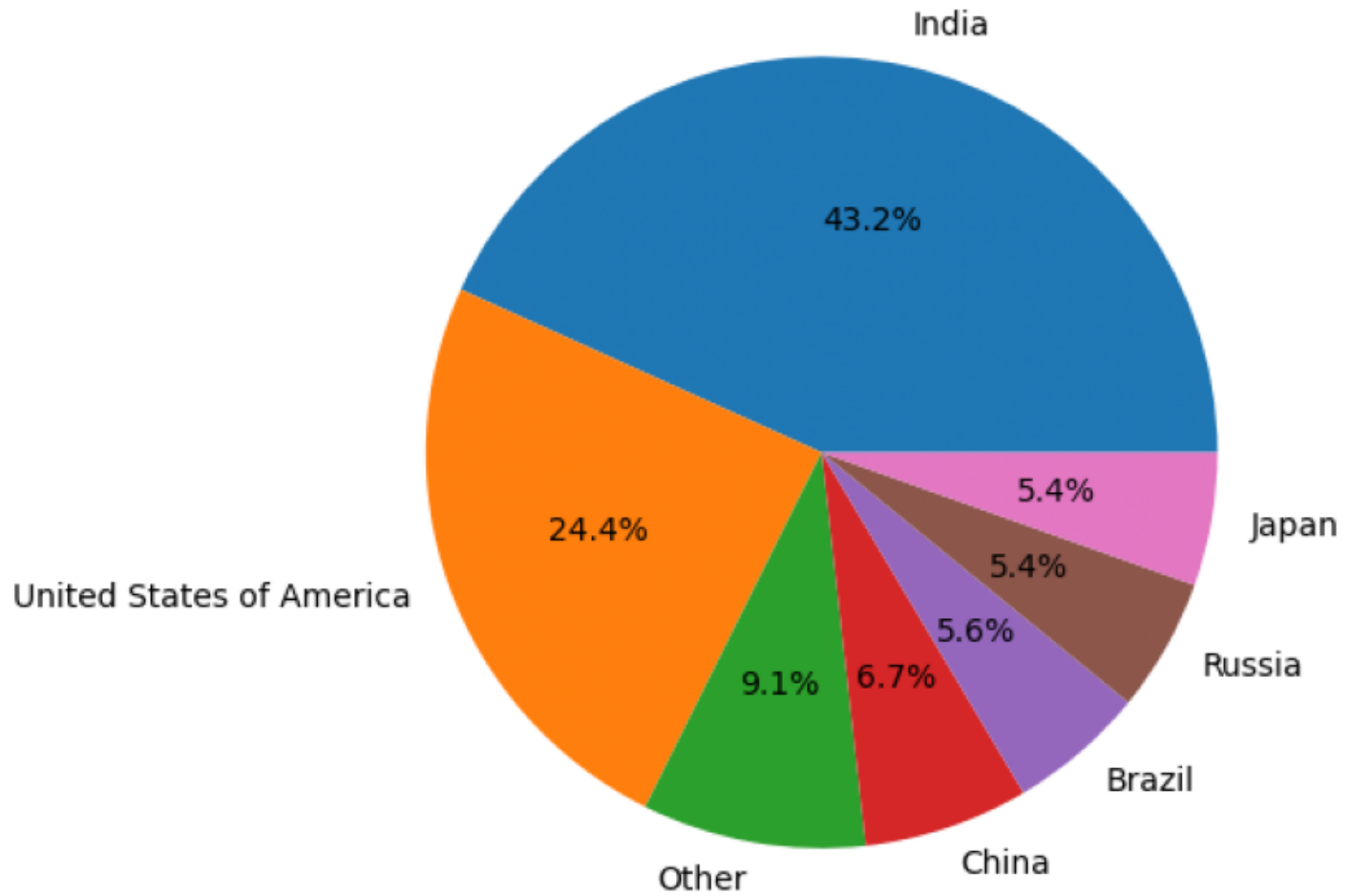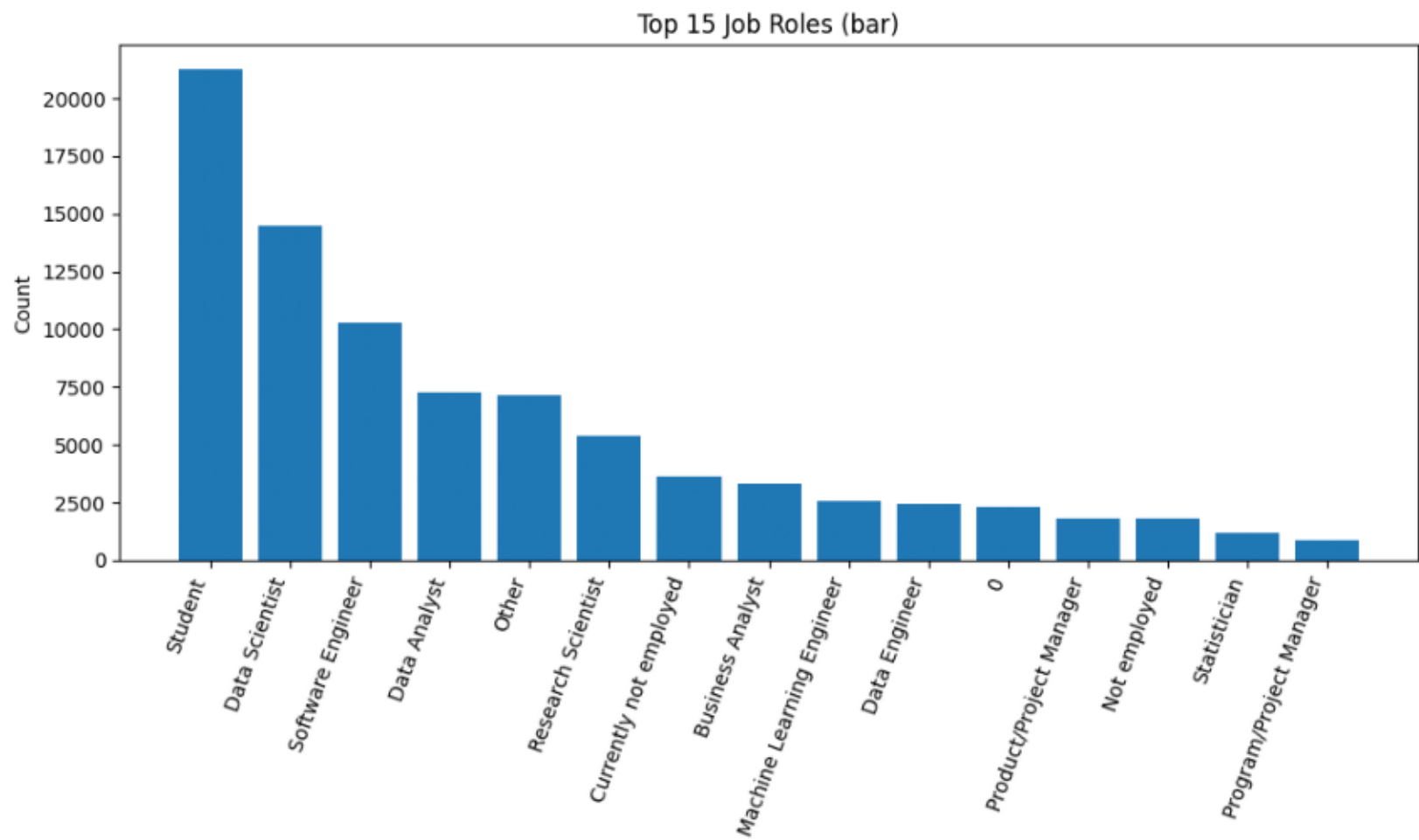# Data Science Survey (2018-2021)\nCleaning & Insight Report

Generated automatically — cleaned rows: 89585 (orig 89585), columns: 155

Top Insights (automatically extracted):\n\n1. Top country by respondents — India (22488)\n2. Top education level — Master's degree (37395)\n3. Top programming language (multi-select) — Python (65942)
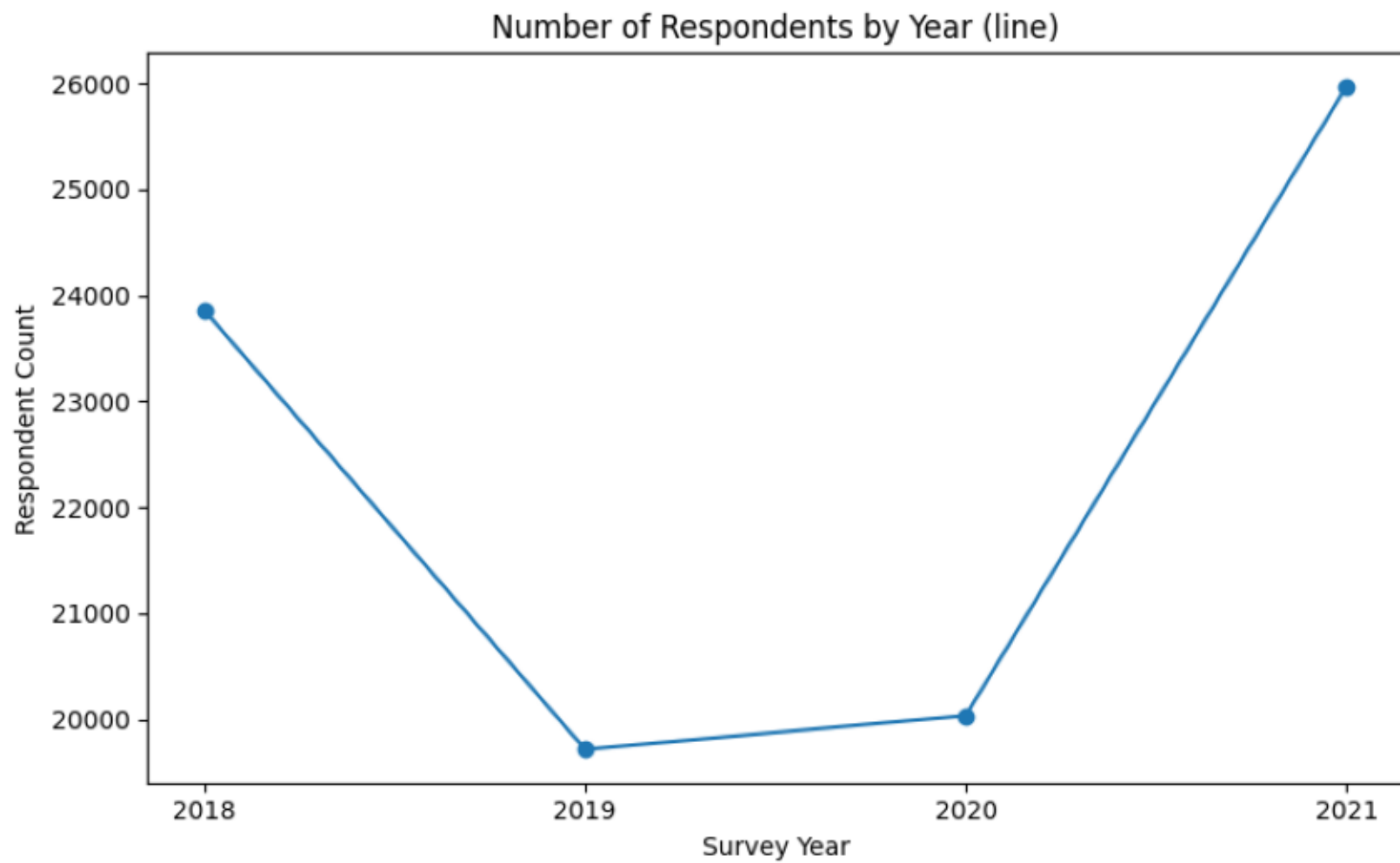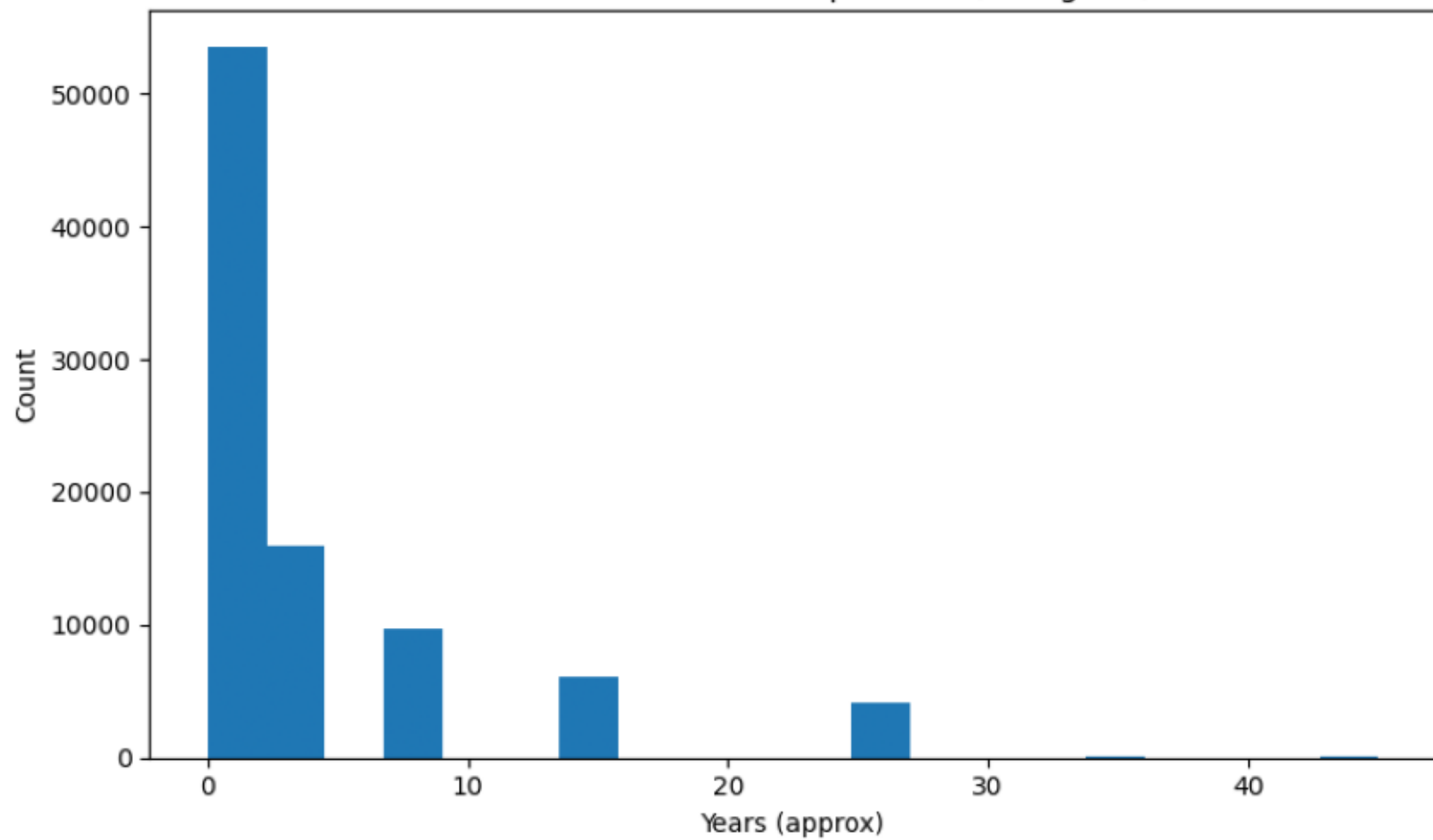
Top 7 Countries by Respondent Share (pie)

Top 15 Job Roles (bar)

Top Programming Languages (multi-select) (hbar)
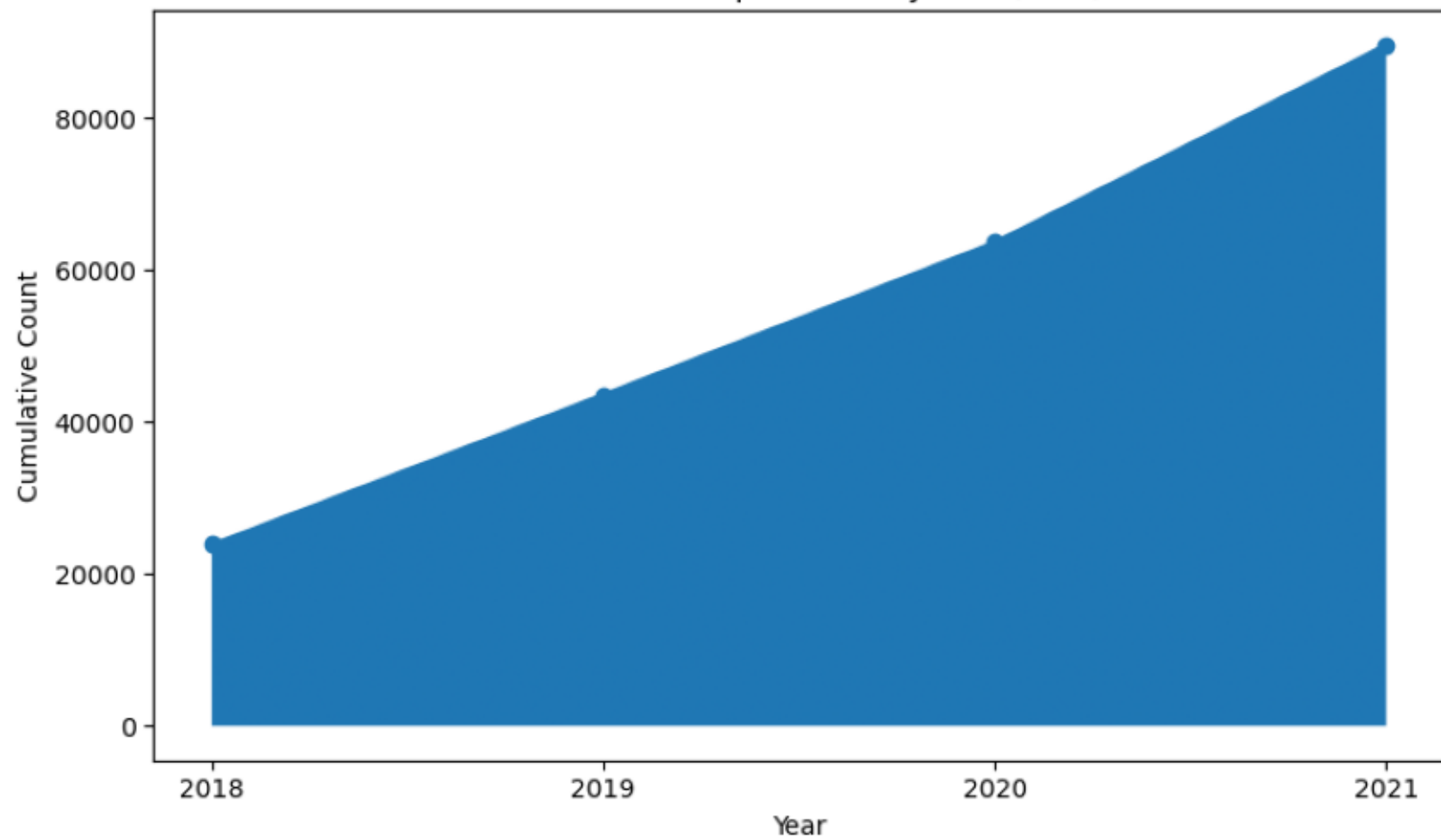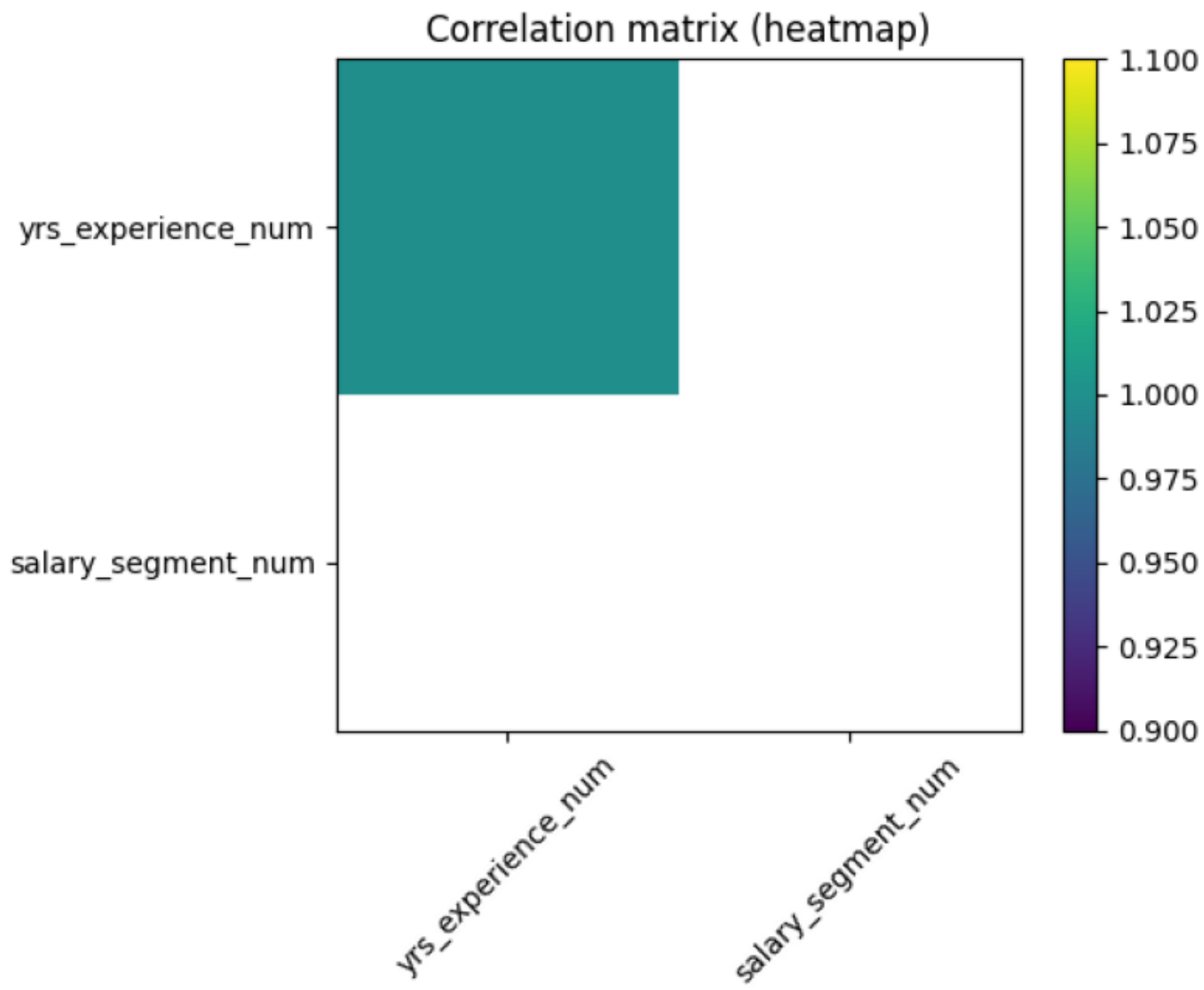
Number of Respondents by Year (line)
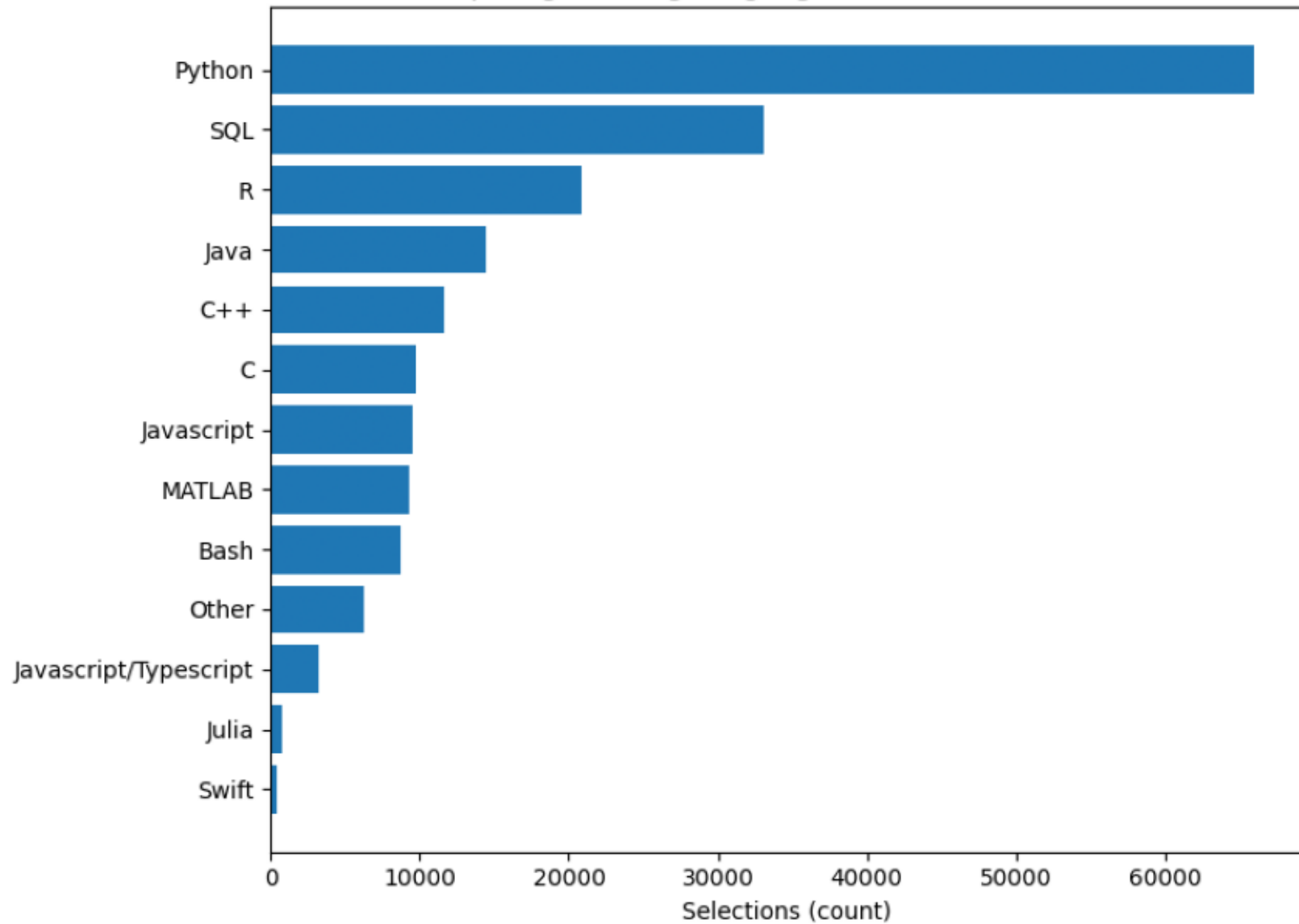
Distribution of Years of Experience (histogram)
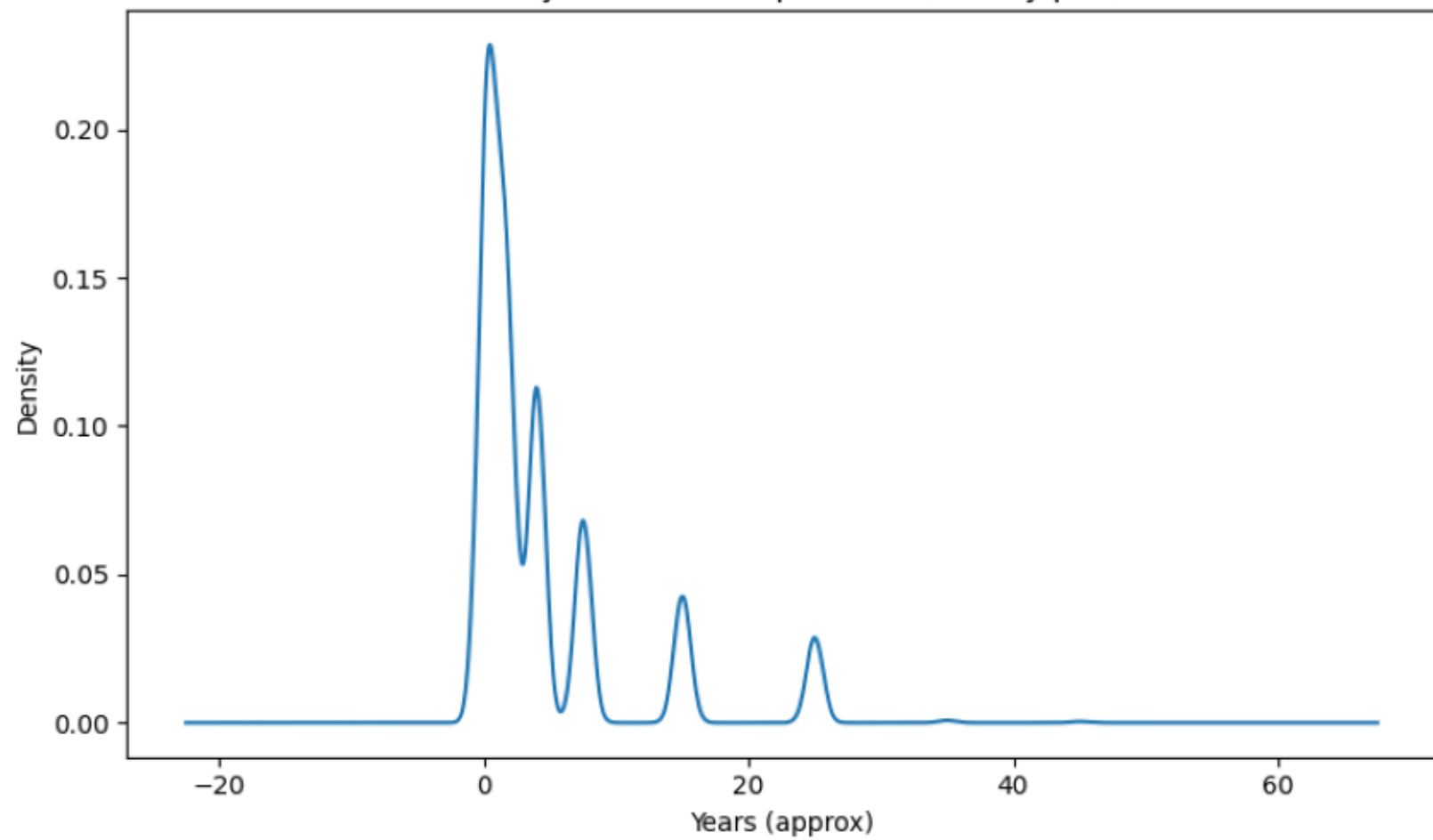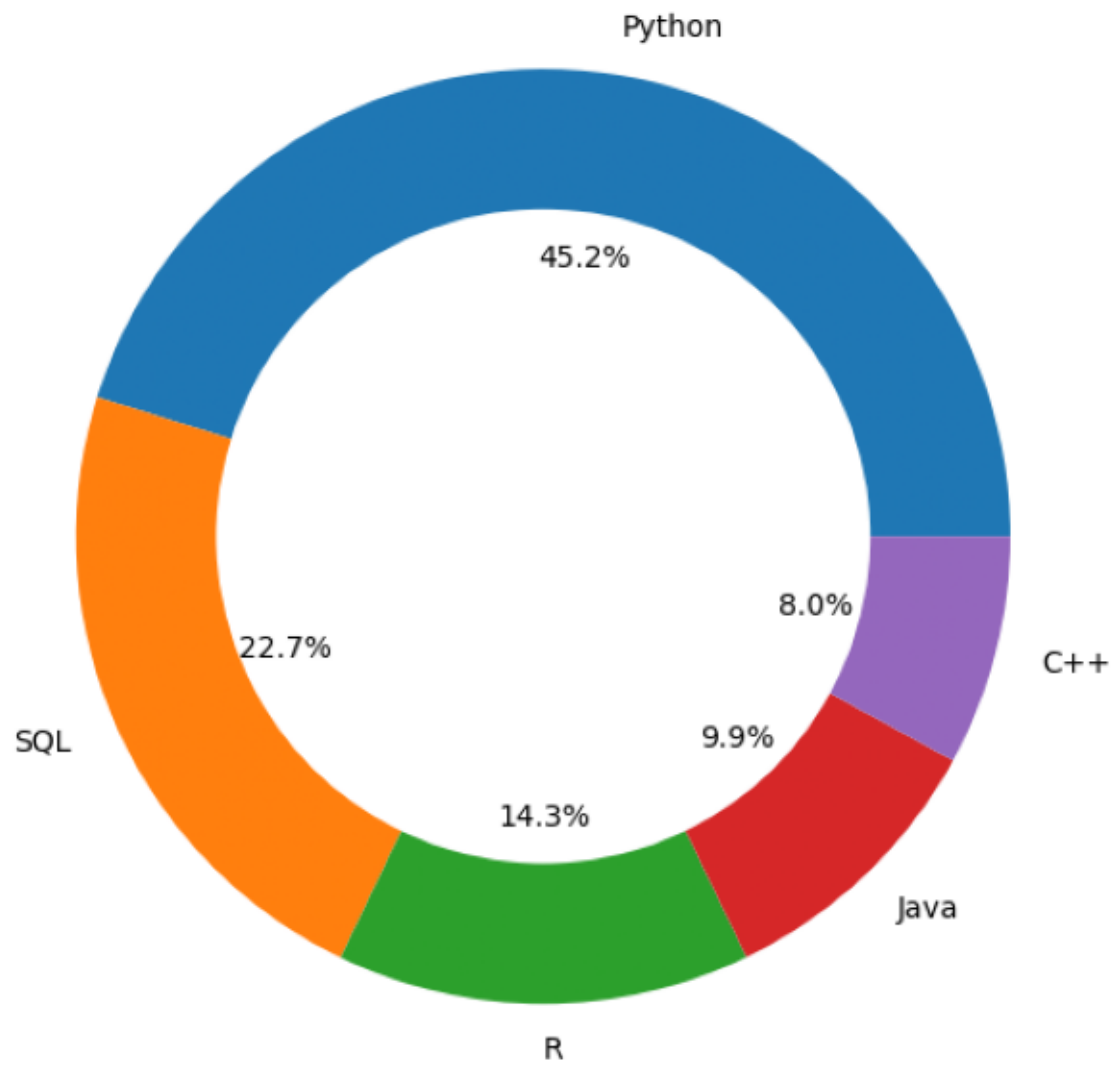
Cumulative Respondents by Year (area)

Correlation matrix (heatmap)

Education distribution across top 5 job roles (stacked bar)

q4
- 0
- Bachelor's degree
- Doctoral degree
- I prefer not to answer
- Master's degree
- No formal education past high school
- Professional degree
- Professional doctorate
- Some college/university study without earning a bachelor's degree

Count

q5

Student
Data Scientist
Software Engineer
Data Analyst
Other
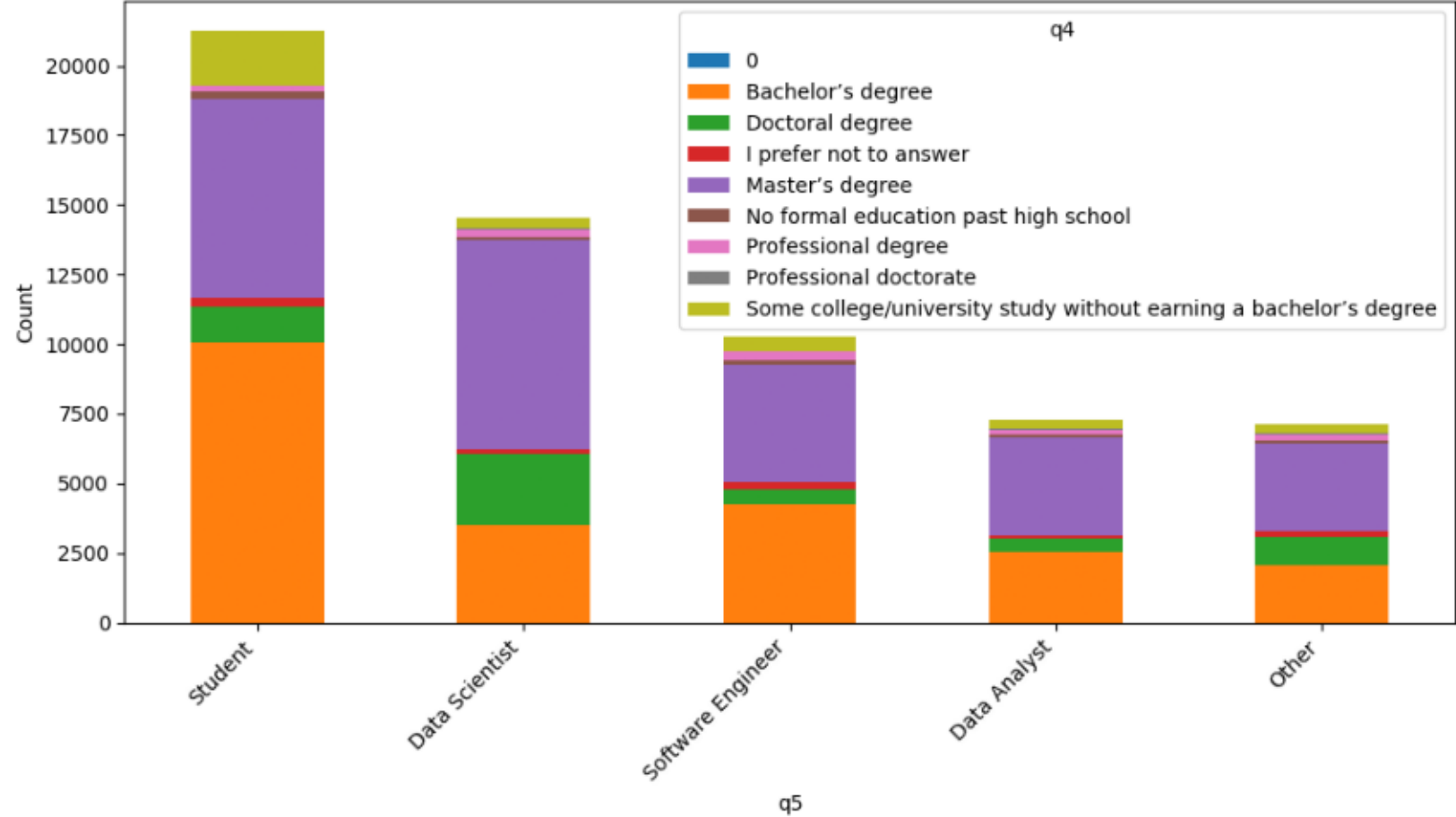
Density of Years of Experience (density plot)

Top 5 Programming Languages (donut)

Python

45.2%

SQL

22.7%

C++

8.0%

Java

9.9%

R

14.3%

Gender distribution (pie)

Education level counts (bar)
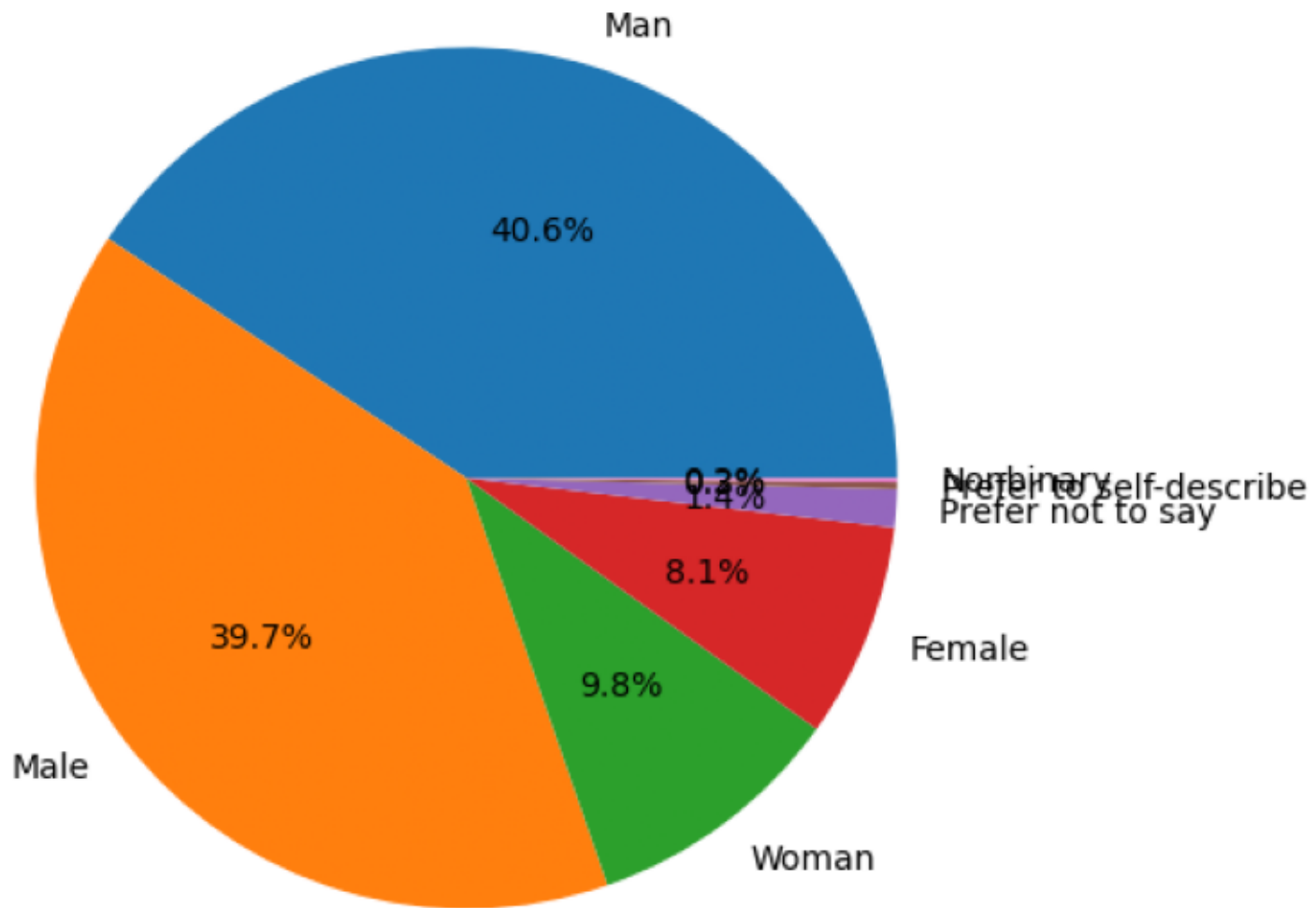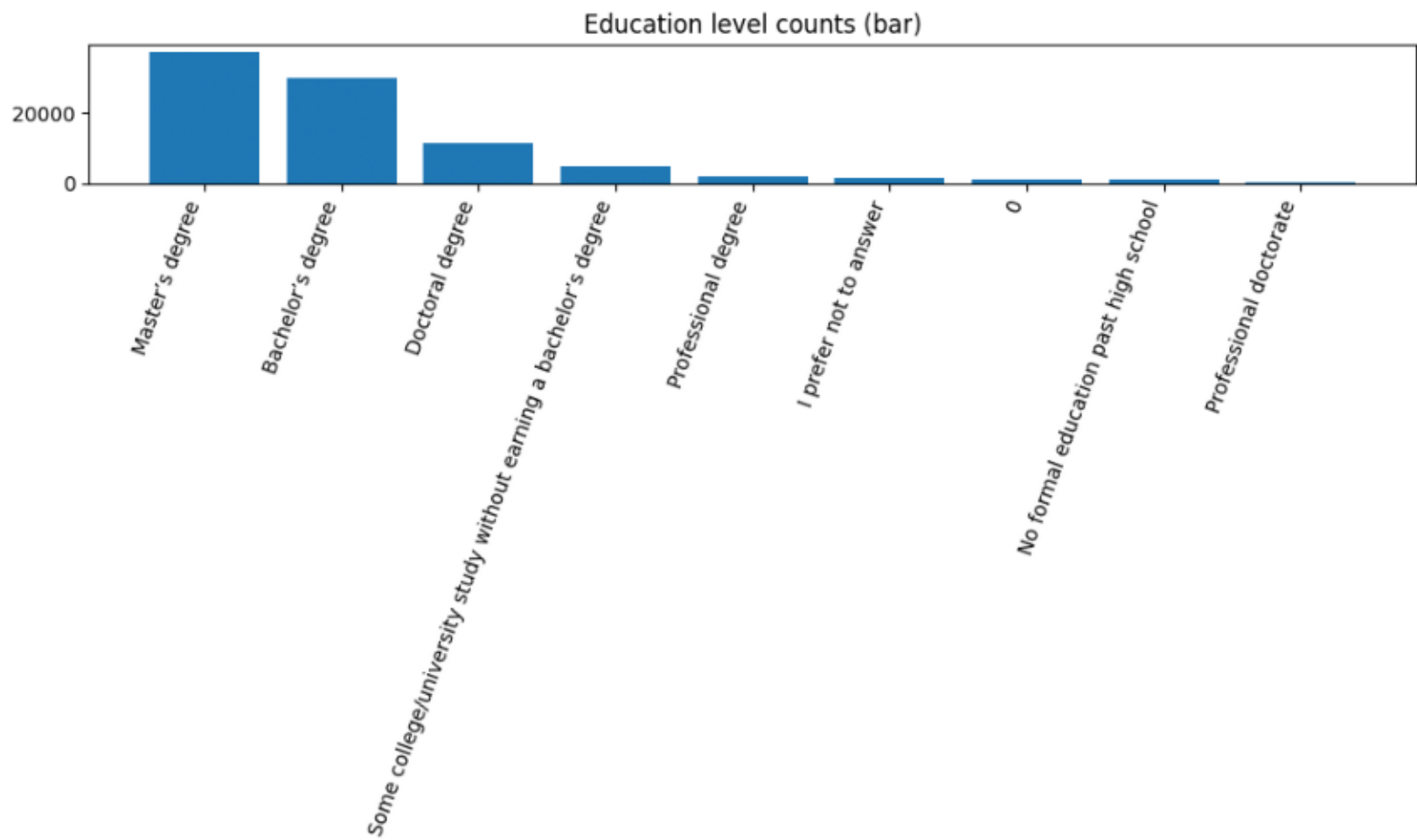
Top Visualization Libraries (bar)