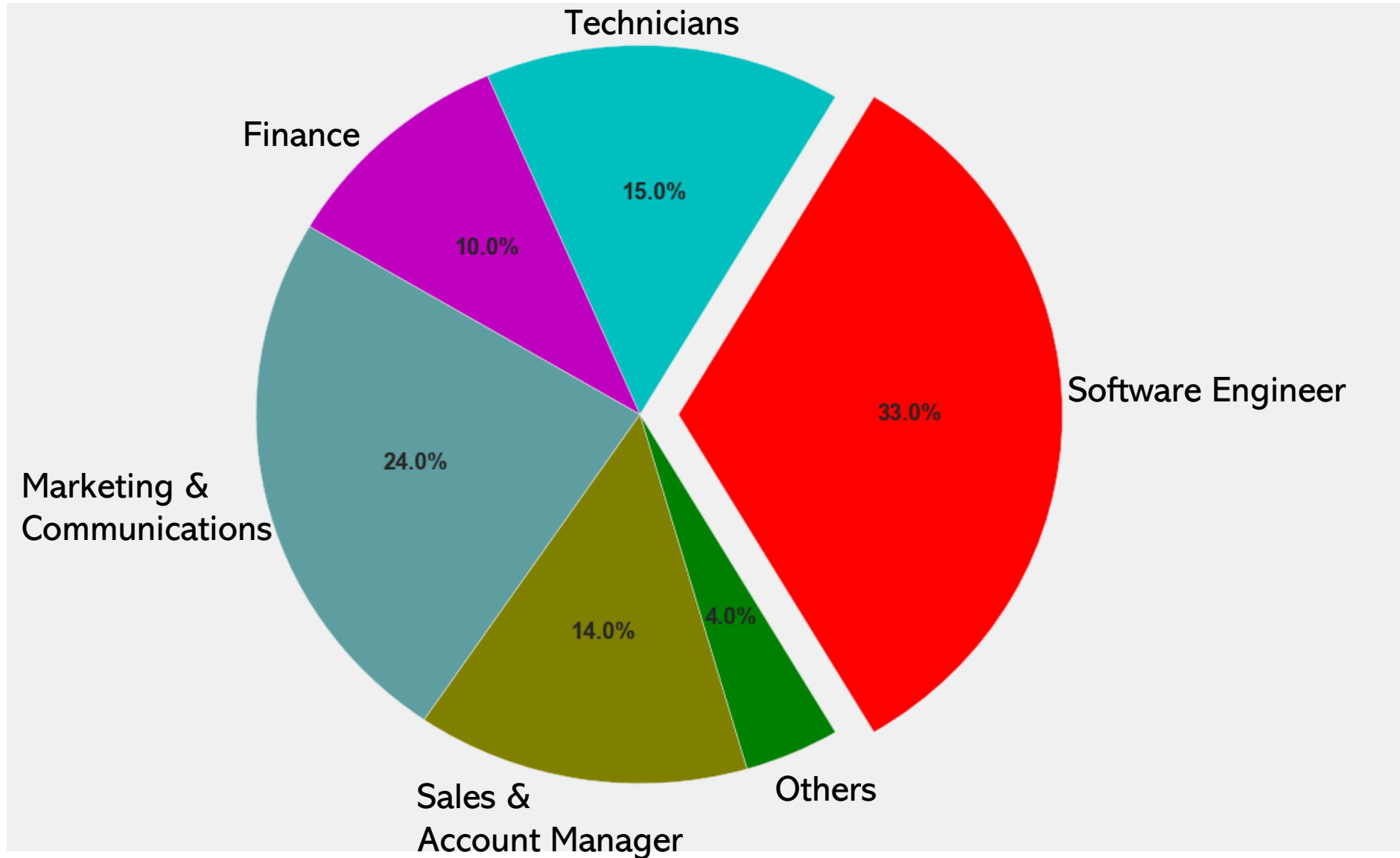
By Level of Qualification →

By Level of Experience →

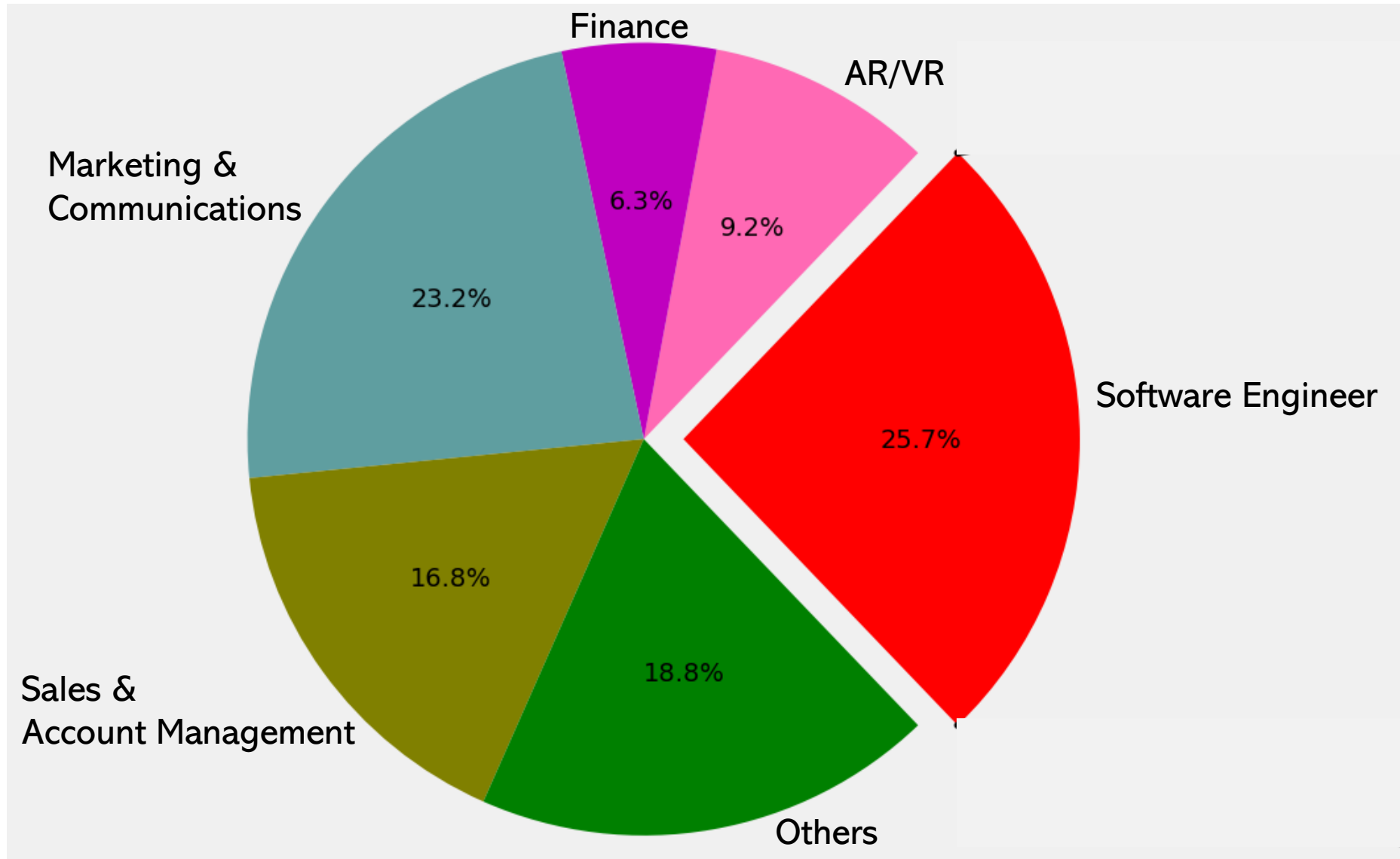
Job Category Distribution - Amazon



Job Category Distribution - Google



Job Category Distribution - Facebook



Filter

Reset Filter

By Location →

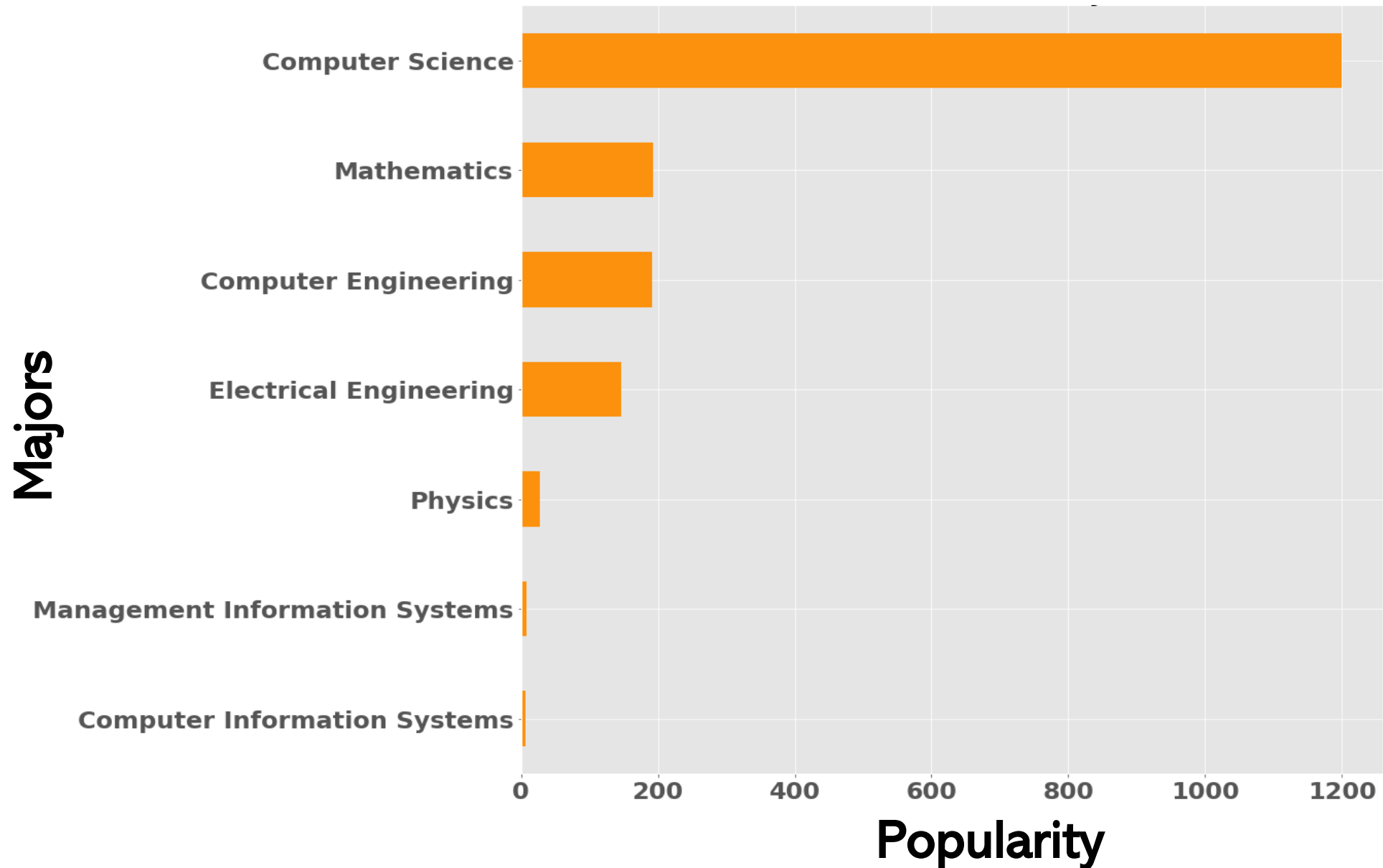
By Job Category →

By Major →

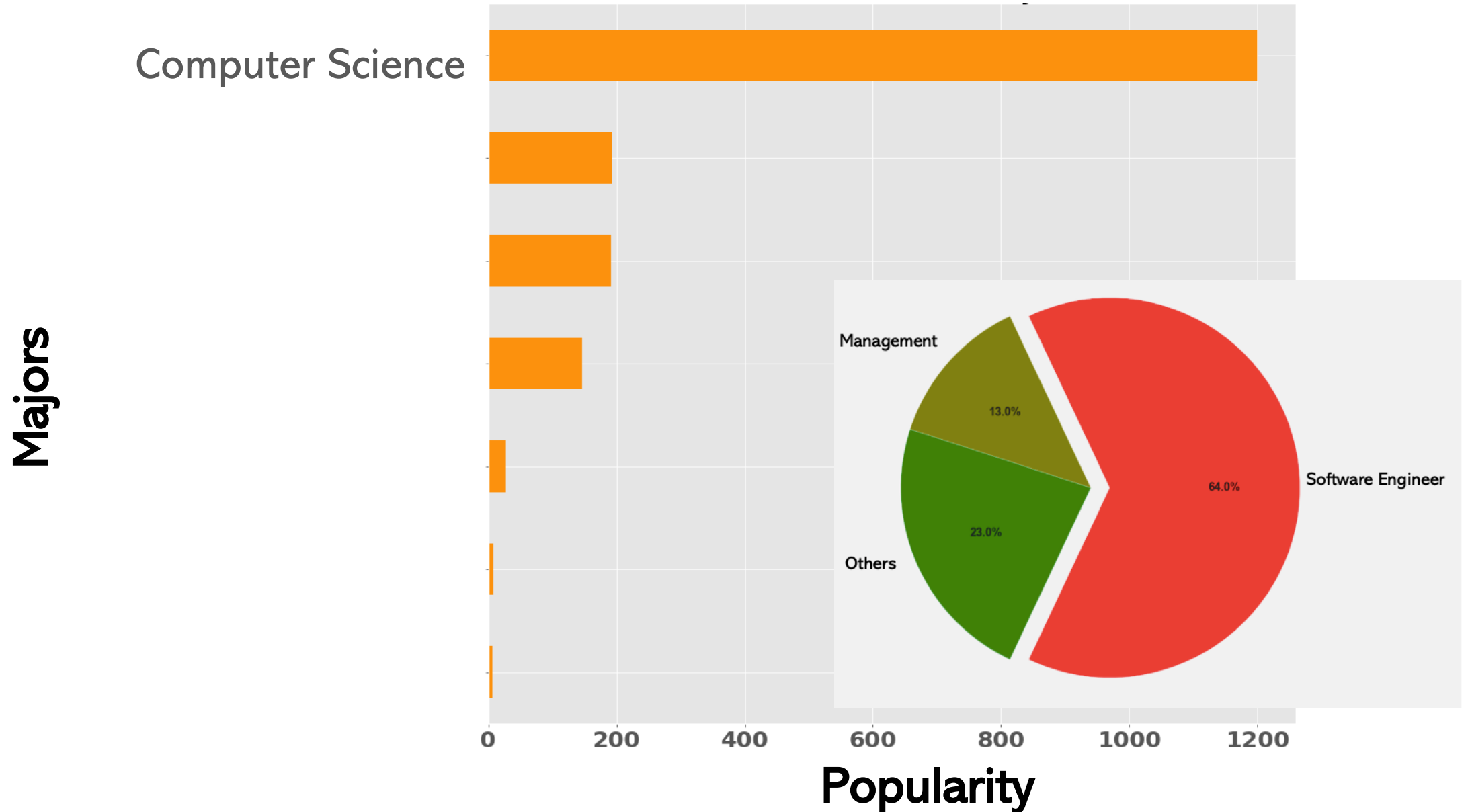
By Level of Qualification →

By Level of Experience →

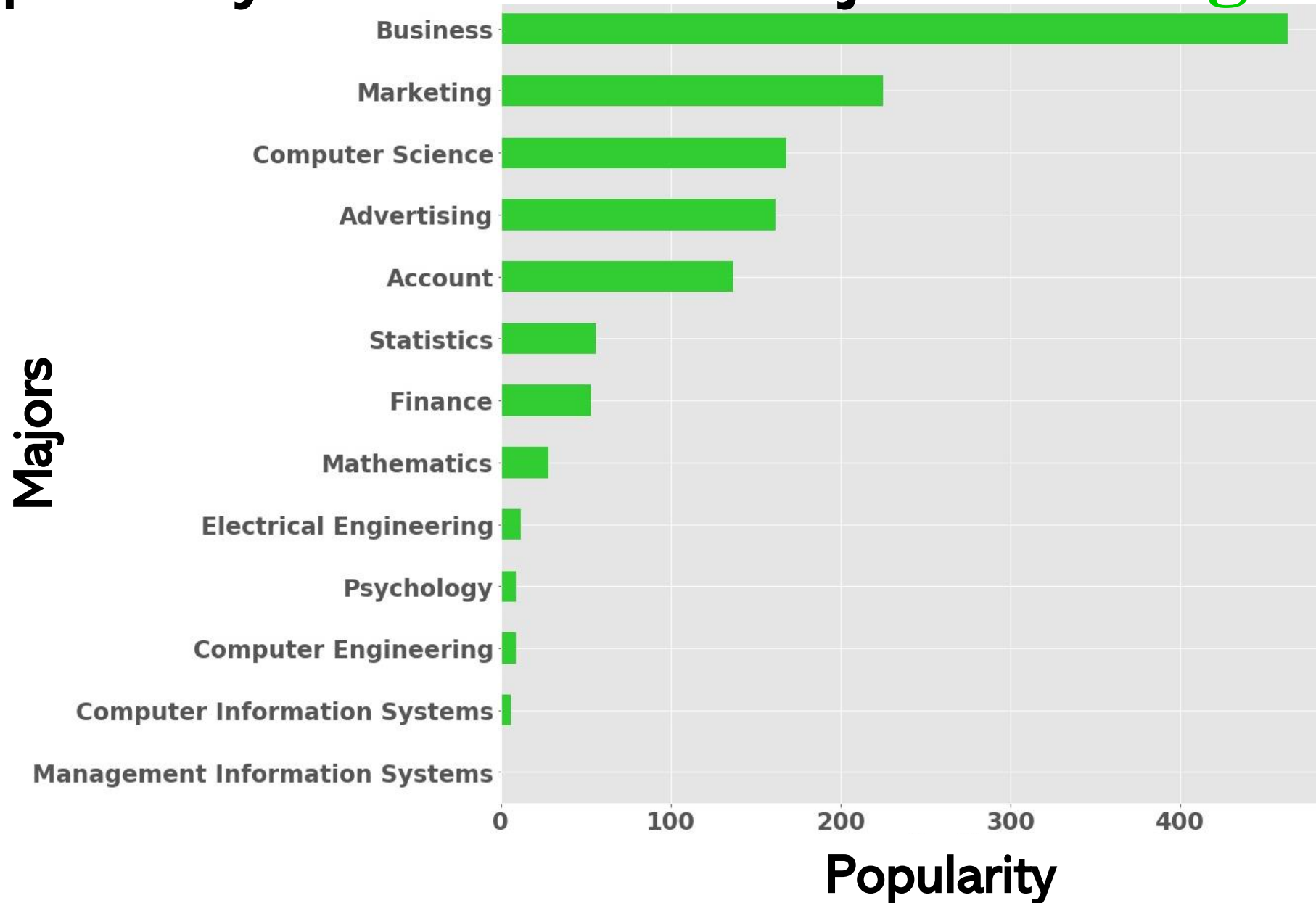
Popularity of Different Majors - Amazon



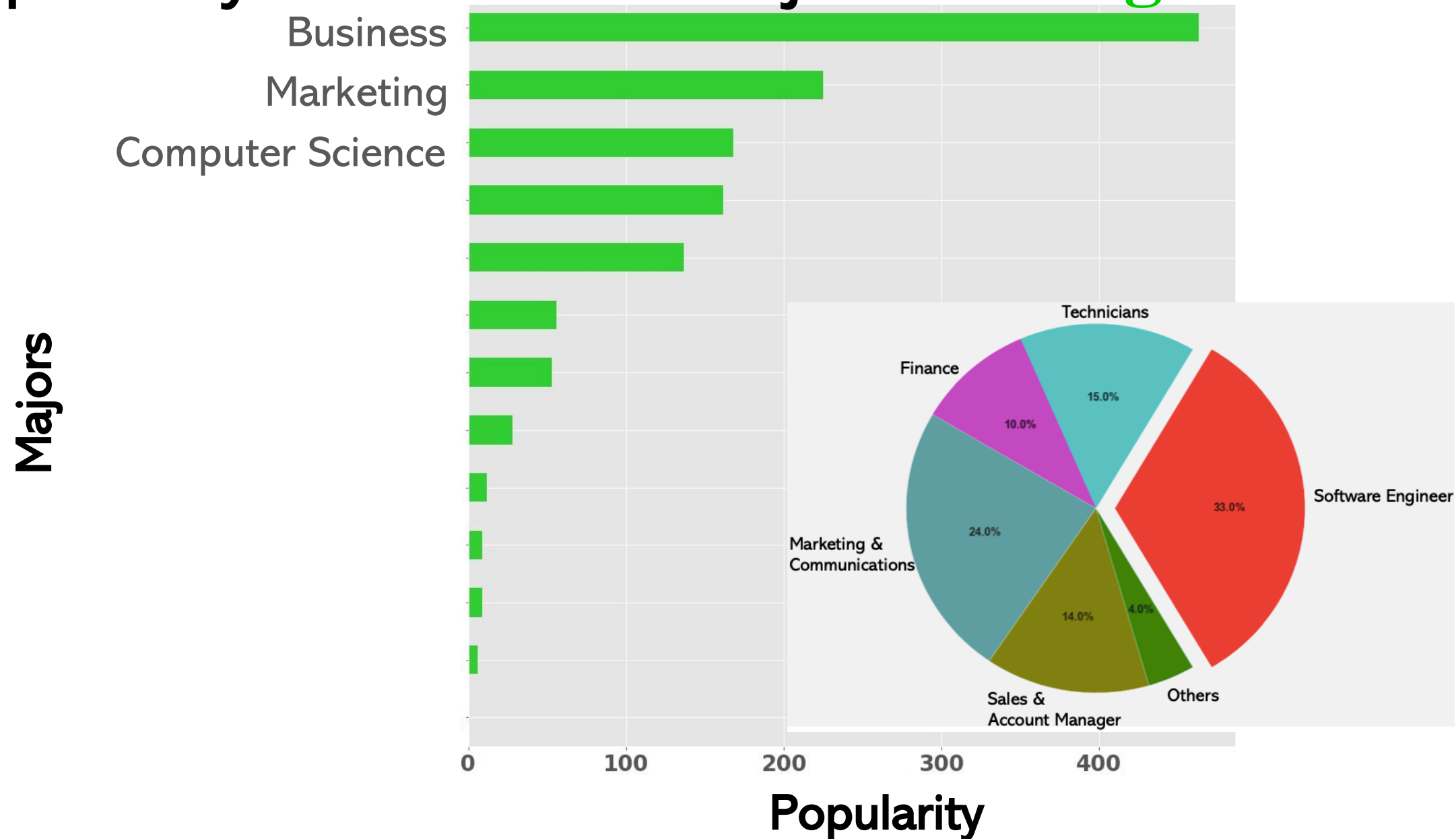
Popularity of Different Majors - Amazon



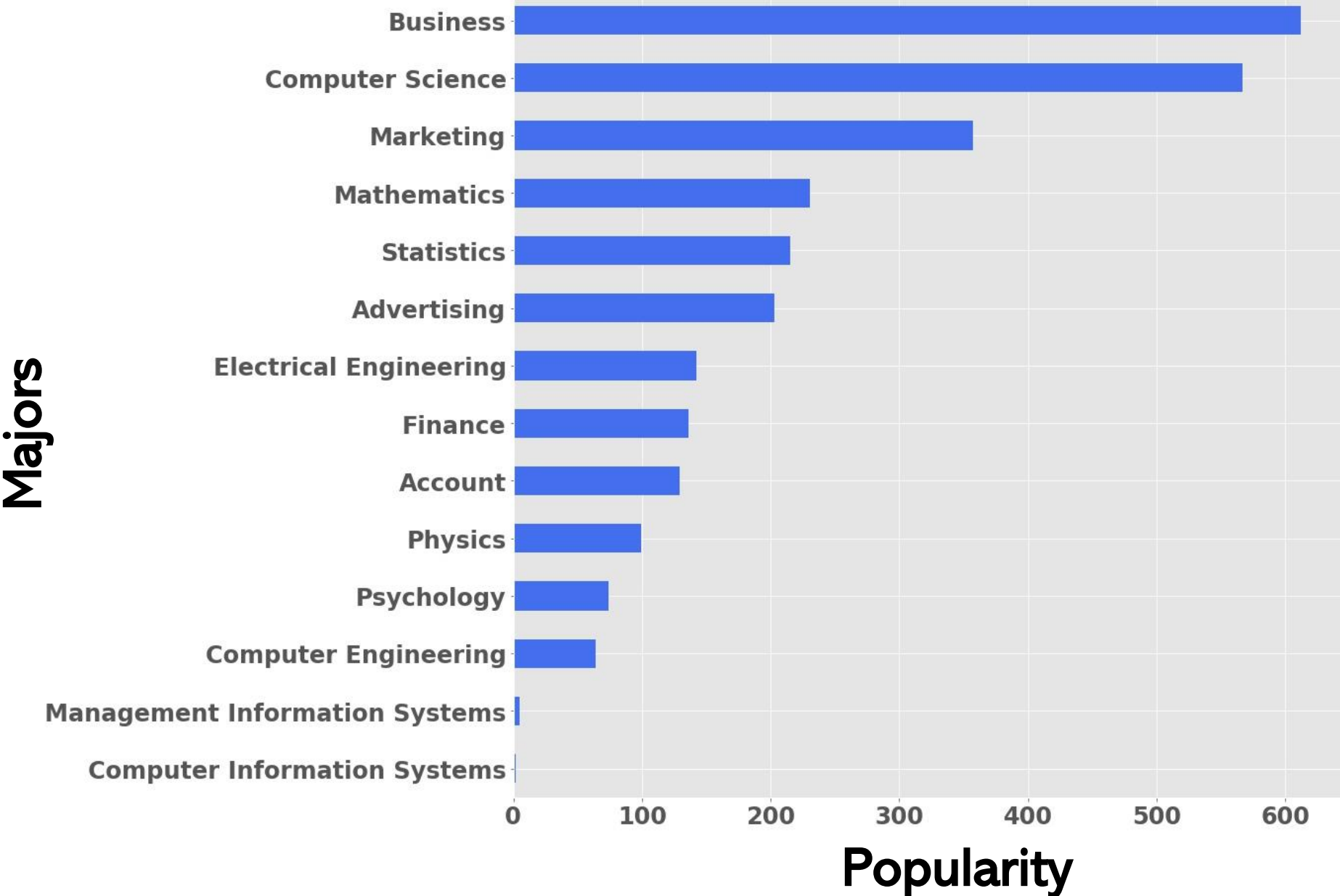
Popularity of Different Majors - Google



Popularity of Different Majors - Google

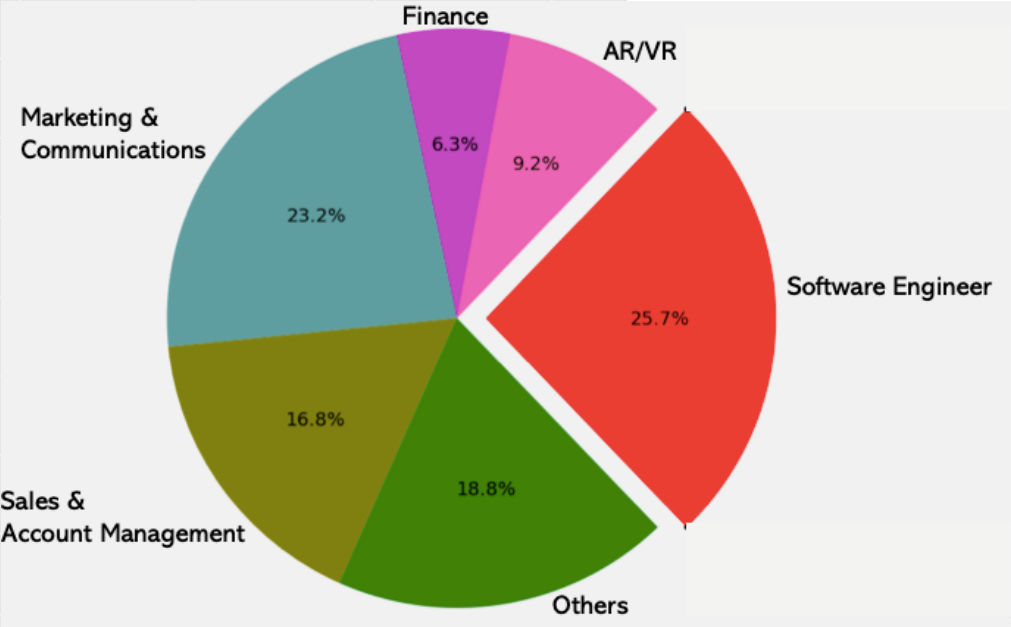
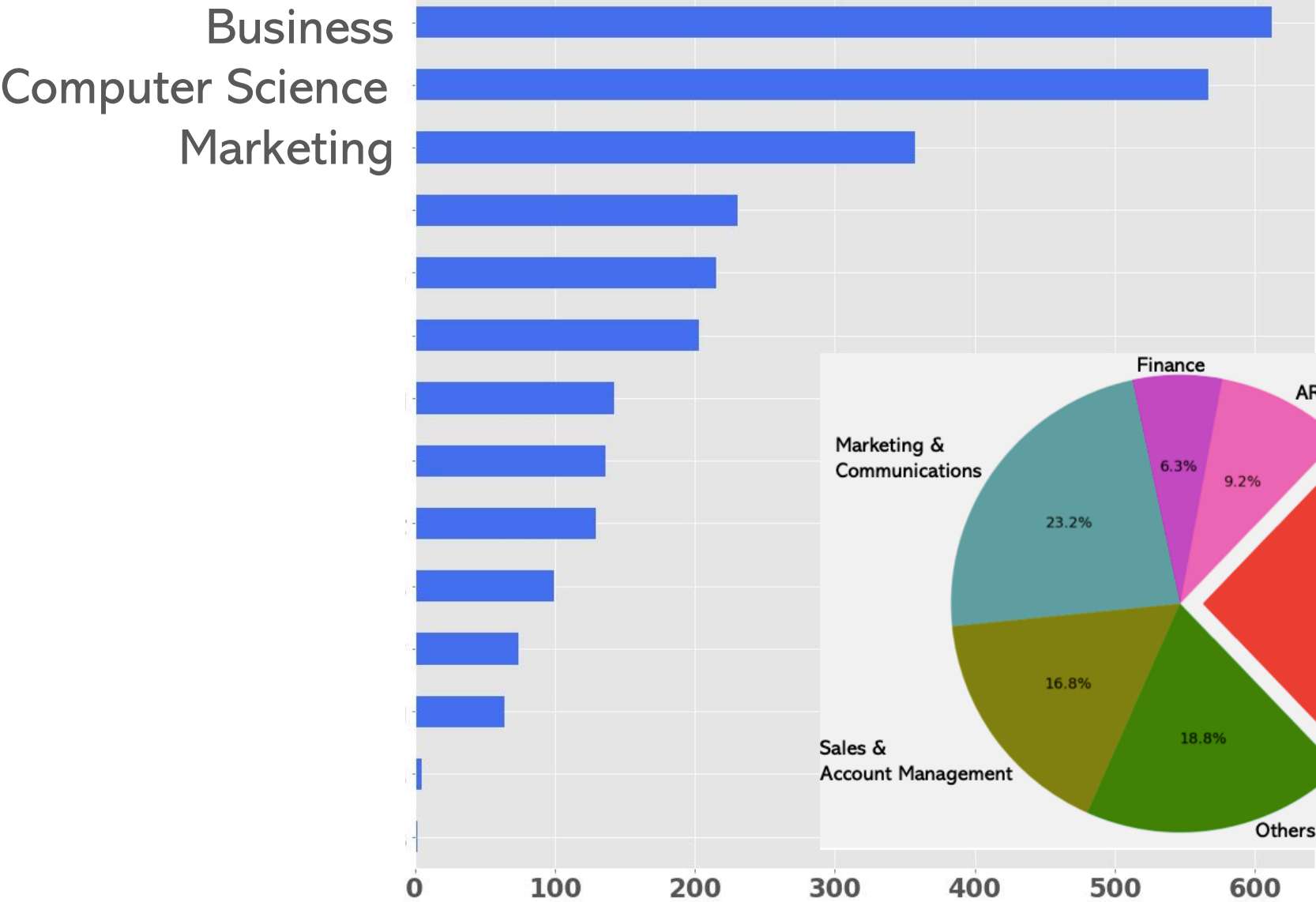


Popularity of Different Majors - Facebook



Popularity of Different Majors - Facebook

Majors



Popularity

Filter

Reset Filter

By Location →

By Job Category →

By Major →

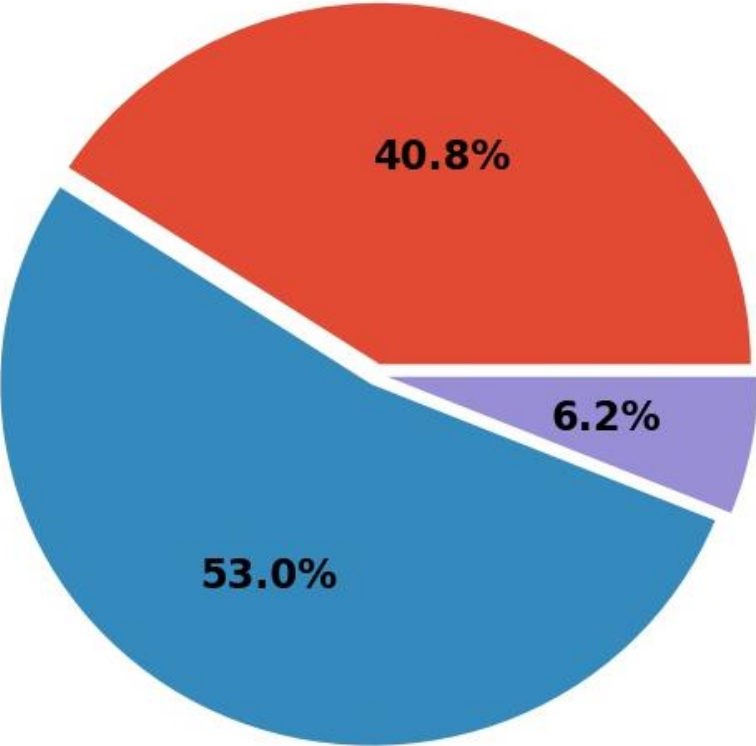
By Level of Qualification →

By Level of Experience →

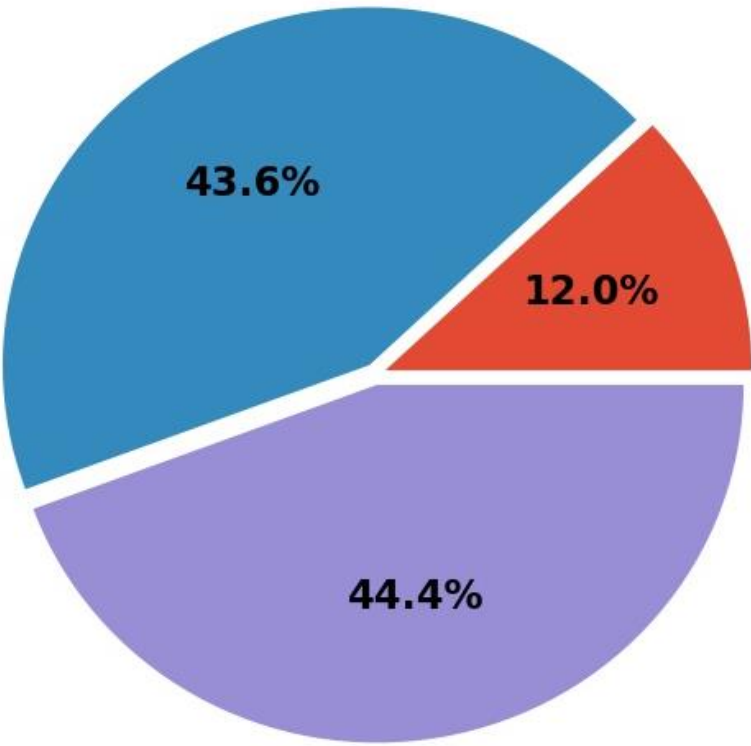
Preferred Level of Qualification



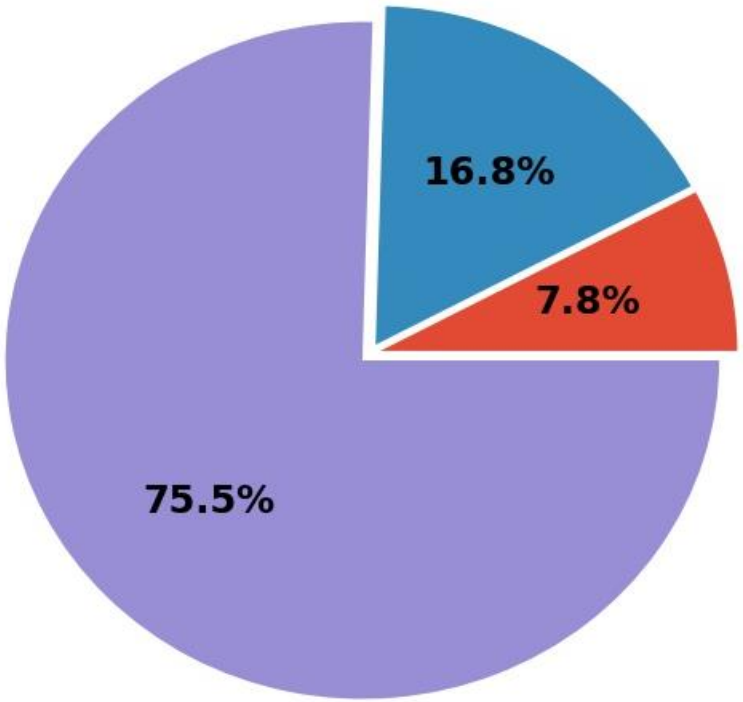
Amazon



Google



Facebook



Filter

Reset Filter

By Location →

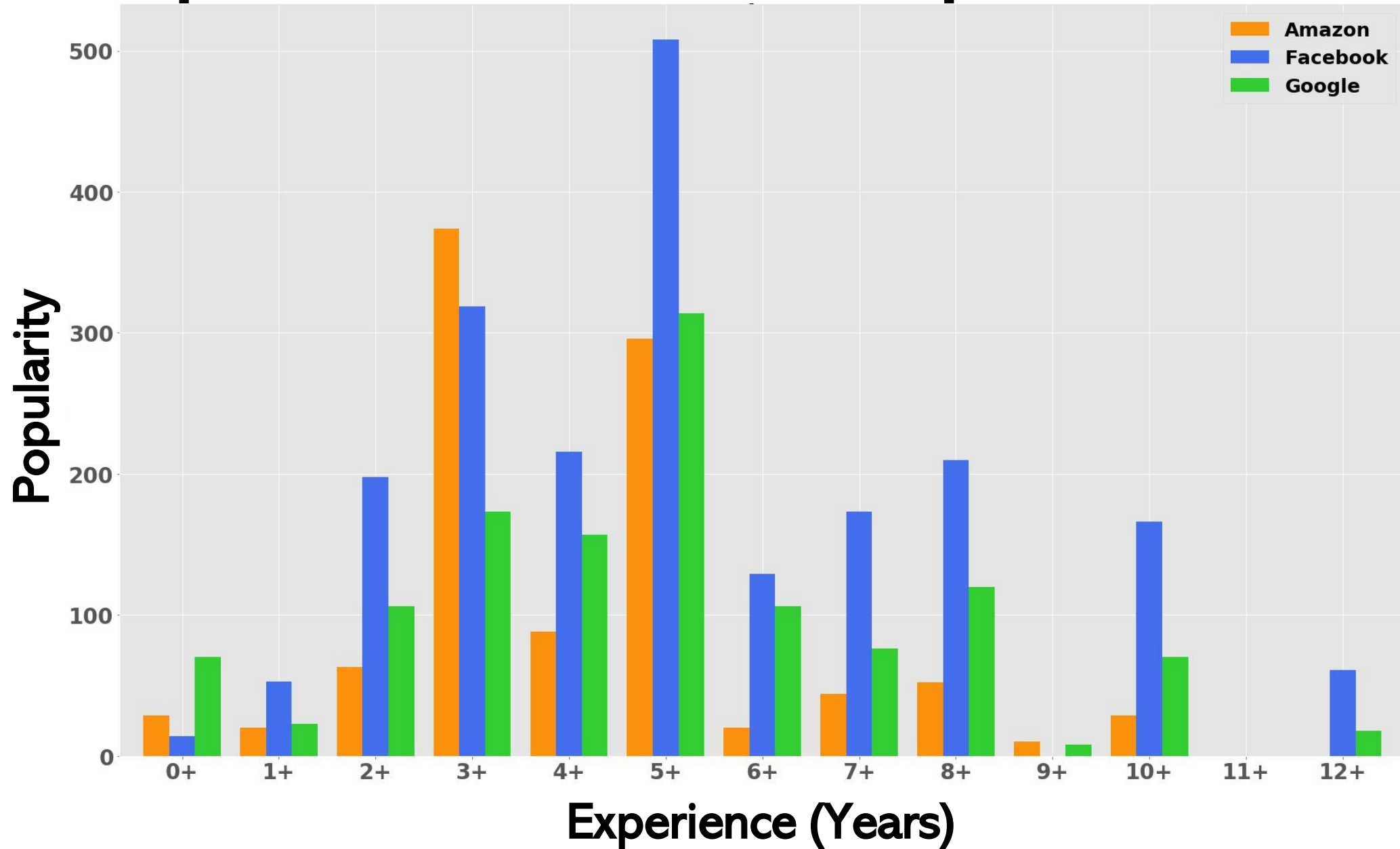
By Job Category →

By Major →

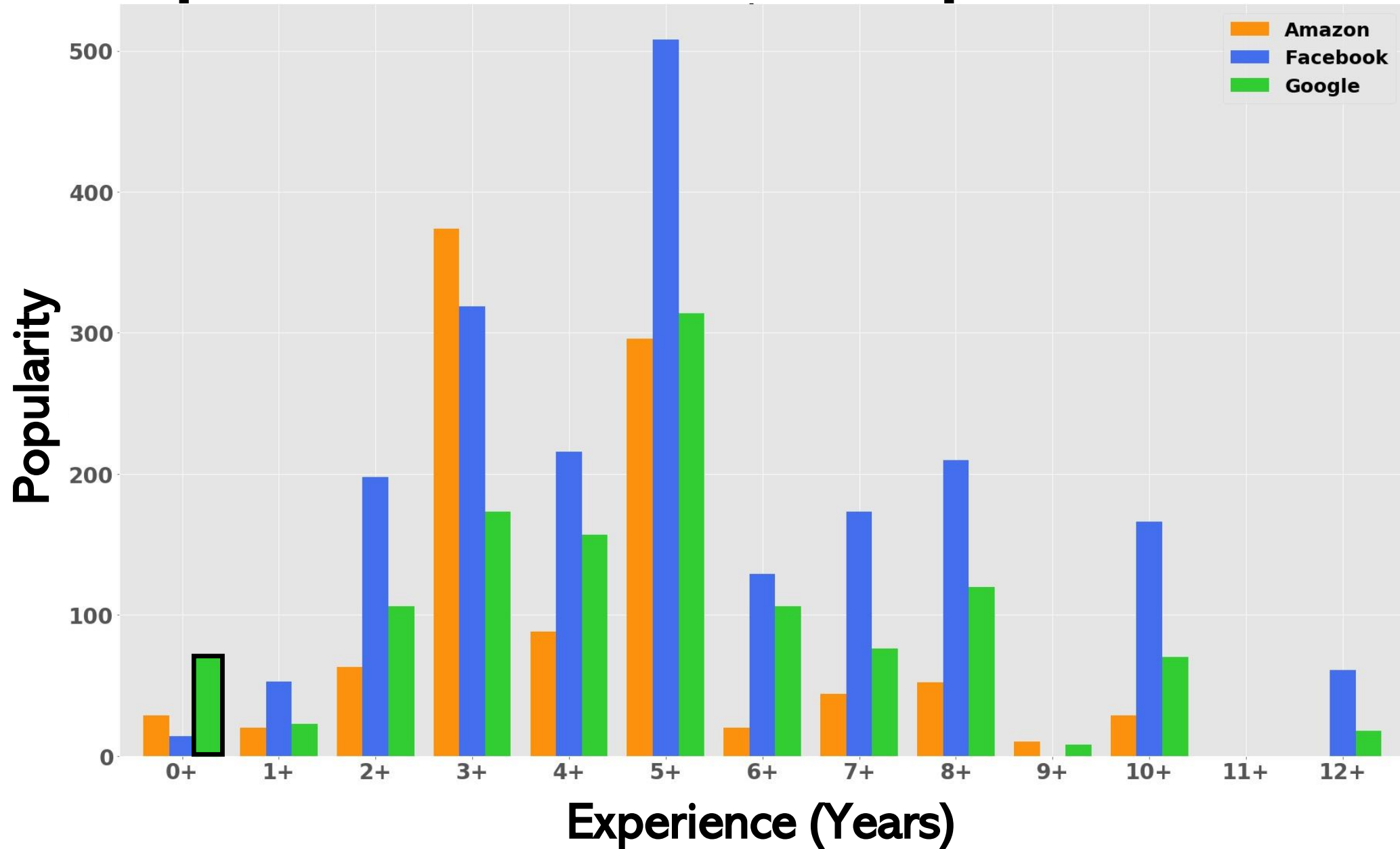
By Level of Qualification →

By Level of Experience →

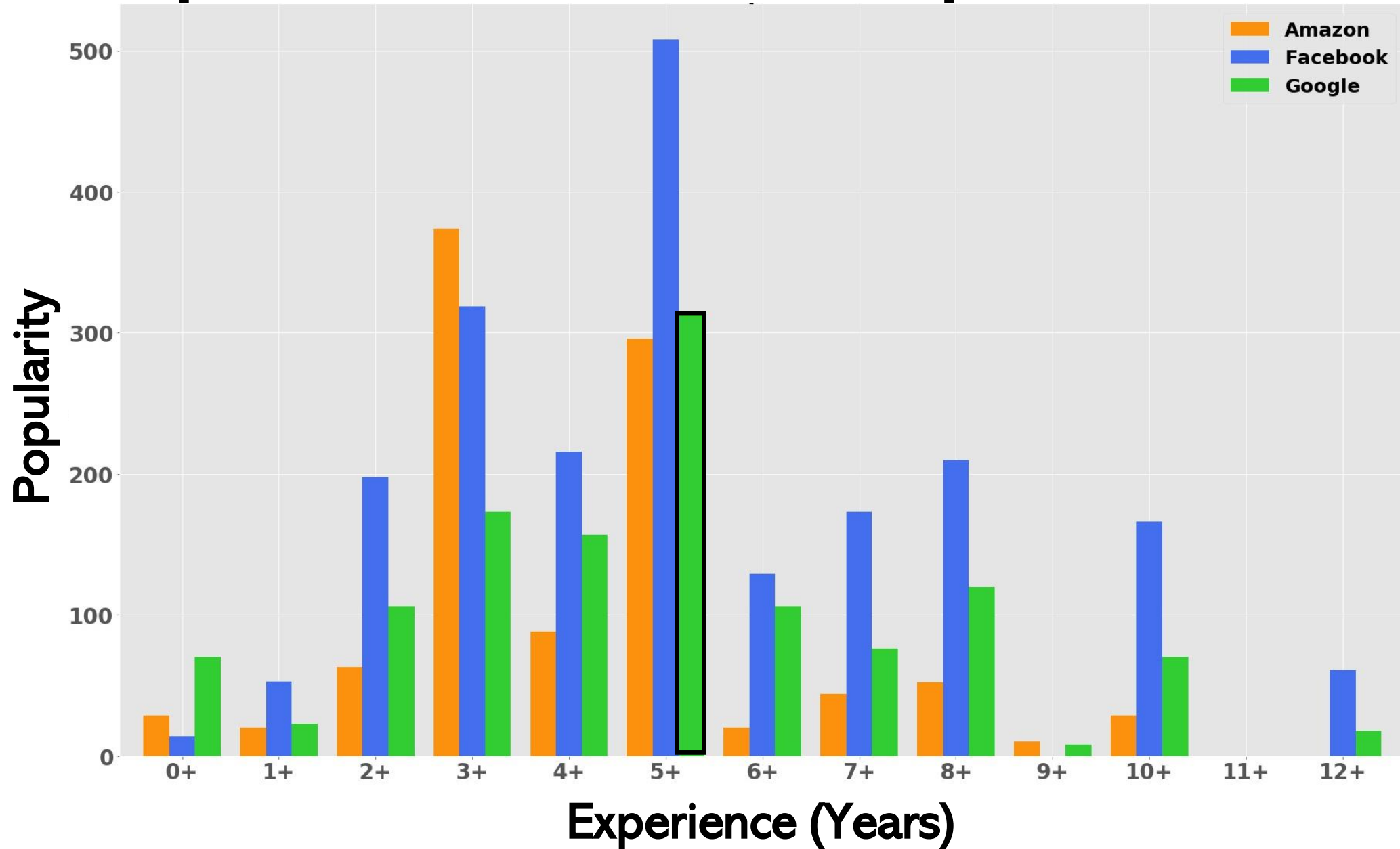
Comparison of Preferred Experience Level



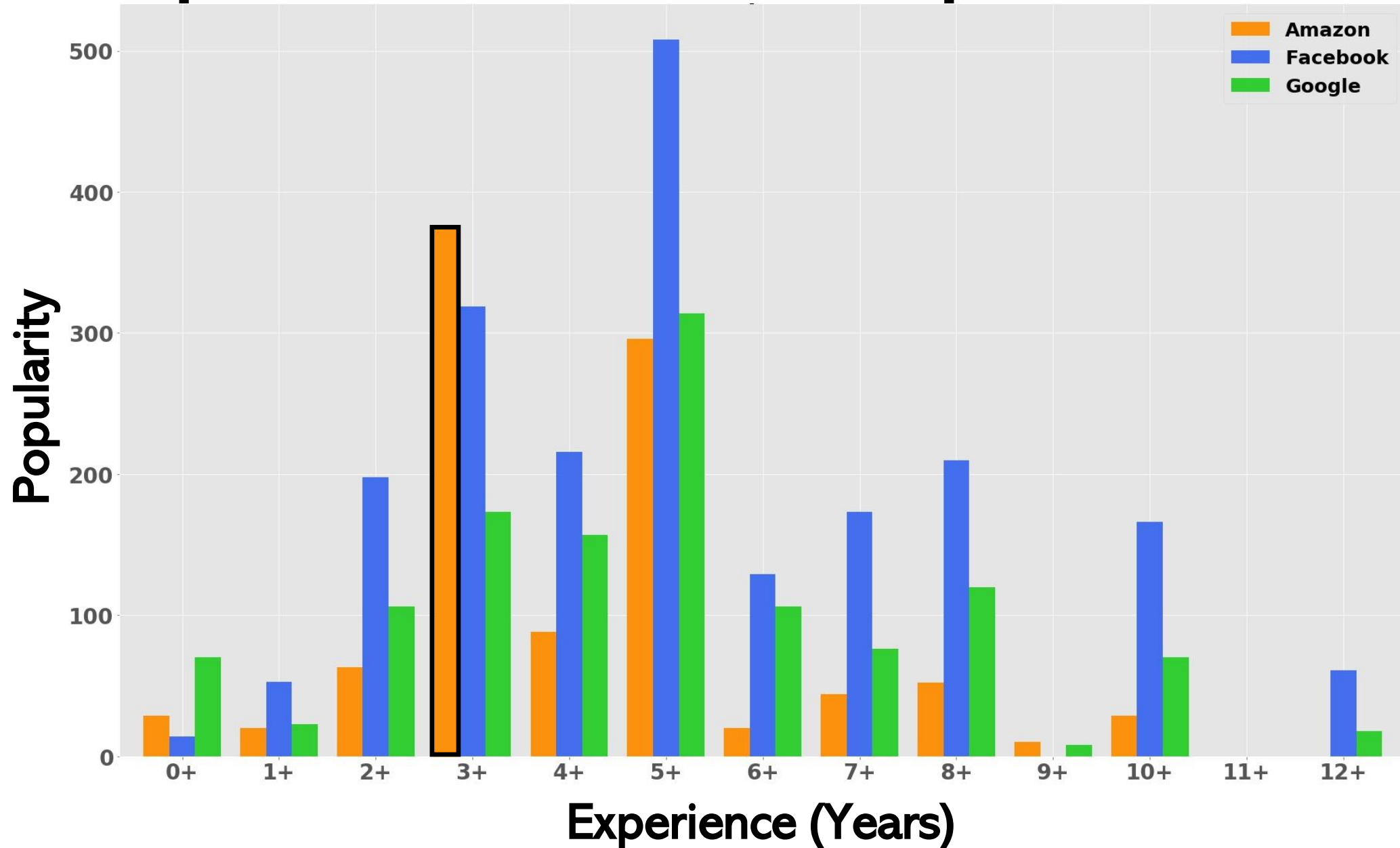
Comparison of Preferred Experience Level



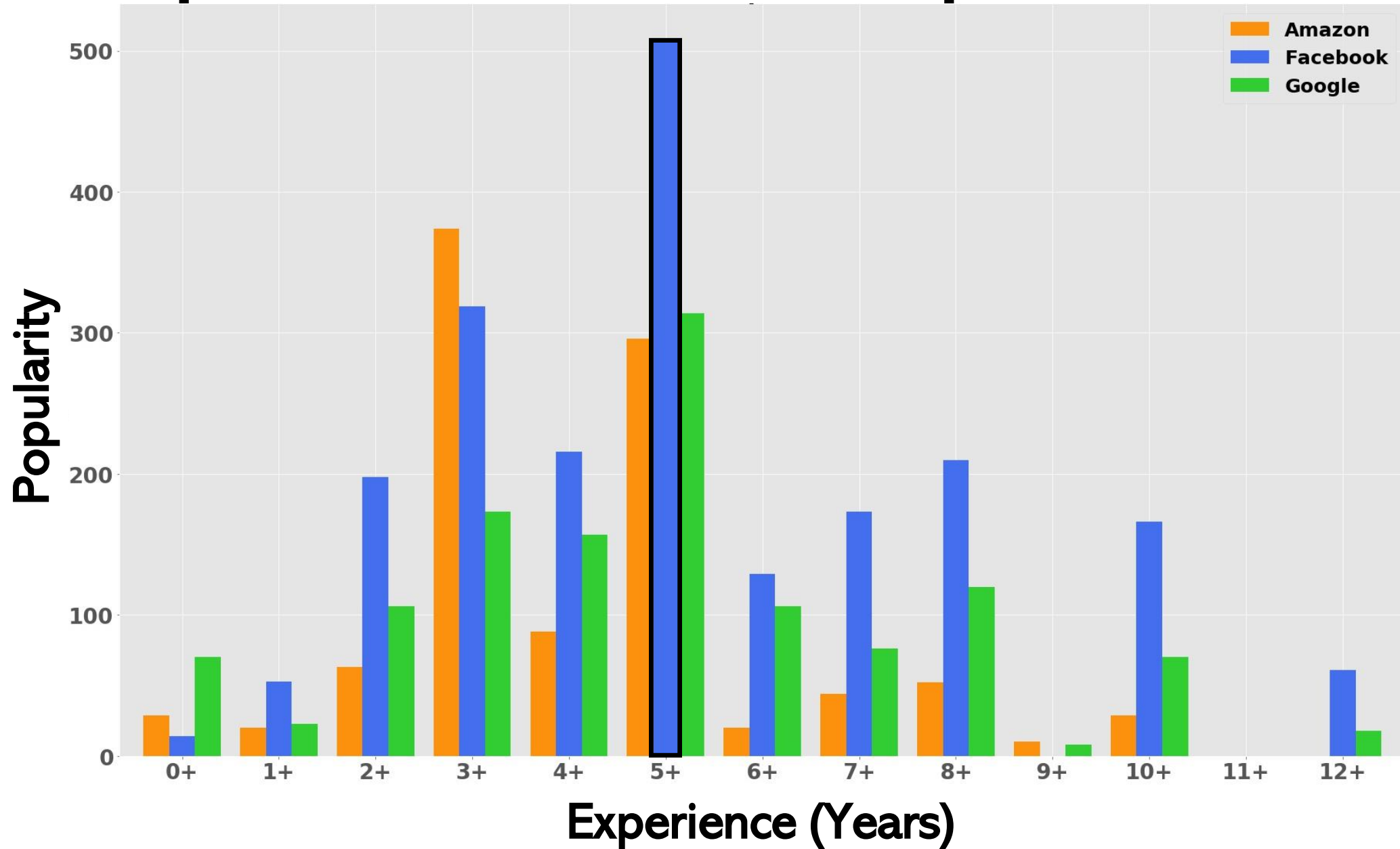
Comparison of Preferred Experience Level



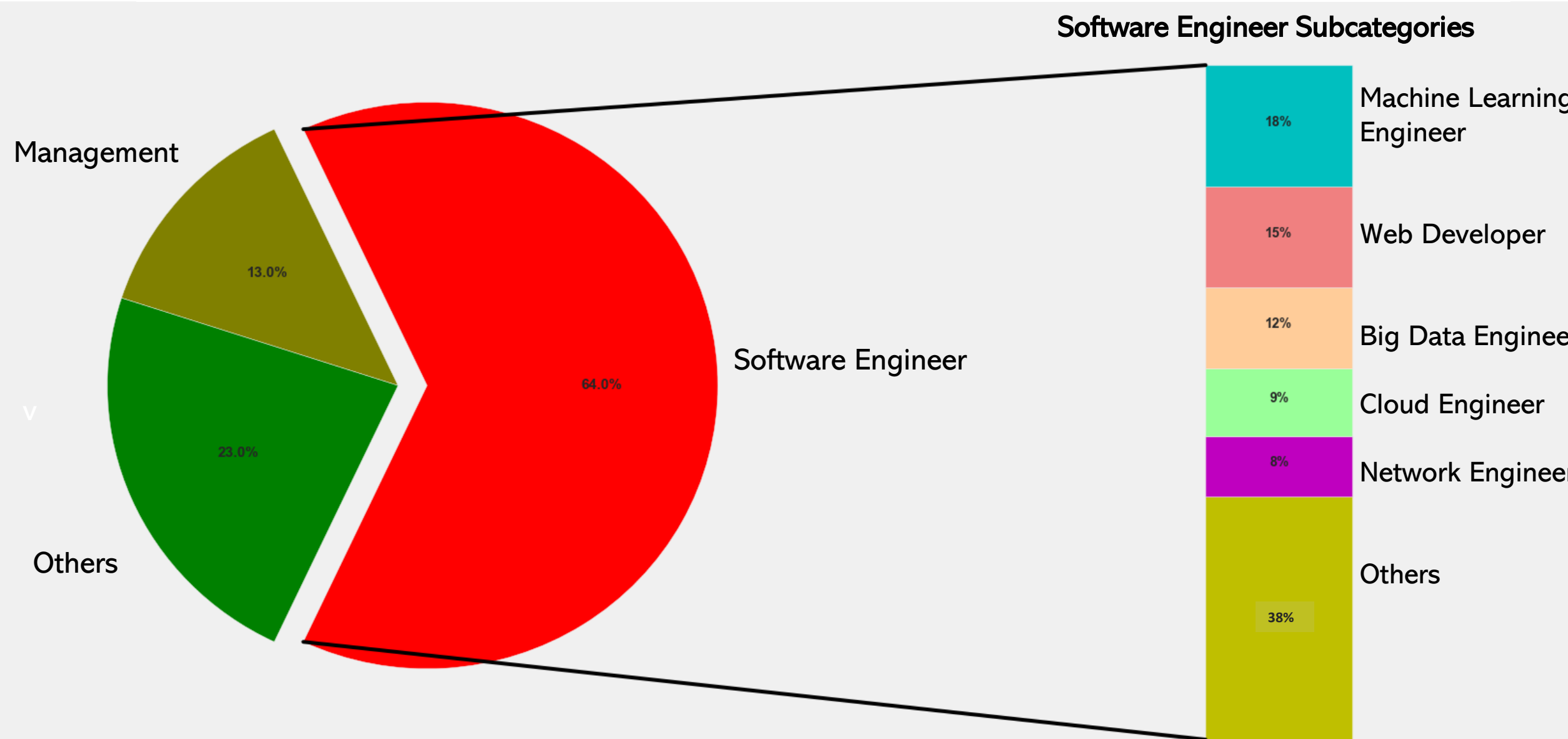
Comparison of Preferred Experience Level



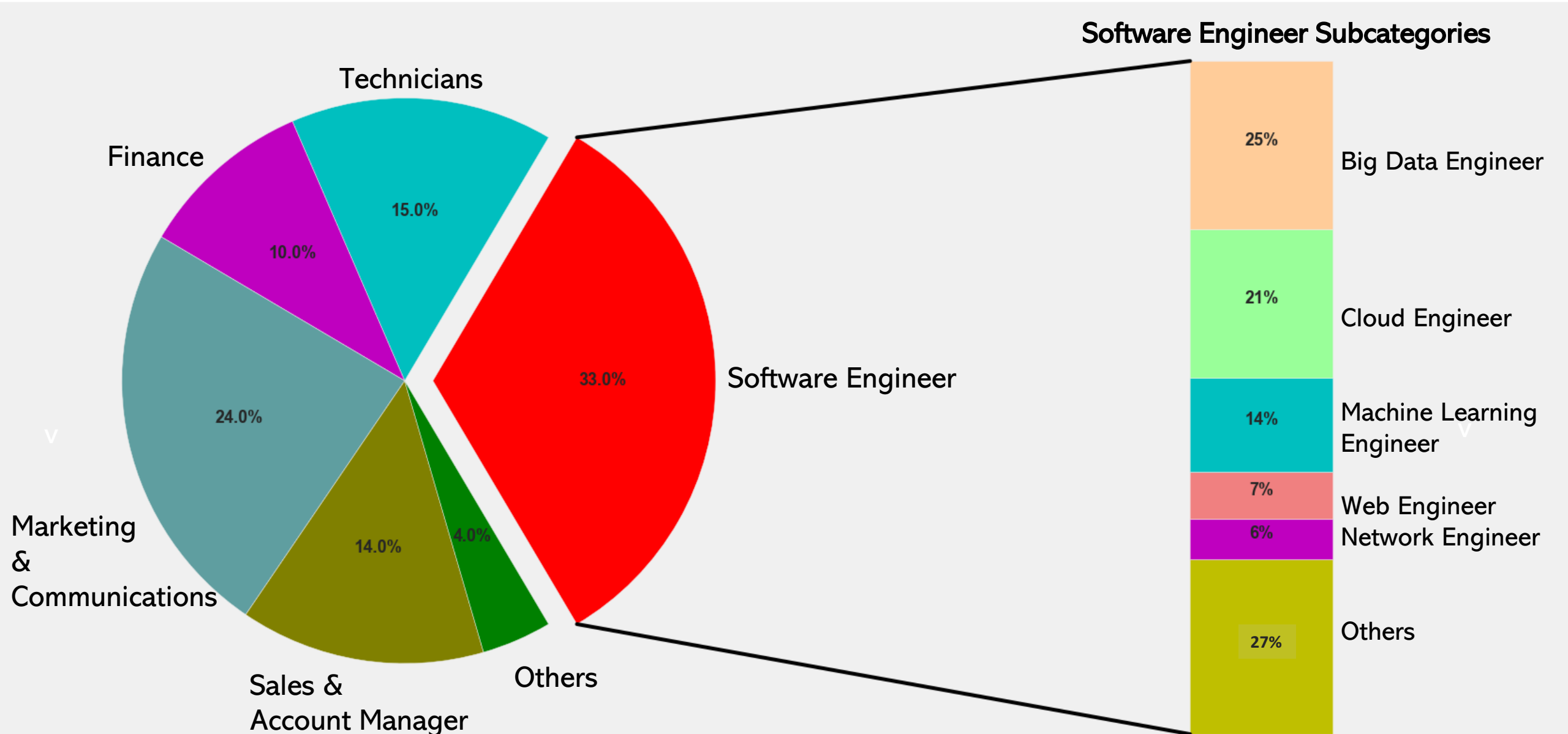
Comparison of Preferred Experience Level



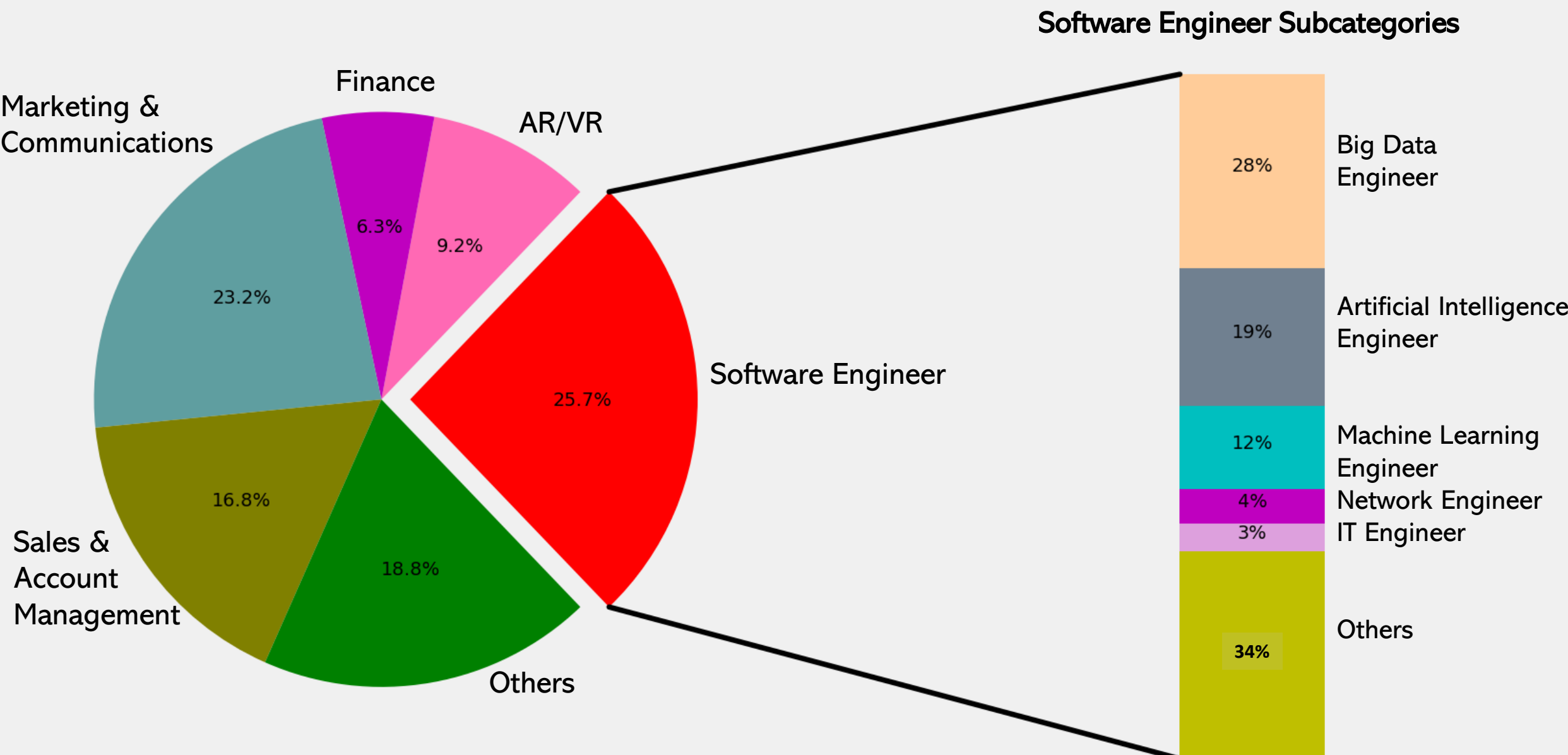
Job Category Distribution - Amazon

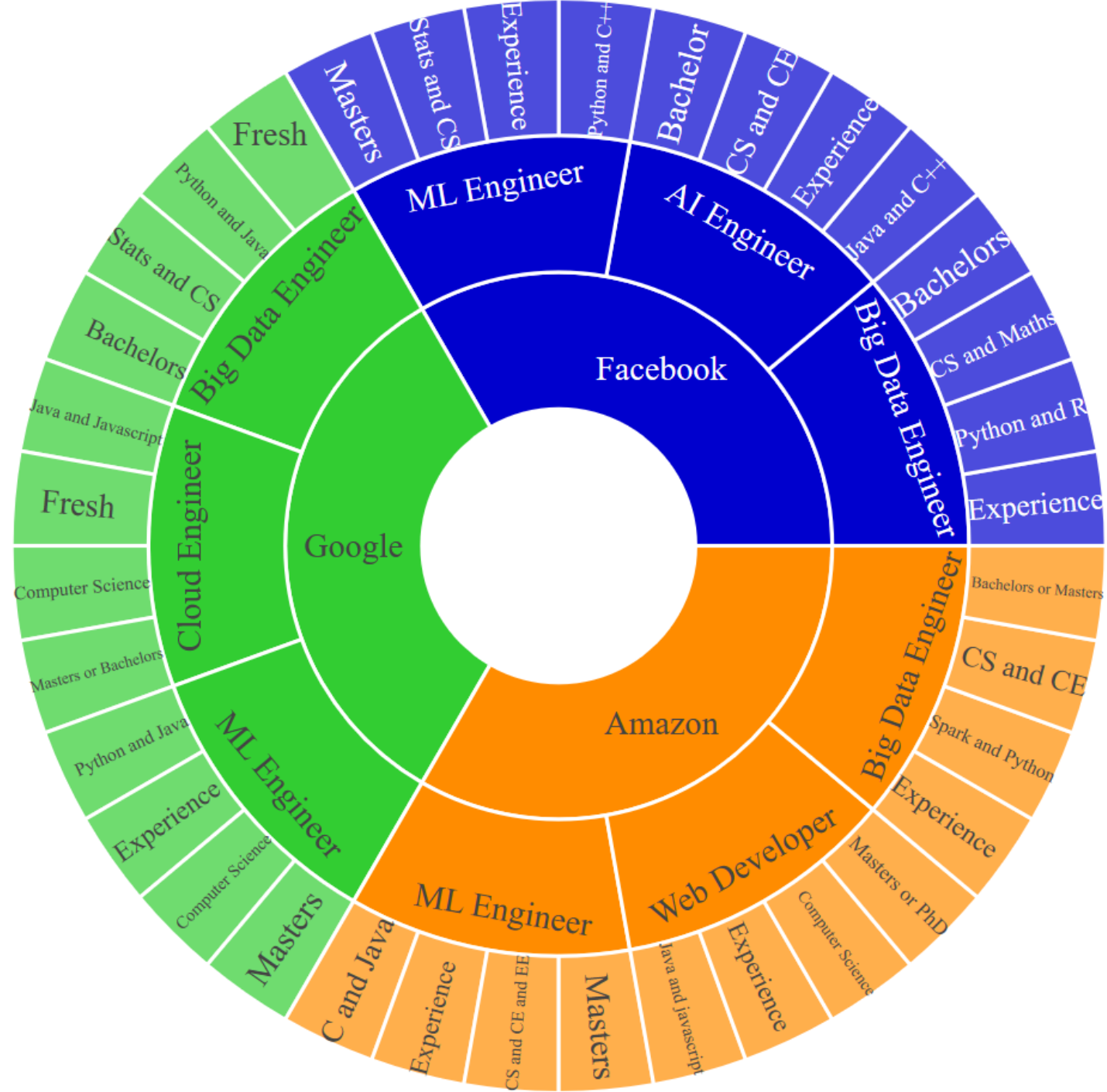


Job Category Distribution - Google



Job Category Distribution - Facebook





Thank You!



Presenters:



Yening Dong



Srishty Dua



Hafiza Rauf



Bo Chen



Shuai Hao