SkillFinder
Jobs In the US

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Motivation

Job Market Atmosphere

Next Steps For Students

Methodology

DATA → **PARSE** → **ANALYSIS**

Collected From Dice.com

Extract:

Skills

Location

Job Title

Experience

Degree

Find General Trends and Relevant Info

Figure Out Next Moves In Career

Example: Software Engineer

Parsing Data

Dice.com

- Advertising Company
- Job Description
  - Education Level
  - Skills
    - Java
    - Python
    - . . .
    - SQL
  - Experience
- Job Address
- Job Title

Date: 2017

About 22,000 Job Postings Parsed

5

What cities have the most jobs?

Top 15 cities with most positions available

Mostly East and West Coast

What states have the most jobs?
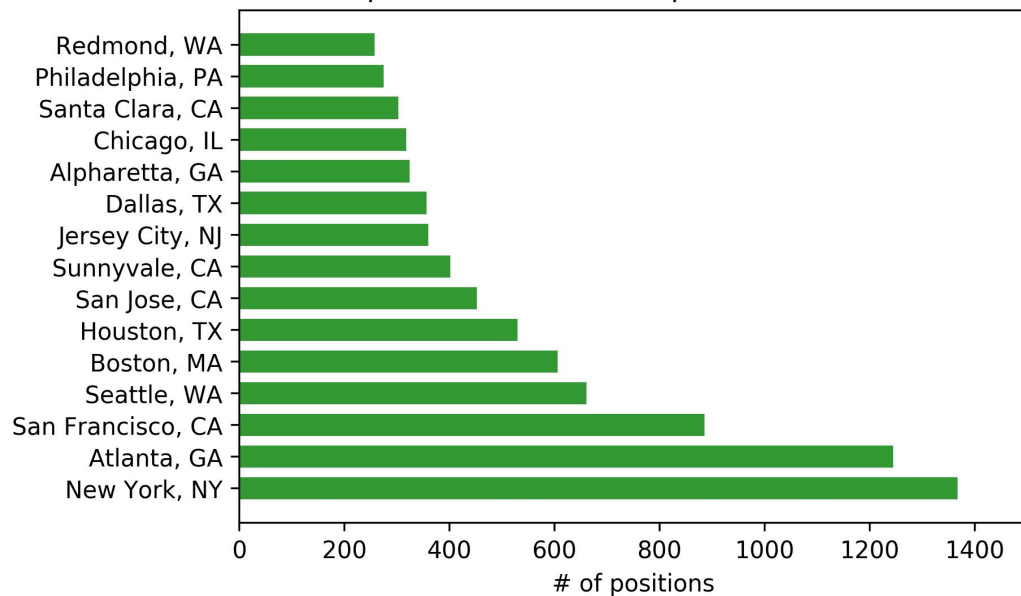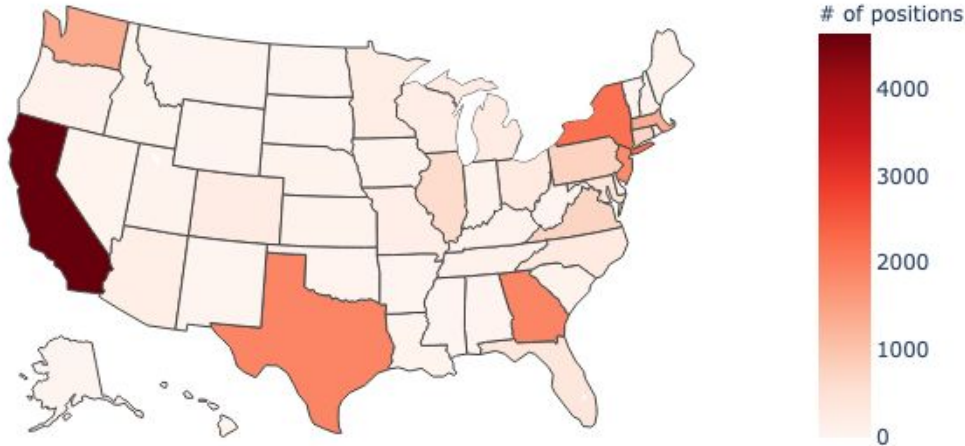
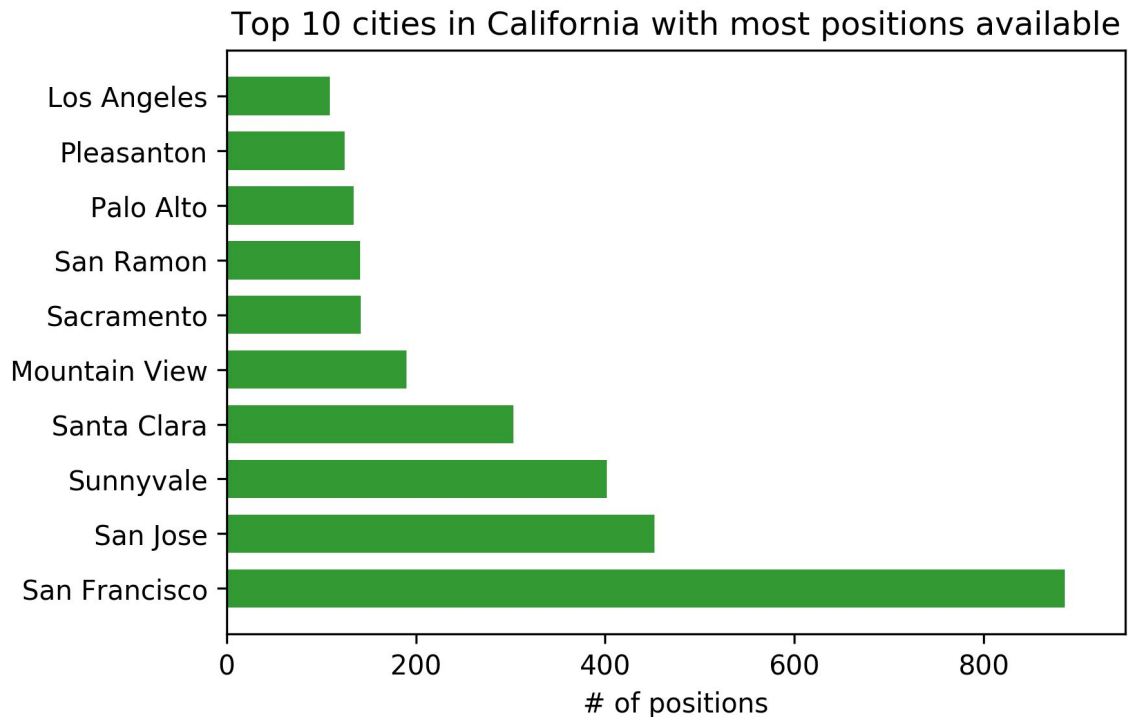Number of technology positions available by state

# of positions

4000

3000

2000

1000

0

Top 5:
1. California
2. Texas
3. Georgia
4. New York
5. Washington

Top Cities In California

Top 10 cities in California with most positions available

Top Cities In California

Most Cities Are In The Bay Area

Top 10 cities in California with most positions available

Who is hiring the most?

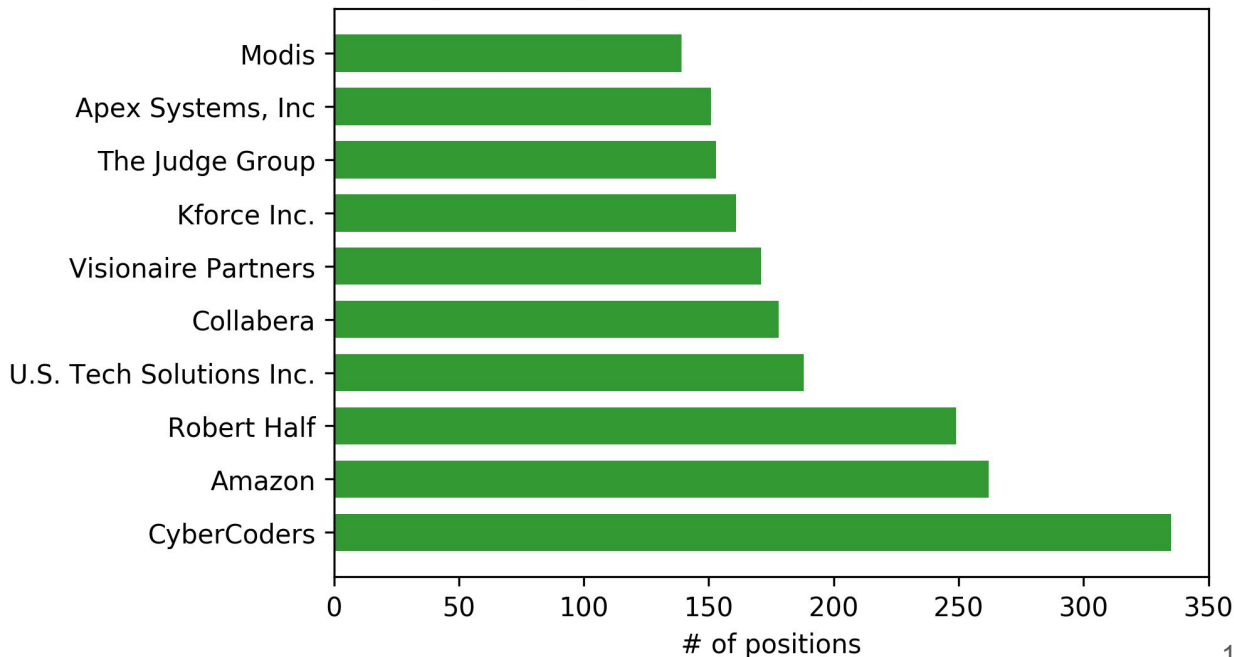Top 10 companies with most positions available
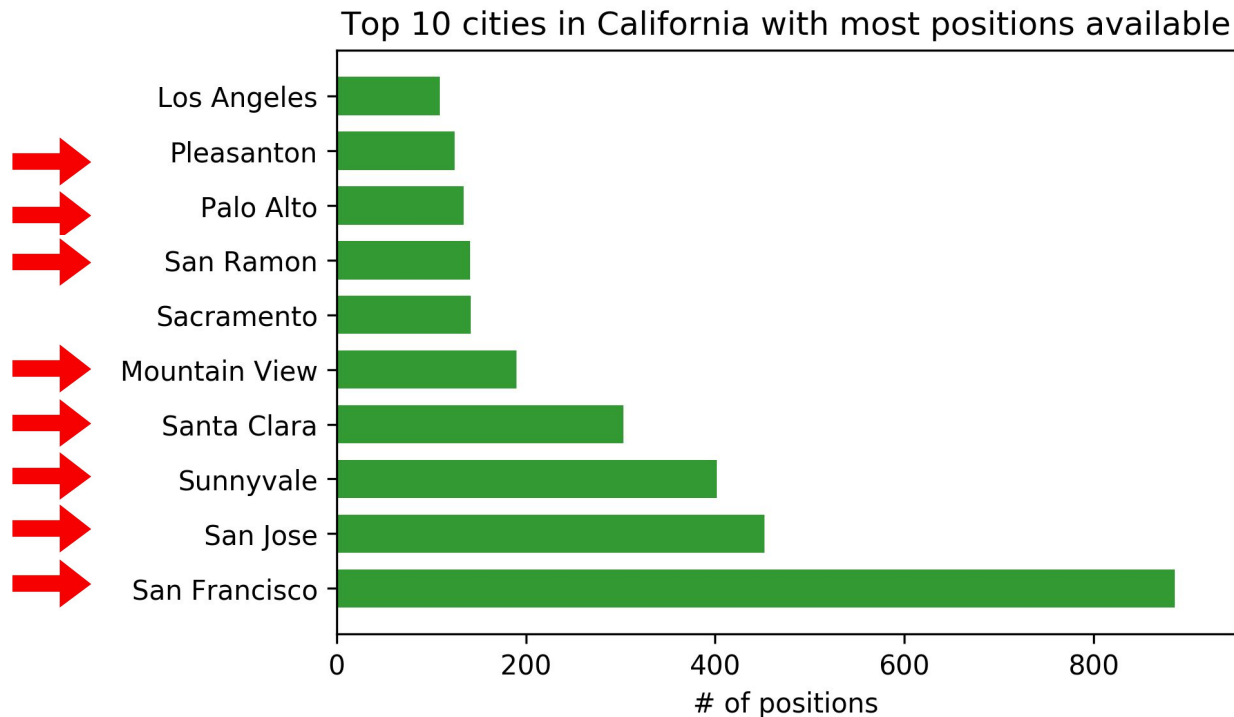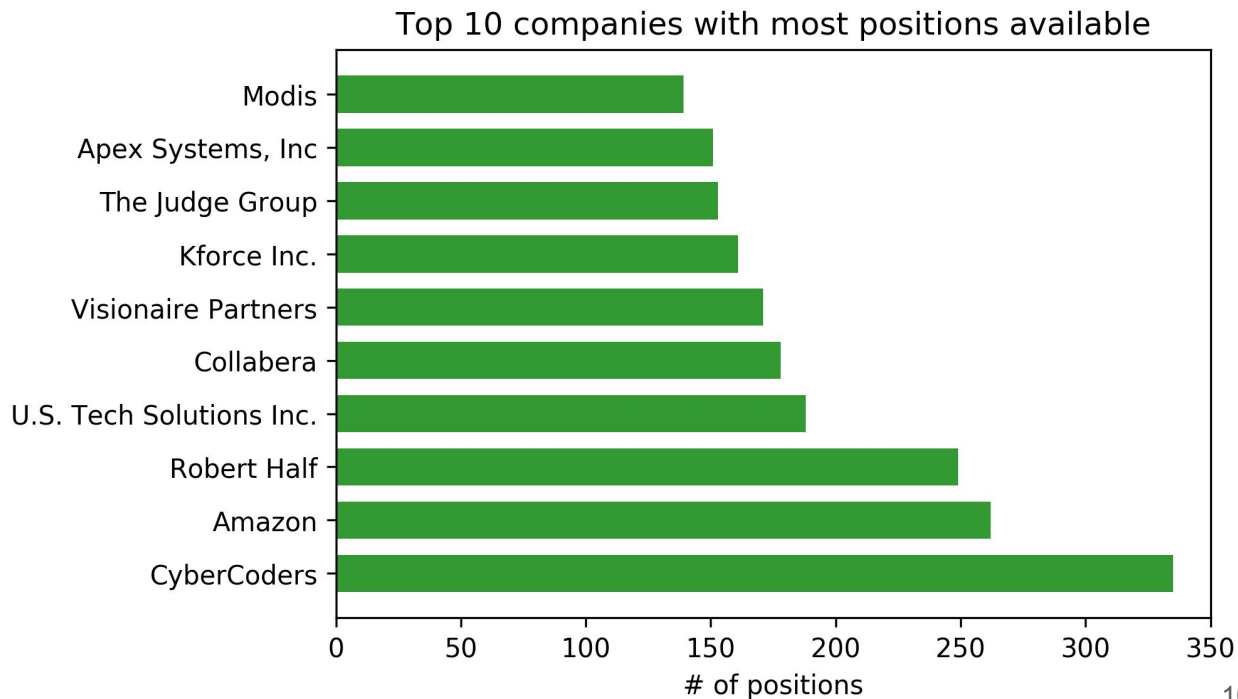
Who is hiring the most?

Most job postings are by 3rd-party staffing agencies

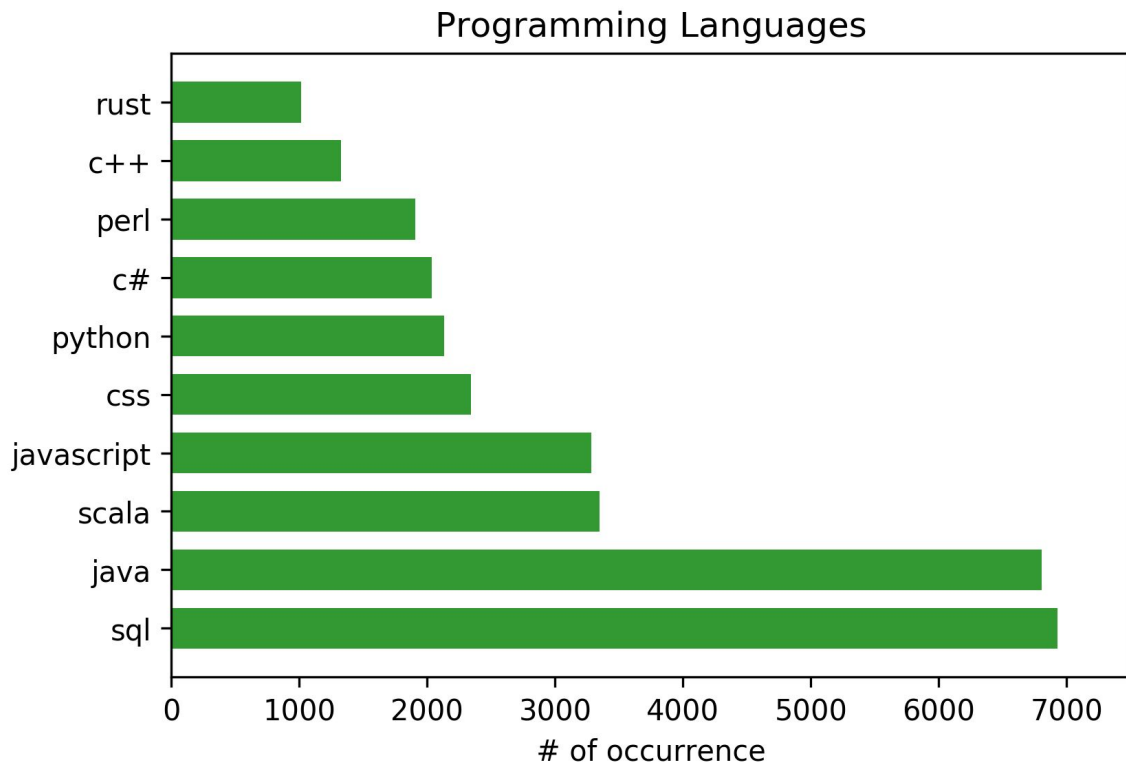Top 10 companies with most positions available

What languages are most popular
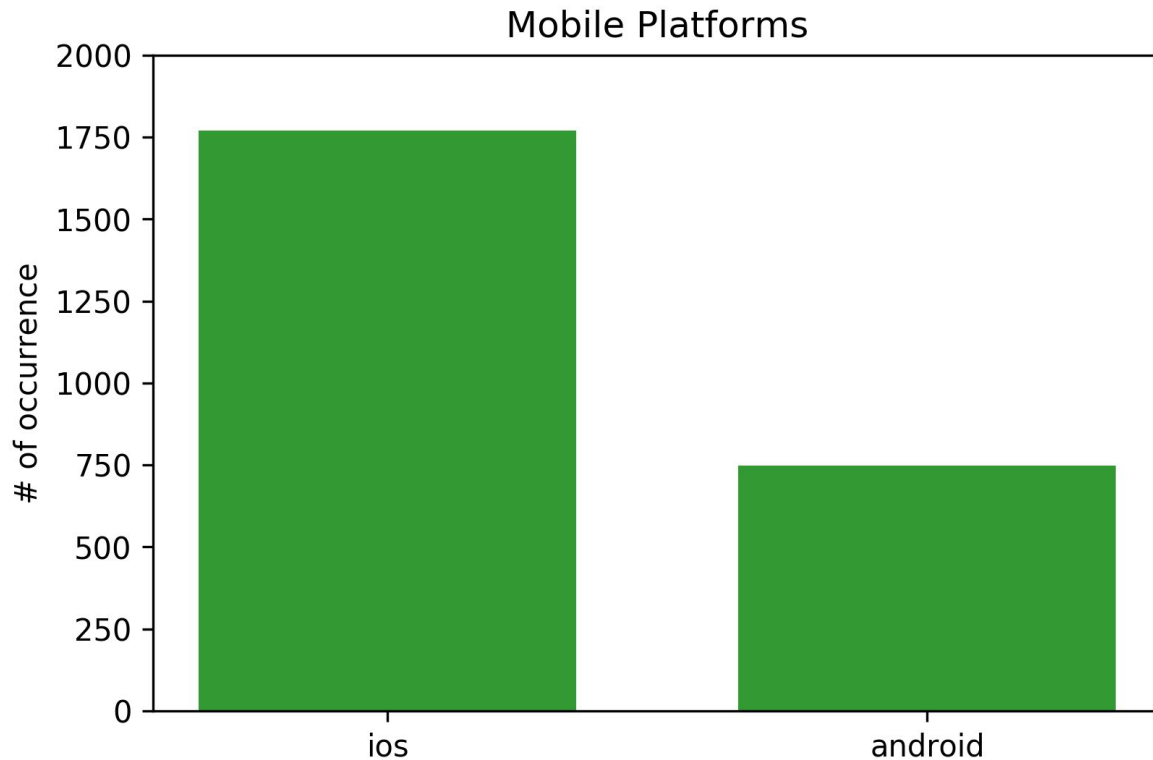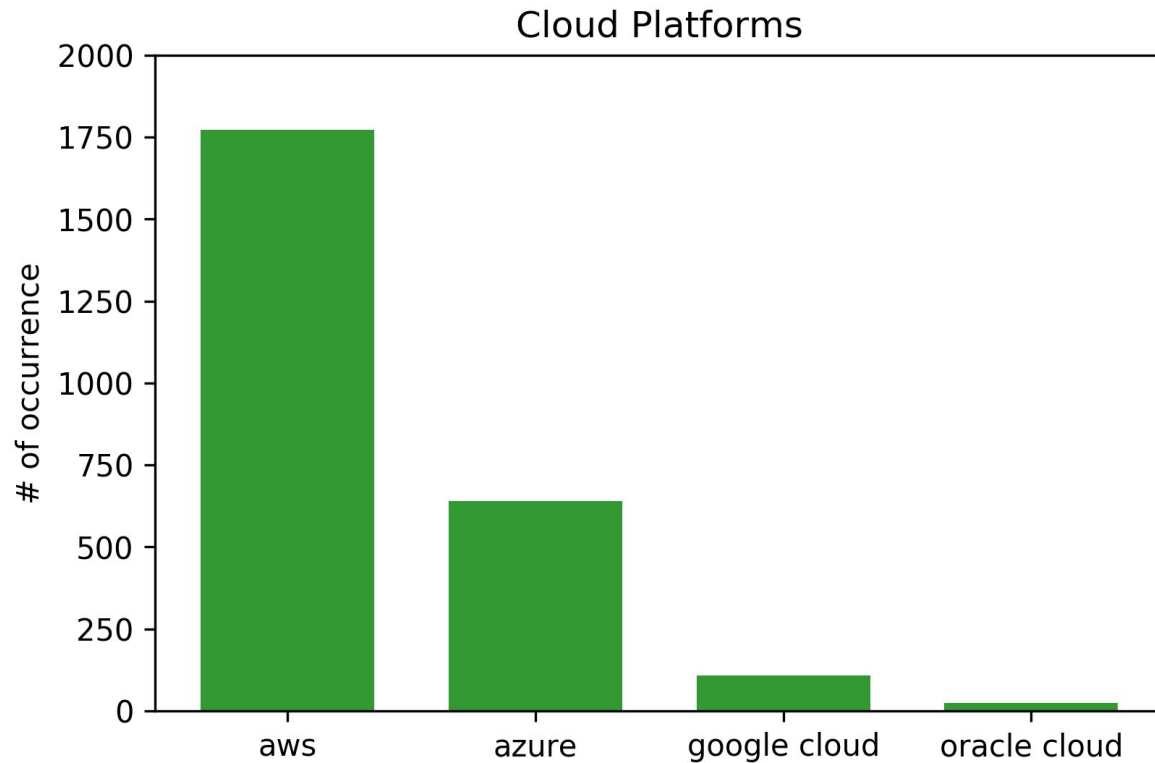
Programming Languages

What skills are most popular

What skills are most popular

Cloud Platforms

Degree Required

Number of technology positions posted for different edu level
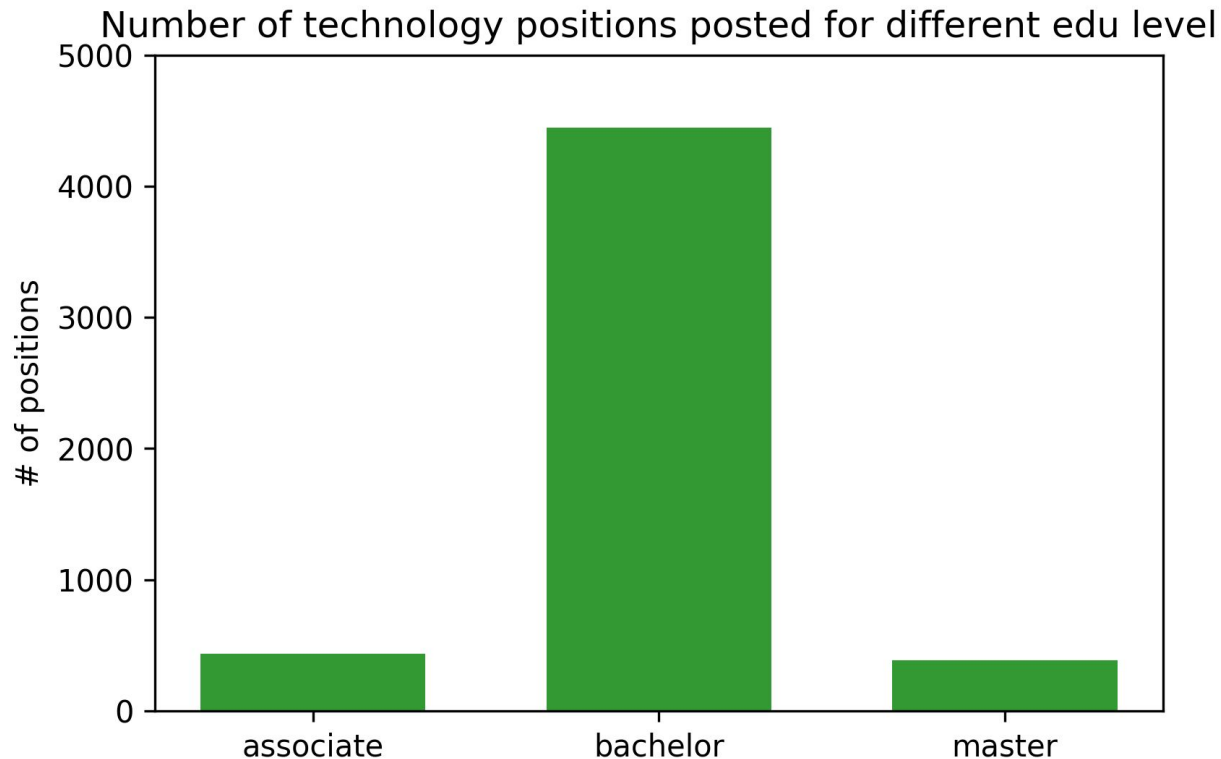
Years of experience needed

Number of technology positions posted which required YOE
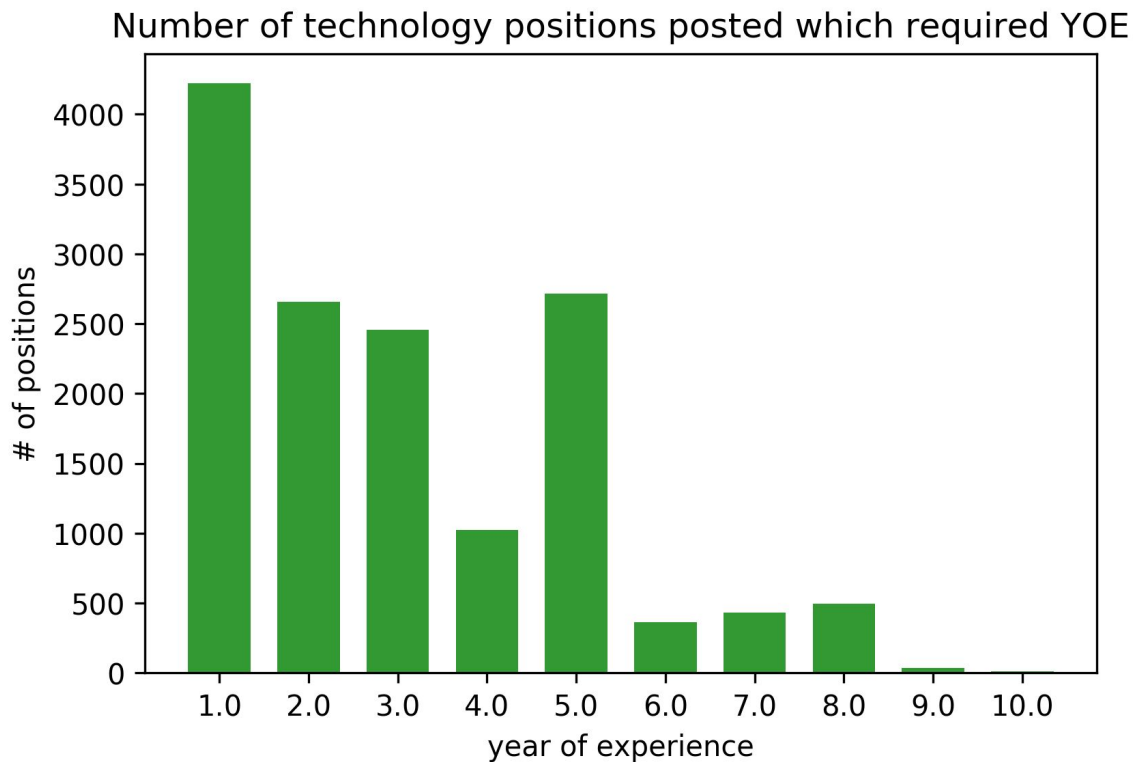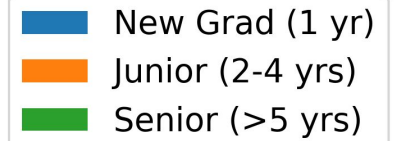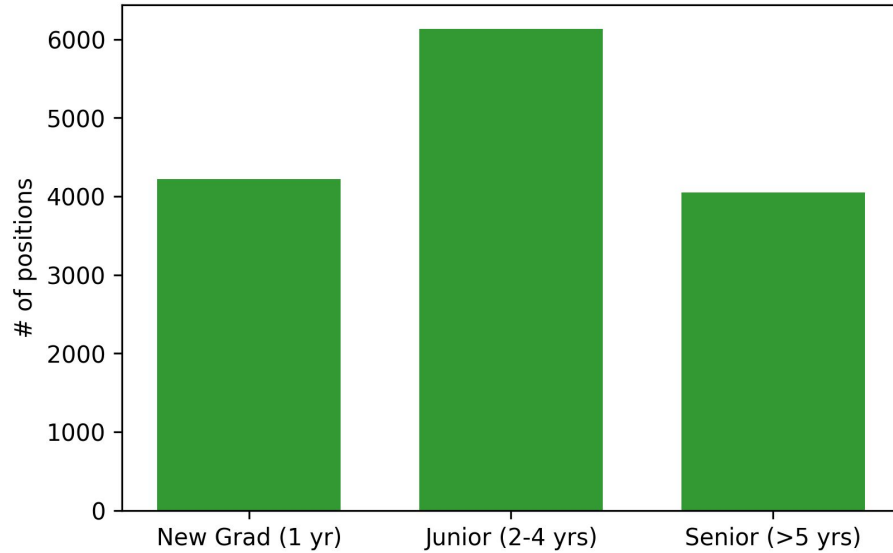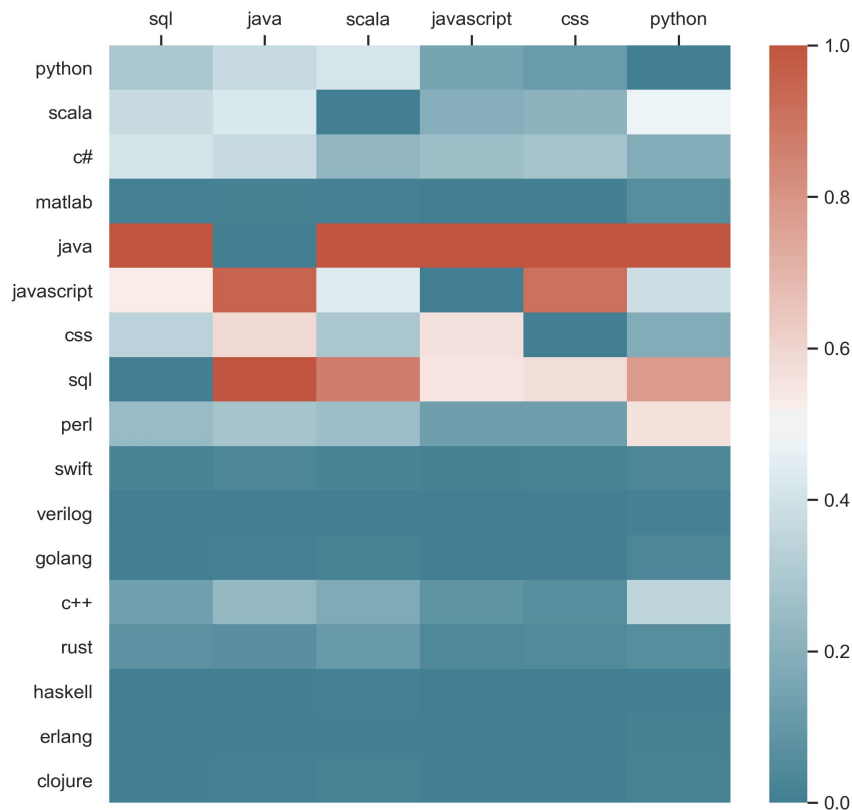
Jobs are available for different YoE

Number of technology positions posted for different experience level
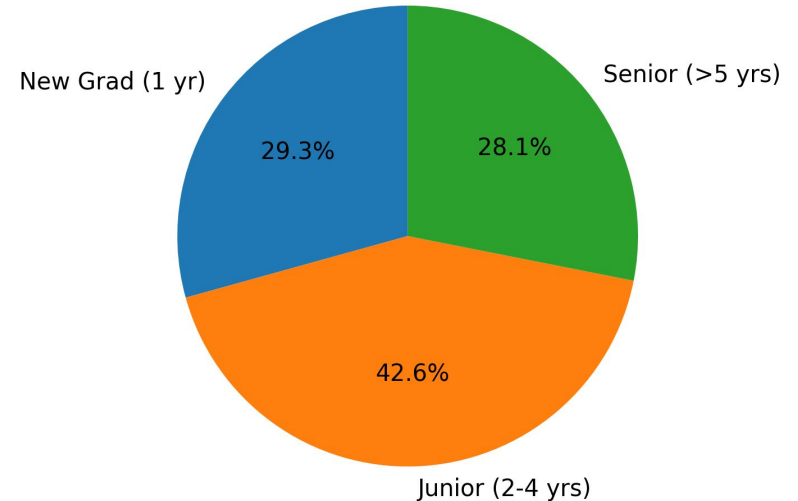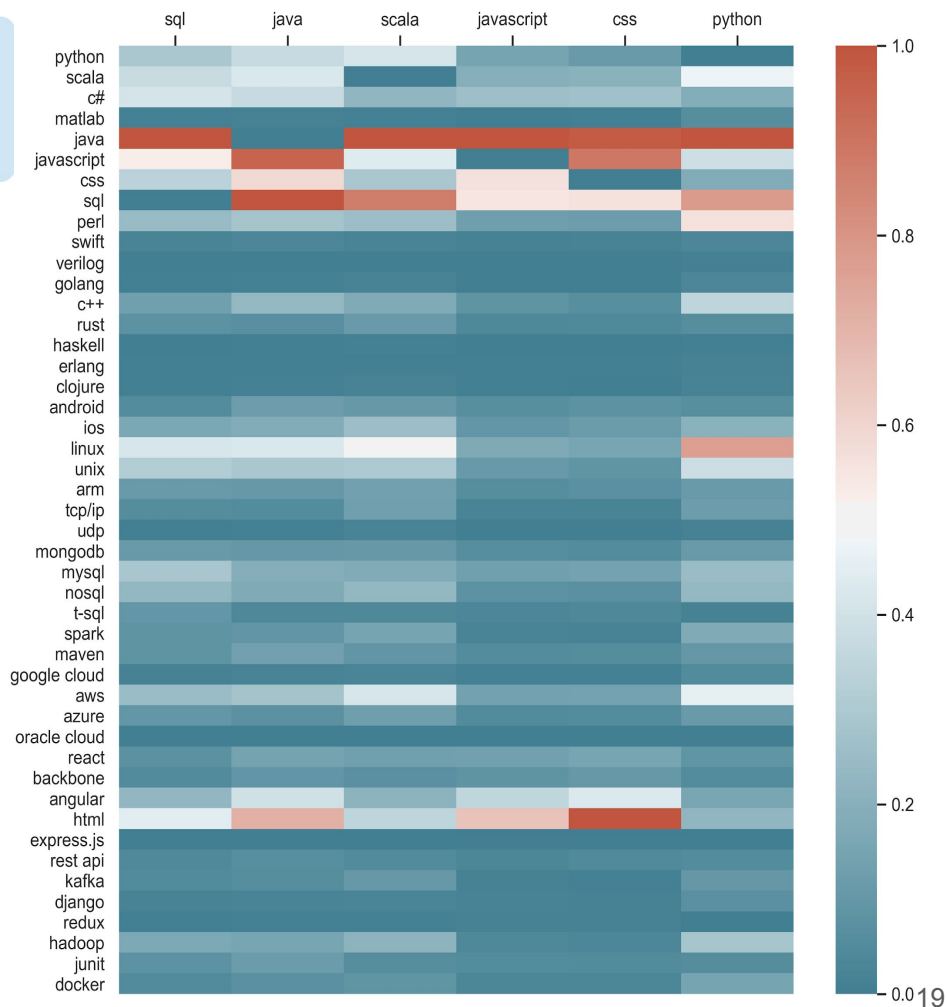
Complimentary Languages

If I know one language, what else do I need to learn?

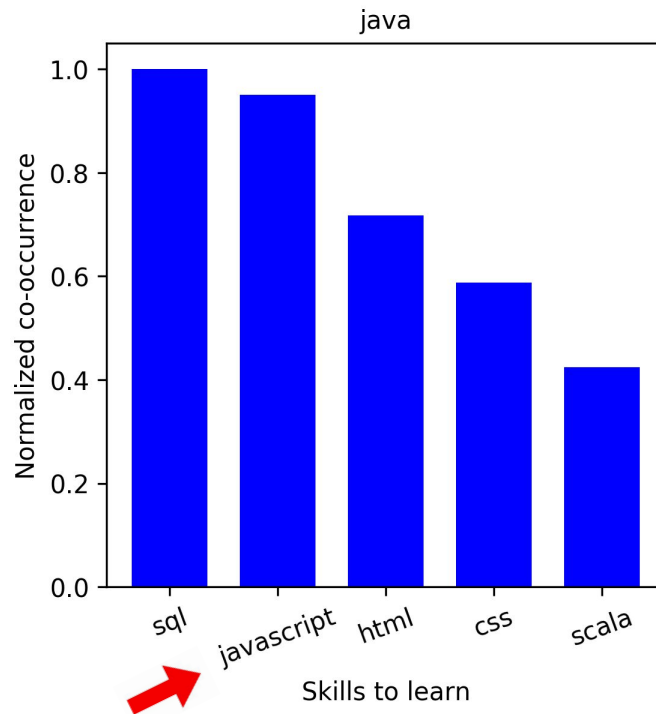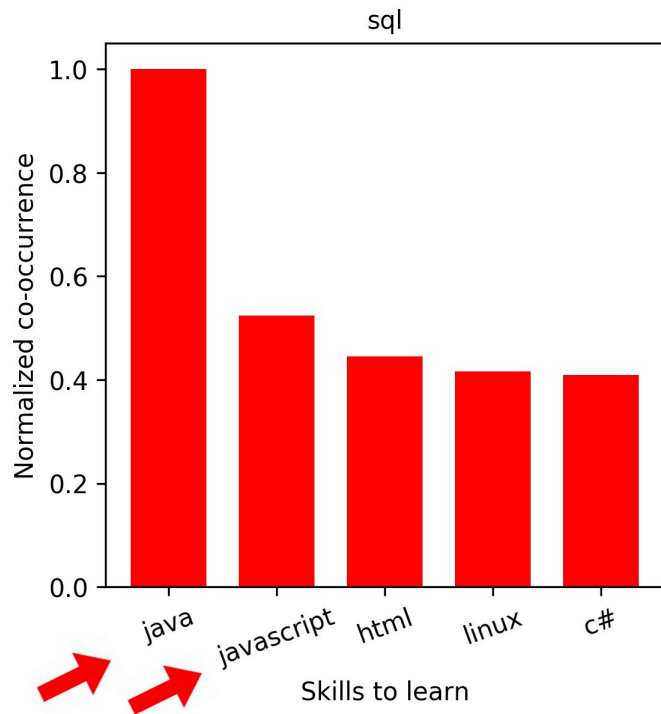Measure co-occurrence of languages together for a given language.

Complimentary skills

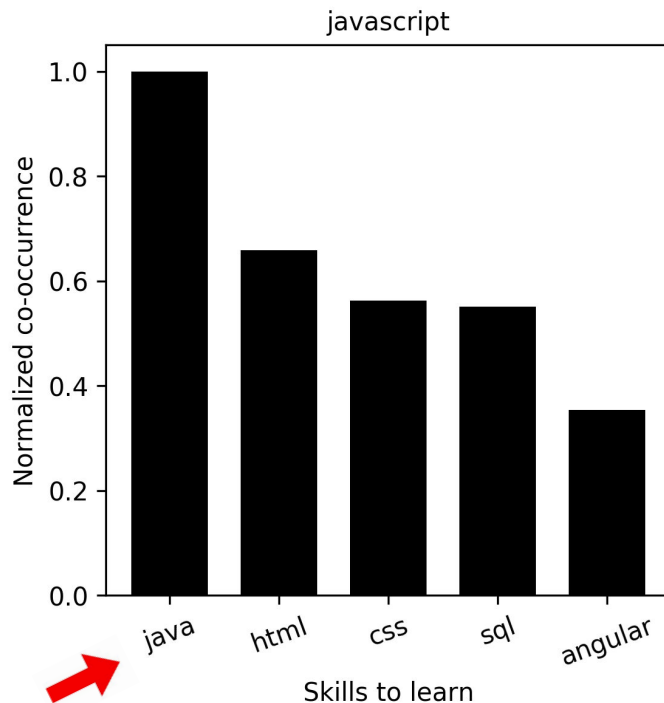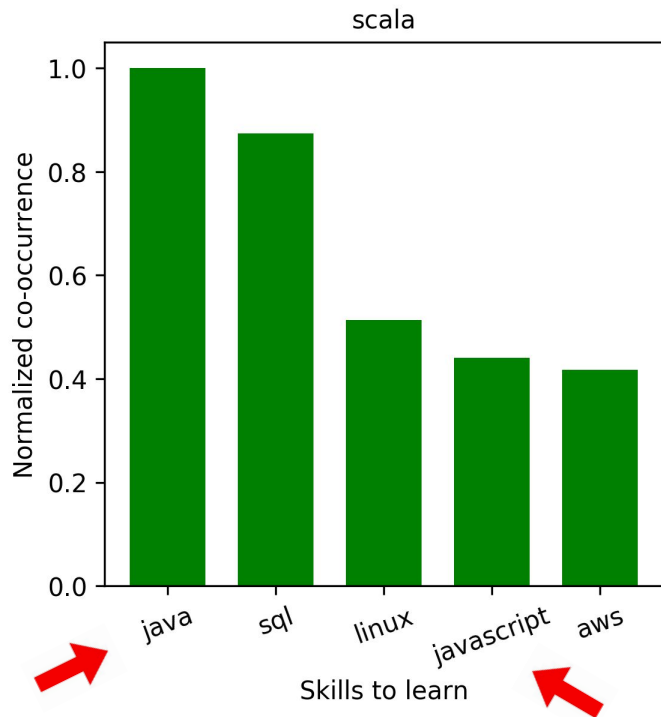*If I know one skill well, what else do I need to learn?*
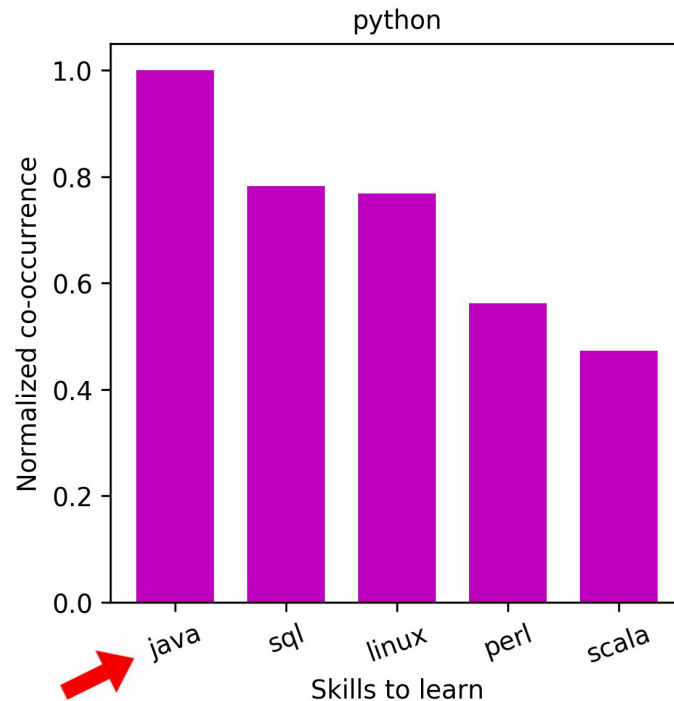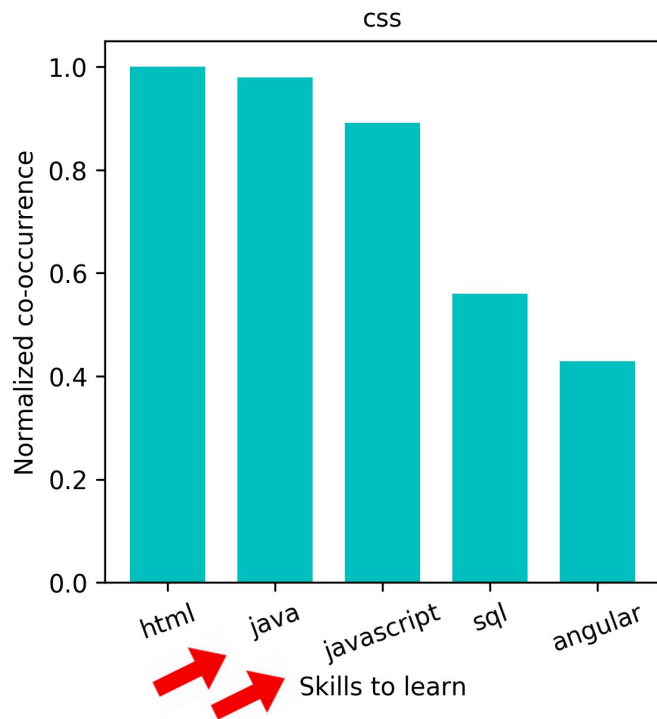
Skills that compliment mine

Skills that compliment mine

Skills that compliment mine

Conclusion

Most jobs: California Bay Area

Most job postings: 3rd Party

Bachelor's degree is enough for a job

Most desired skills complement each other

THANK YOU