



**Group 14**  
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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**

# Dataset Example

Dice

Tech Careers

Career Explorer

Insights

For Employers

Login/Register

software engineer

Job title, Keywords, Company

📍

Search Location

City, Country, Postal code

🔍

Search Jobs

7,274 Jobs

Filter Results:

Posted Date

Any Date

Today

Last 3 Days

Last 7 Days

Employment Type

☐ Full-time (5670)

☐ Part-time (10)

☐ Contract (1575)

☐ Third Party (433) @

Distance

Employer Type

🔔

Email me jobs for this search

We receive over 1,000 new job postings a day.

software engineer

Email Jobs

P

Senior Software Engineer (Full Stack-Java, Angular)

Save

Penske

📍 Reading, PA, USA

📅 Full-time

🕒 16 days ago

DescriptionPenske Truck Leasing has an exciting opportunity to join our IT Development team! You will get to work with some of the latest technologies to deliver innovative logistics solutions to our customers. We

Sponsored

C

IT Associate, Level II - Software Engineering

Save

CUNY School of Professional Studies

📍 New York, NY, USA

📅 Full-time

🕒 3 days ago

CUNY School of Professional Studies Job Title: IT Associate, Level II - Software Engineering Job ID: 21396 Location: School of Professional Studies Full/Part Time: Full-Time Regular/Temporary: Regular GENERAL

Sponsored

Data Services Software Engineer

Save

AmeriHome Mortgage Company, LLC

📍 Westlake Village, CA, USA

Dice

Tech Careers

Career Explorer

Insights

For Employers

Login/Register

Search Term

Job title, Keywords, Company

📍

Search Location

City, Country, Postal code

🔍

Search Jobs

Home / Search / Job Details

Software Engineer

Apply Now

Create Alert

Save

🔗

Northrop Grumman

,

Melbourne, FL

🕒 5 hours ago

🚩 Report a poor listing

📦

Aerospace, Systems, Software, Engineer, Engineering, Java, Computer, Linux

📅

Full Time

🏠

Work from home not available Travel not required

NORTHROP GRUMMAN

Dice Id : 10122071

Position Id : 19026943

Originally Posted : 3 months ago

Have a Job?

Post It

Similar Positions

Software Engineer

Robert Half Technology

Melbourne, FL

Software Developer

Comprehensive Health Services

Cape Canaveral, Florida

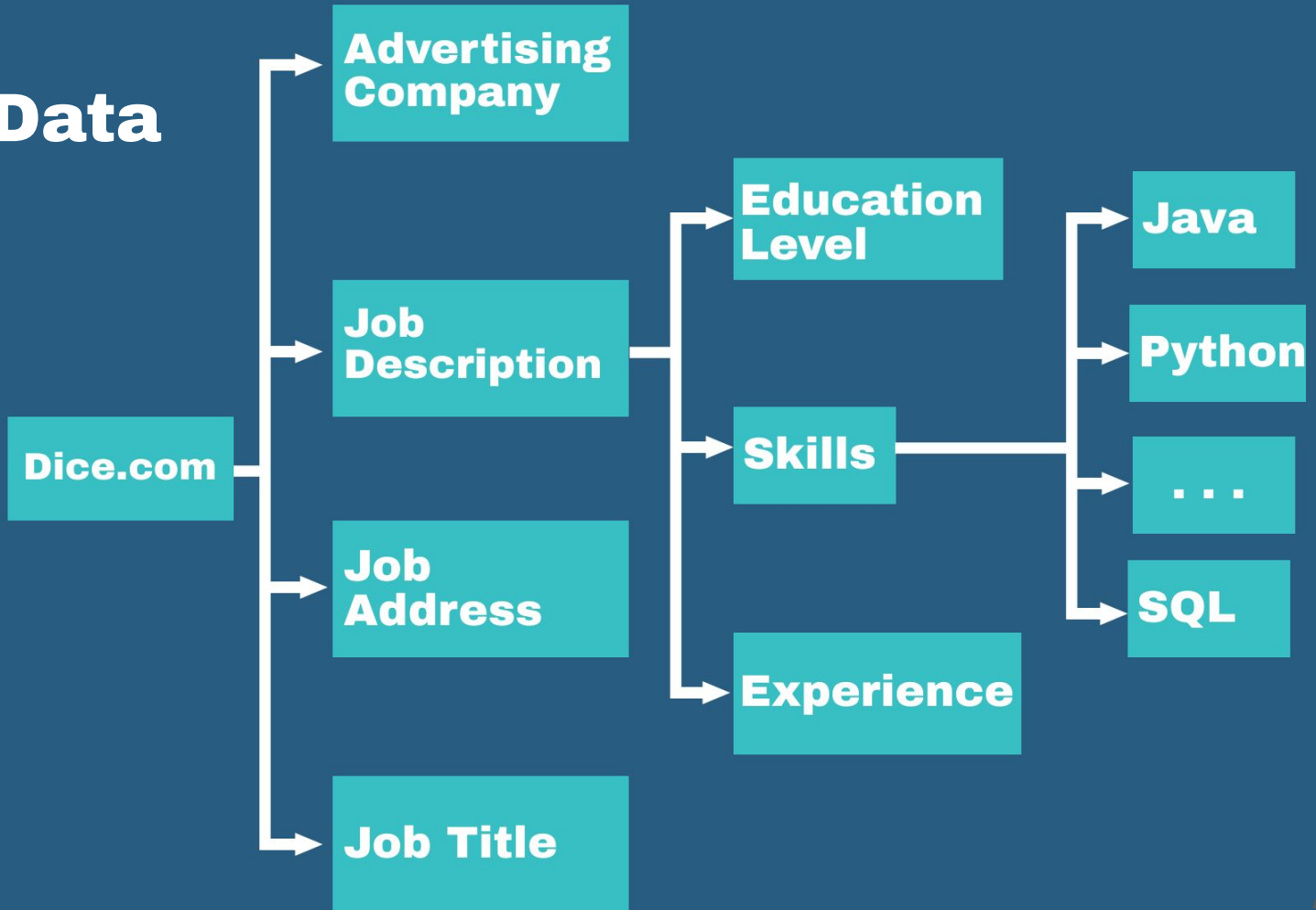
Job Description

Northrop Grumman Aerospace Systems has an opening for a **Software Engineer** to join our team of qualified, diverse individuals. This position will be located in **Melbourne, Florida**.

Essential Functions:

The Software Engineer will develop, modify and maintain customized or standardized applications using software engineering best practices and standards, and participate in the full life-cycle of software development, to include requirements analysis, modeling and design, application development, unit and CSCL level testing, integration

# Parsing Data



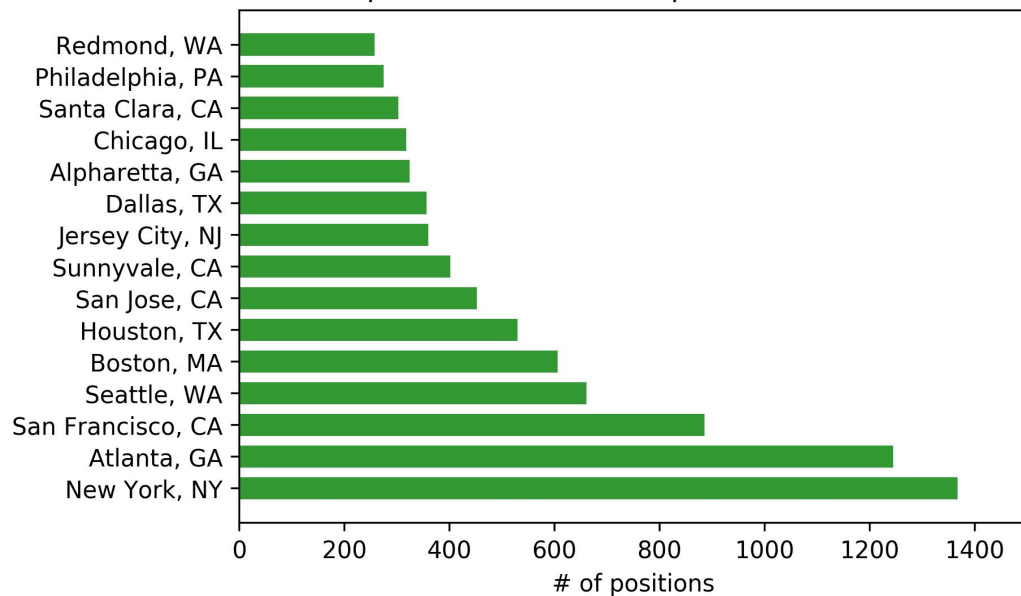
**Date: 2017**

**About 22,000 Job  
Postings Parsed**



# What cities have the most jobs?

Top 15 cities with most positions available

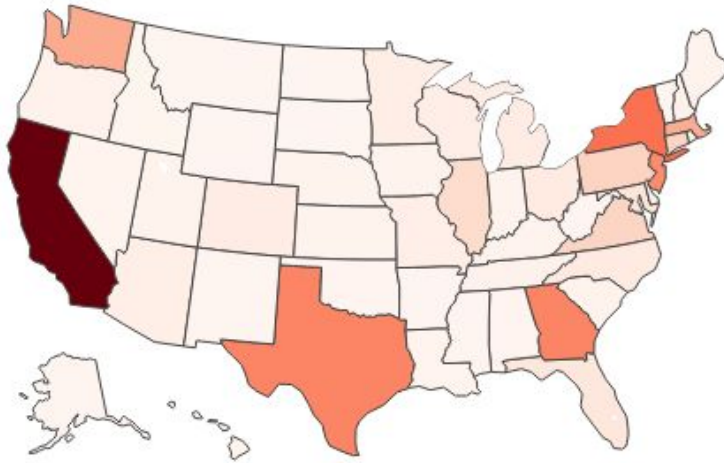


Mostly East and West Coast



# What states have the most jobs?

Number of technology positions available by state

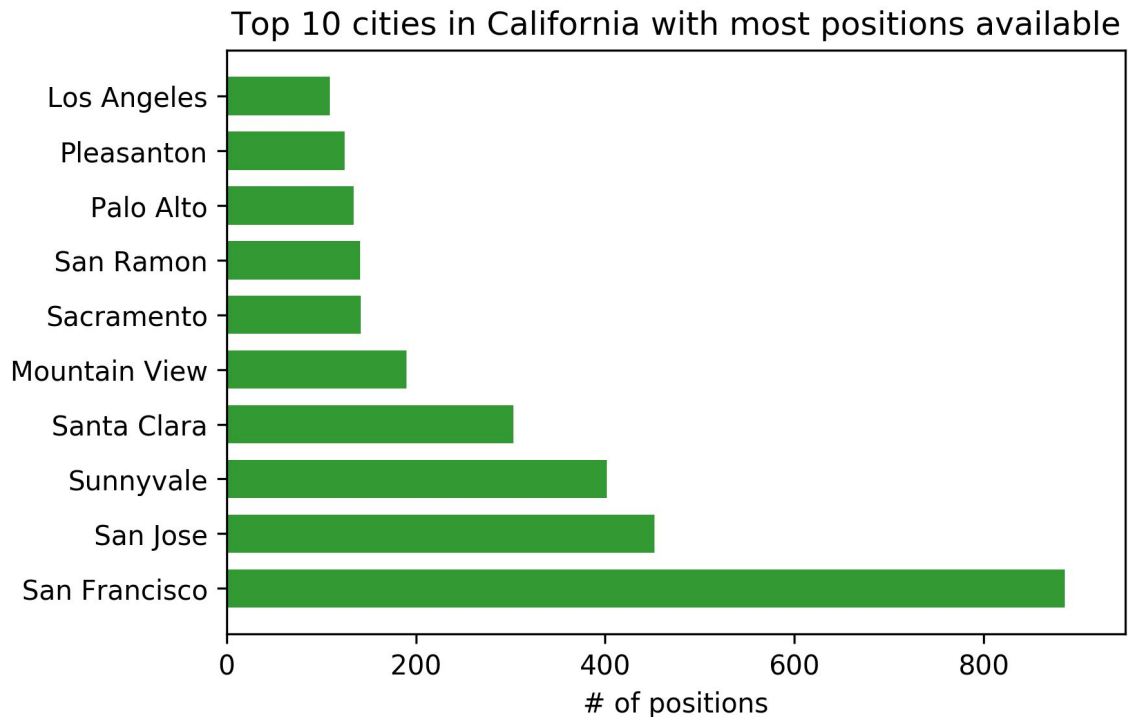


Top 5:

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



# Top Cities In California

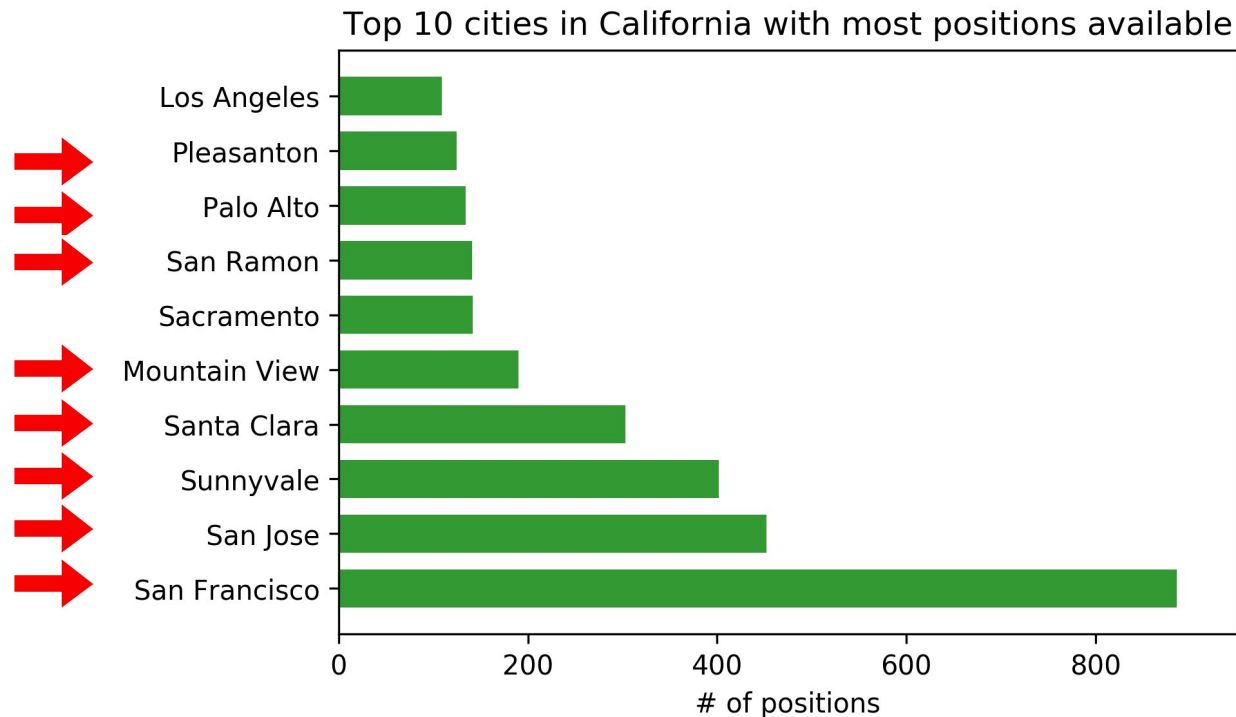






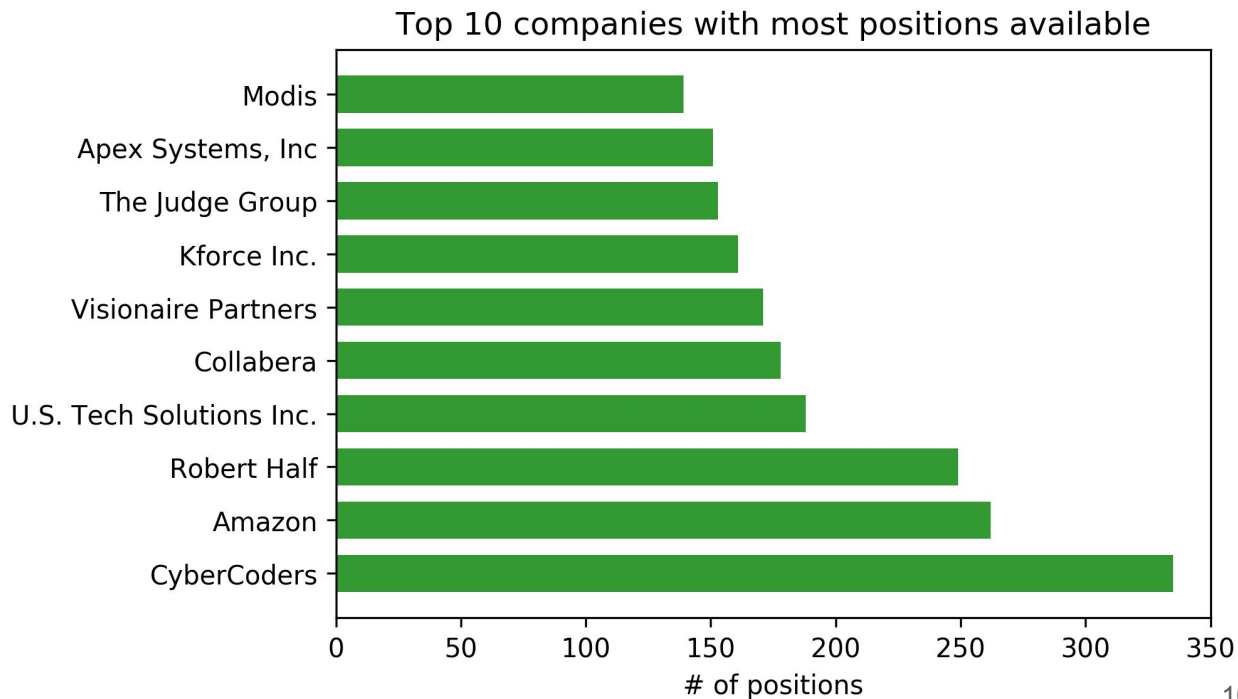
# Top Cities In California

Most Cities  
Are In The  
Bay Area





# Who is hiring the most?



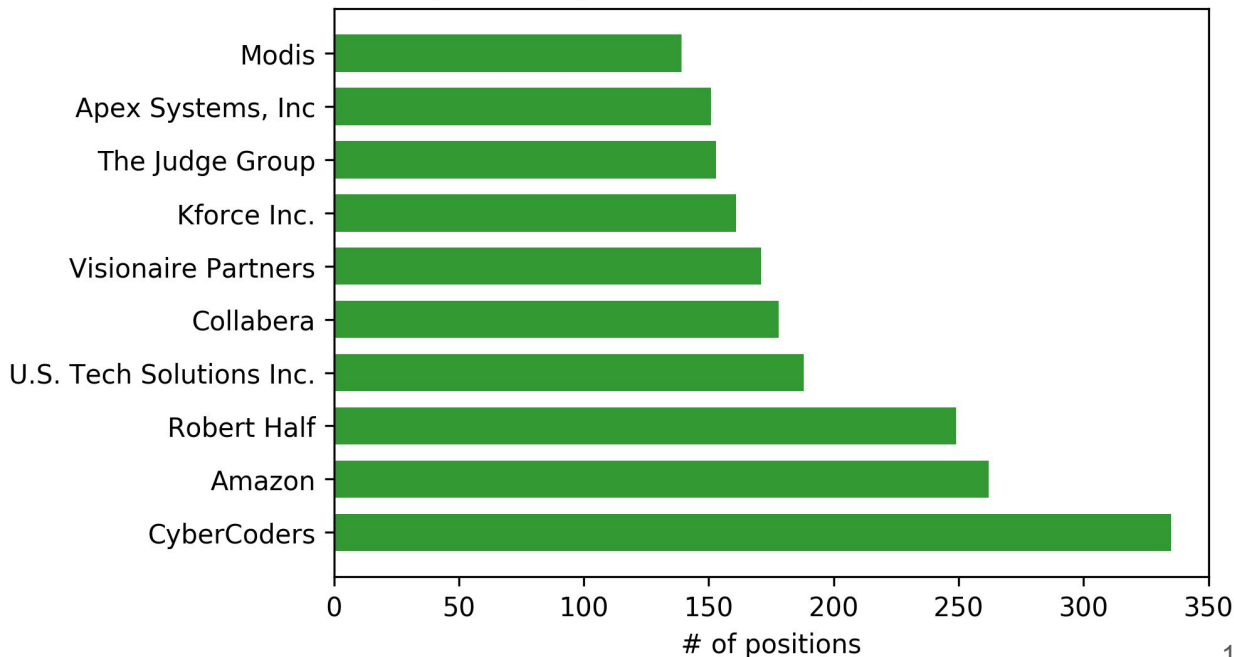


# Who is hiring the most?

Most job  
postings are  
by 3rd-party  
staffing  
agencies

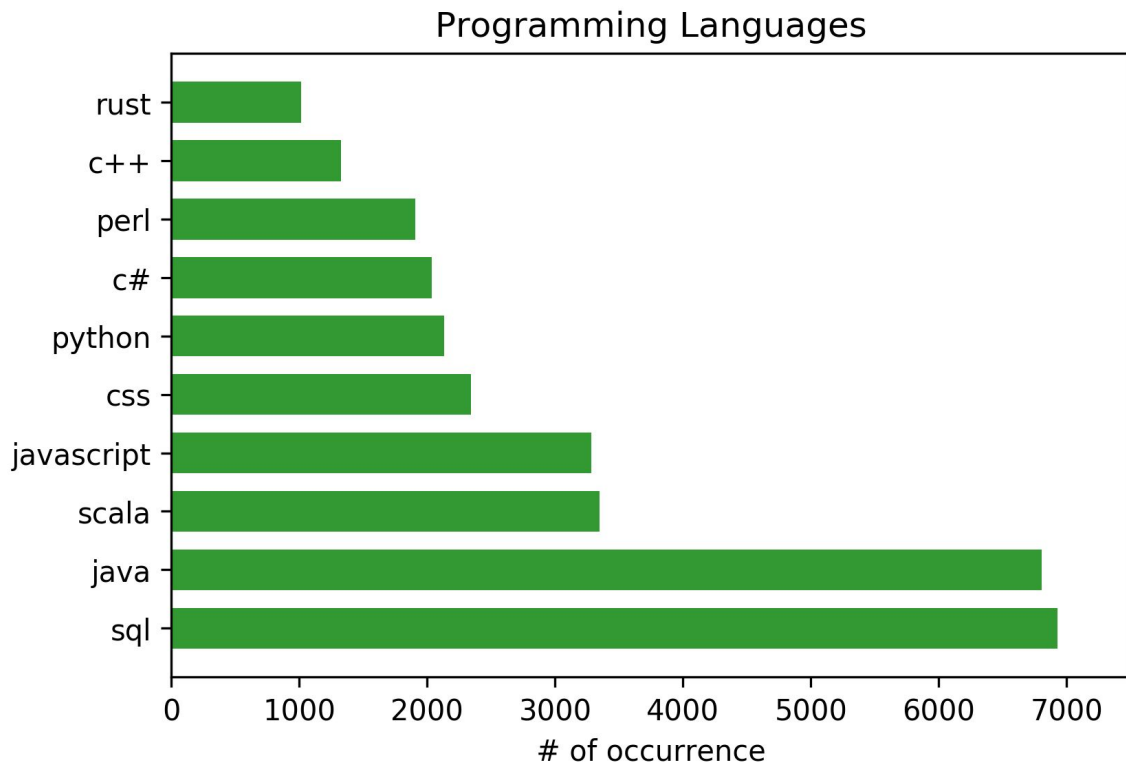


Top 10 companies with most positions available



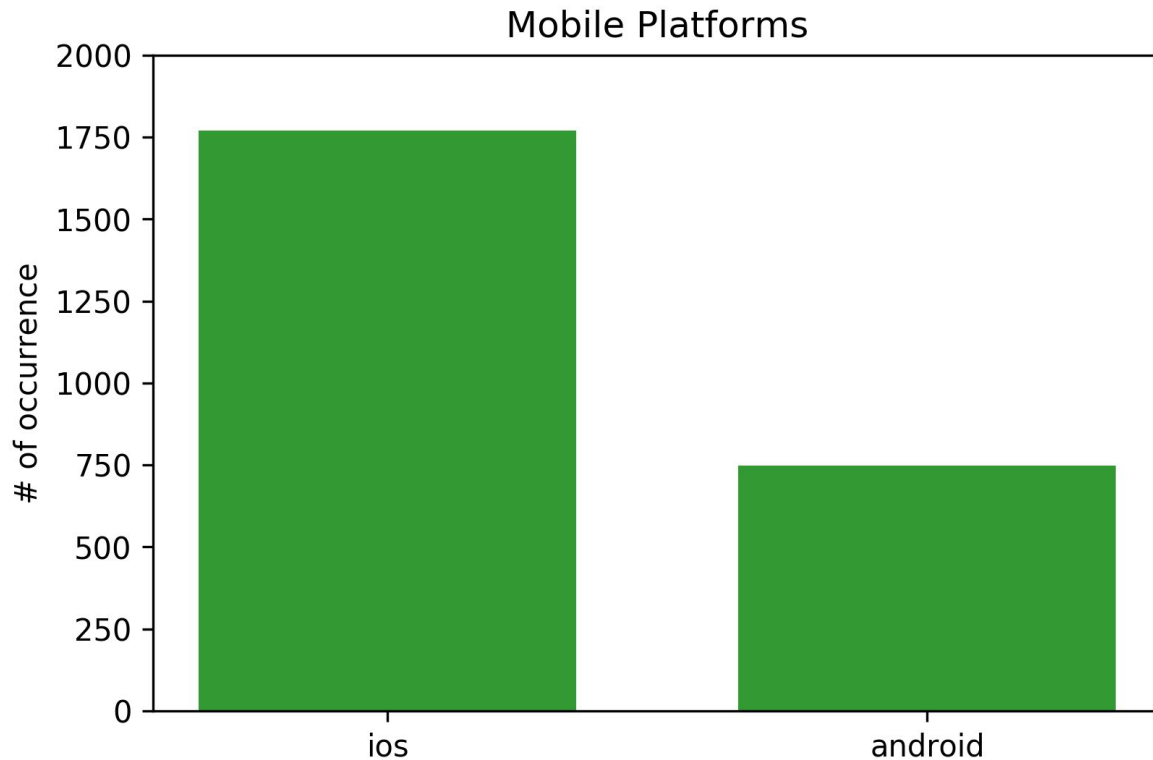


# What languages are most popular



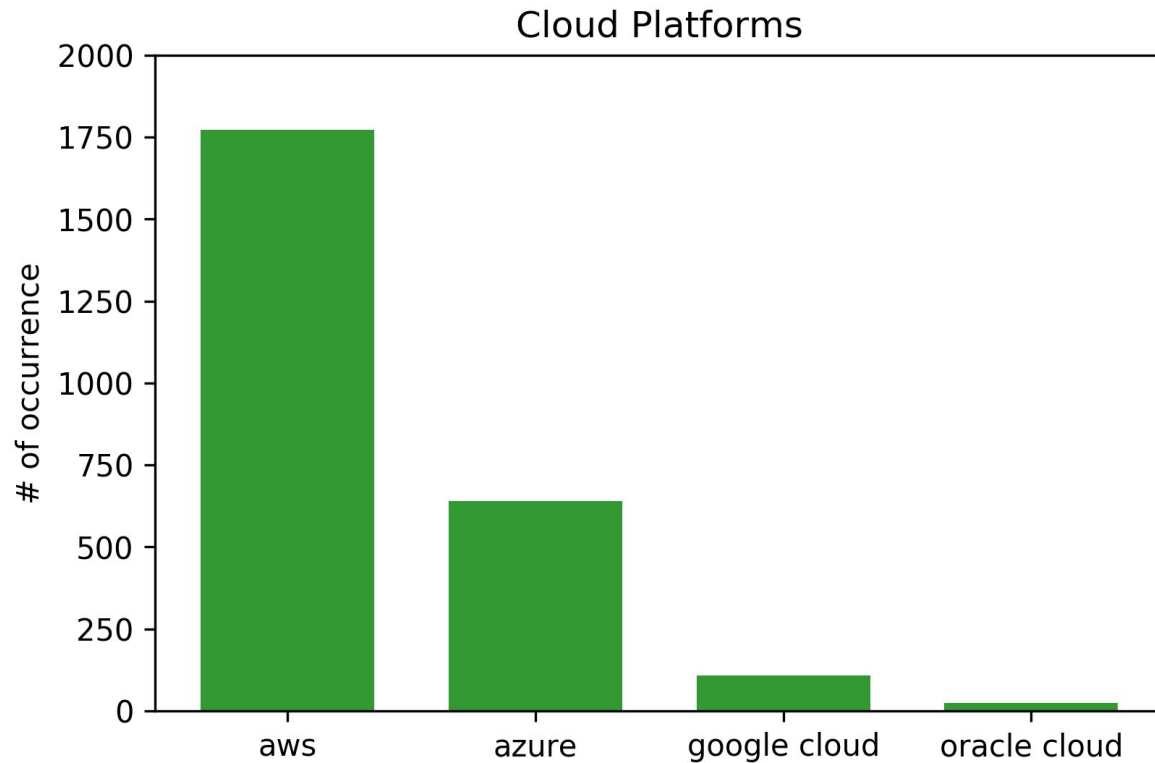


# What skills are most popular



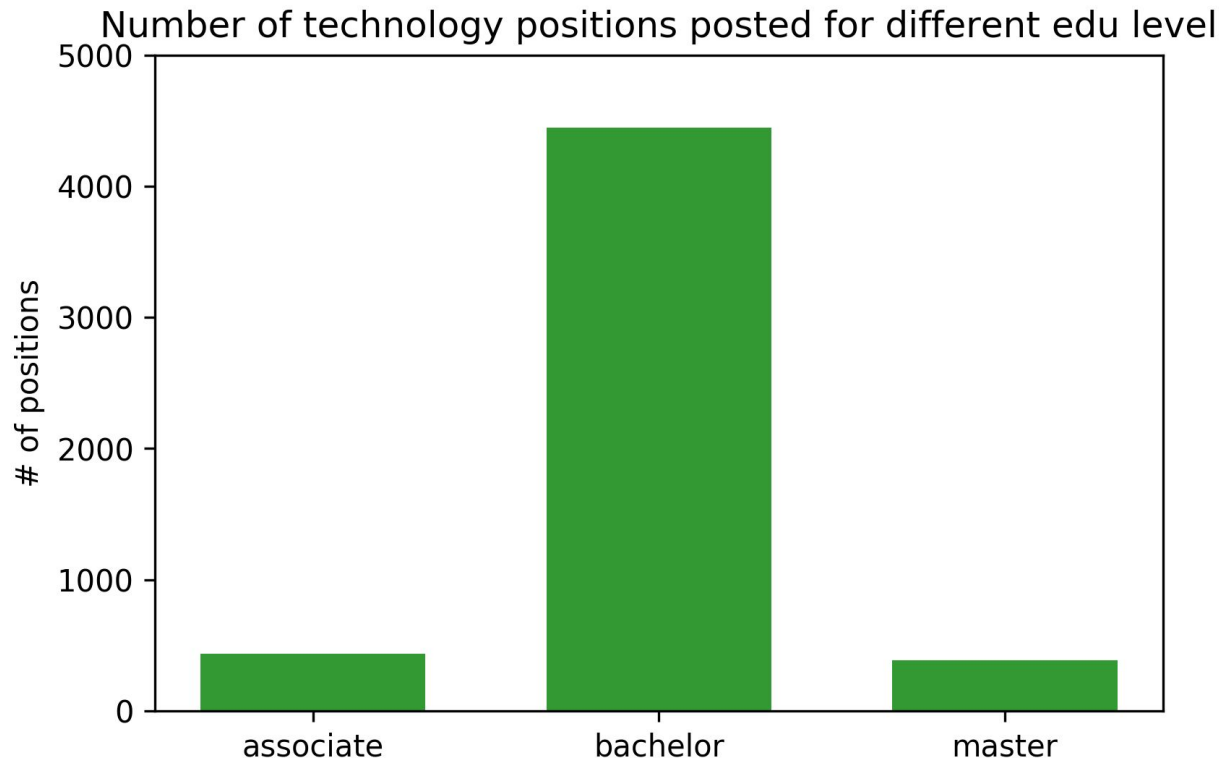


# What skills are most popular



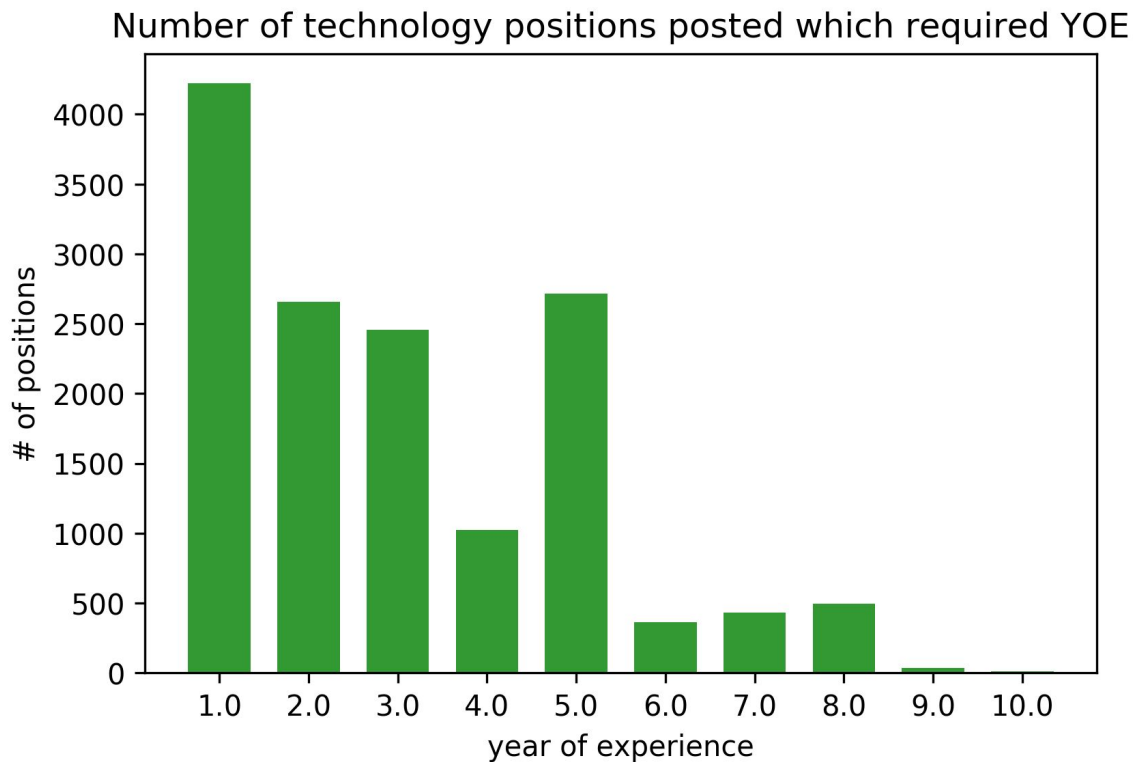


# Degree Required





# Years of experience needed

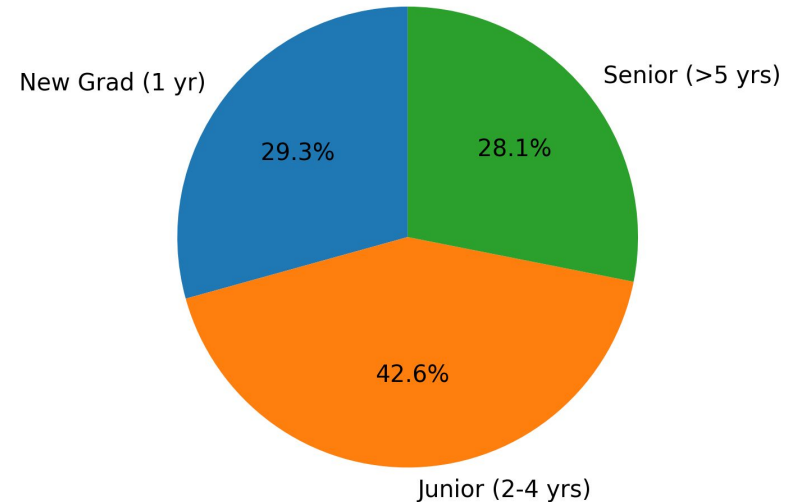
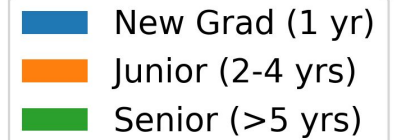
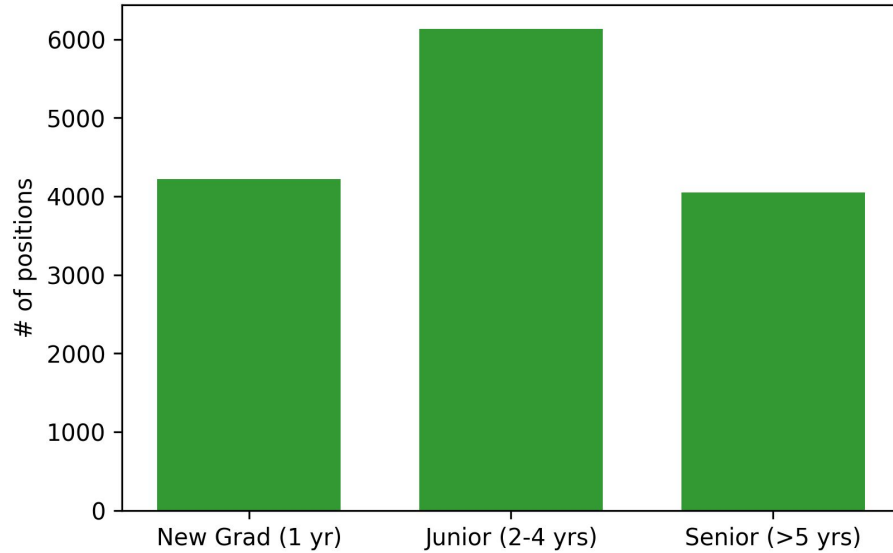






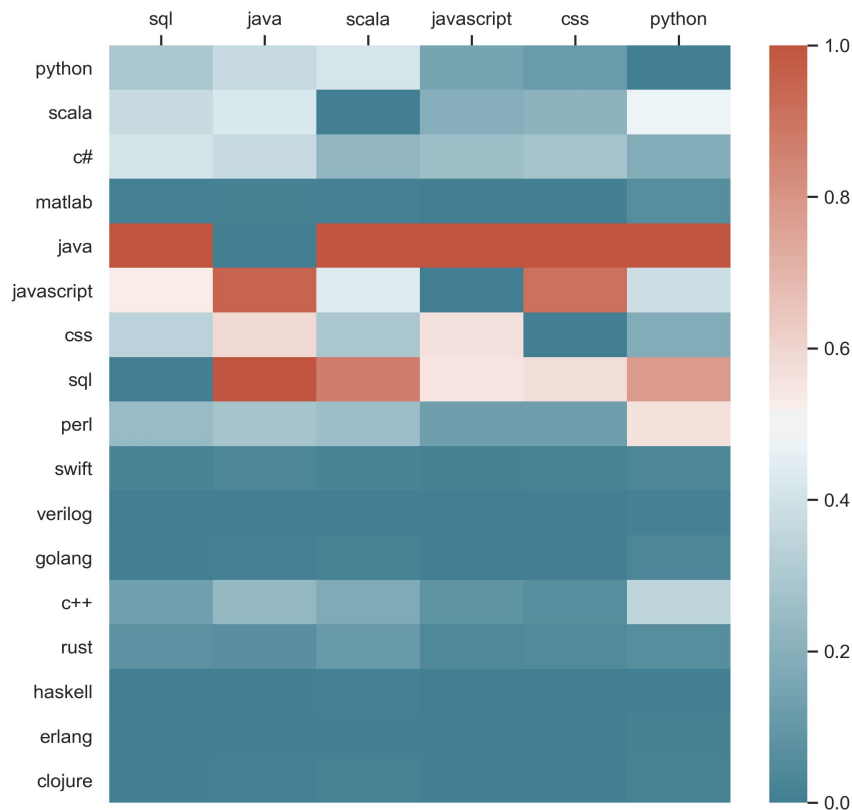
# Jobs are available for different YoE

Number of technology positions posted for different experience level





# Complimenting Languages



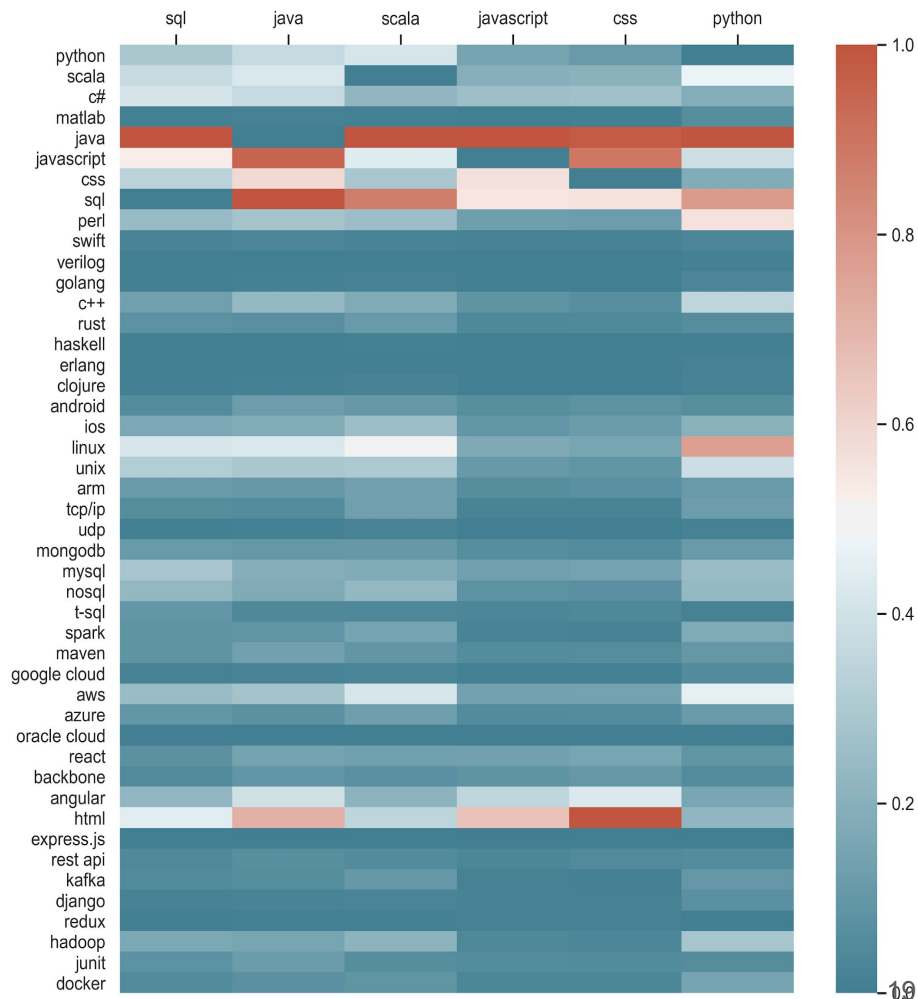
*If I know one language, what else do I need to learn?*

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



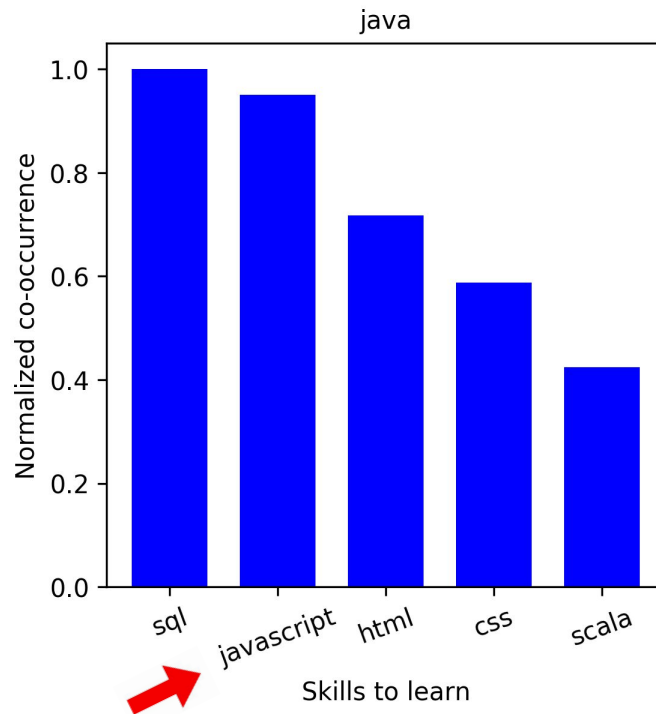
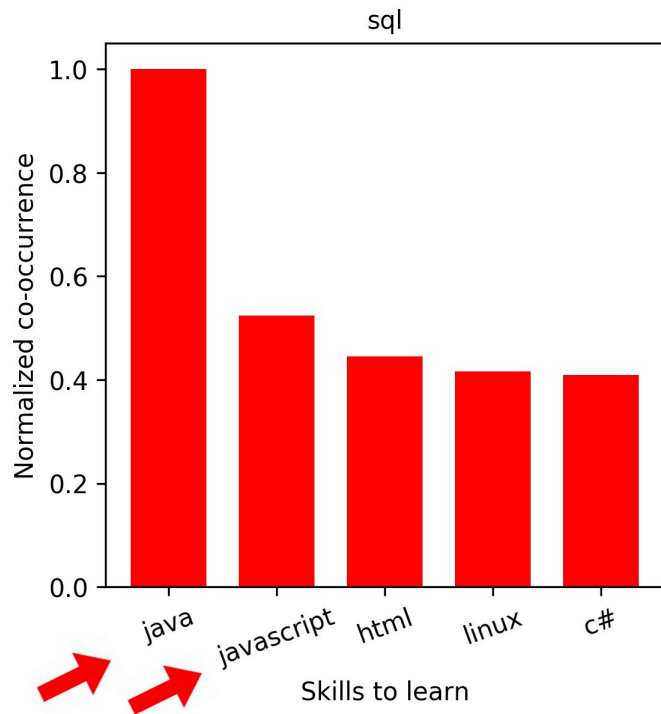
# Complimenting skills

*If I know one skill well, what else do I need to learn?*



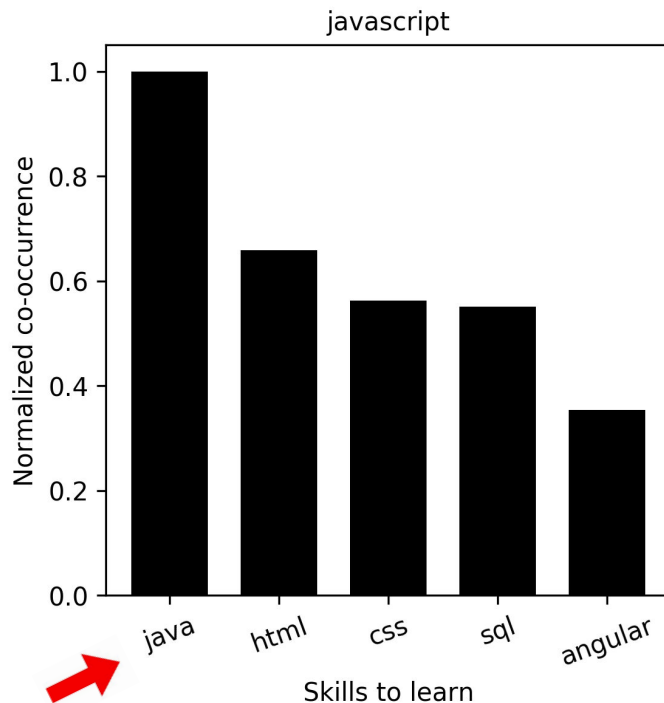
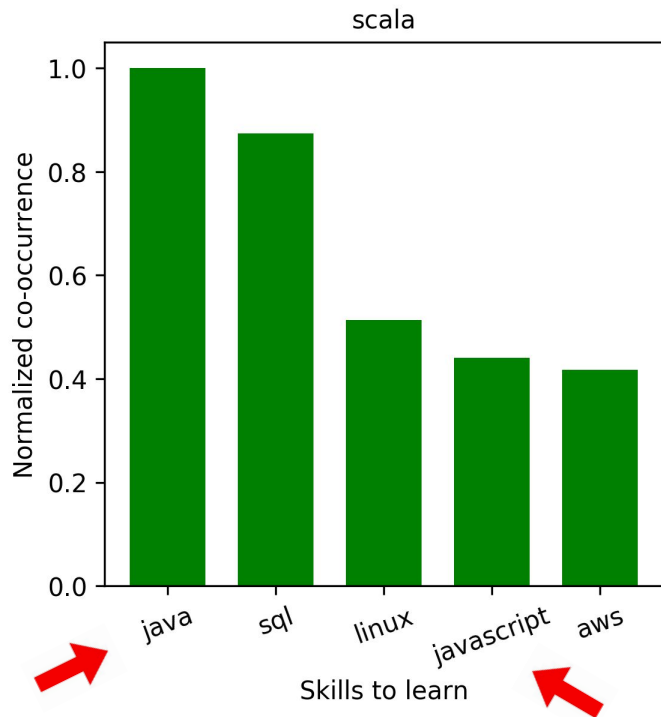


# Skills that compliment mine



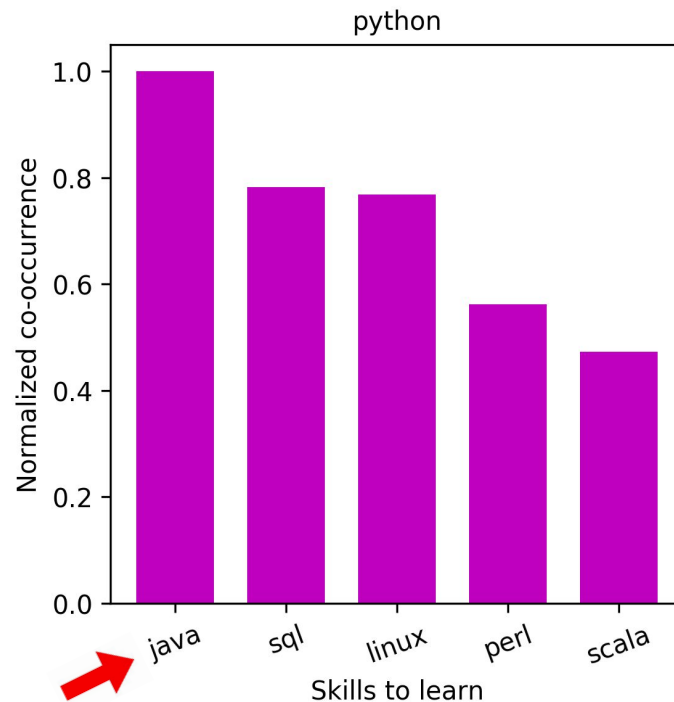
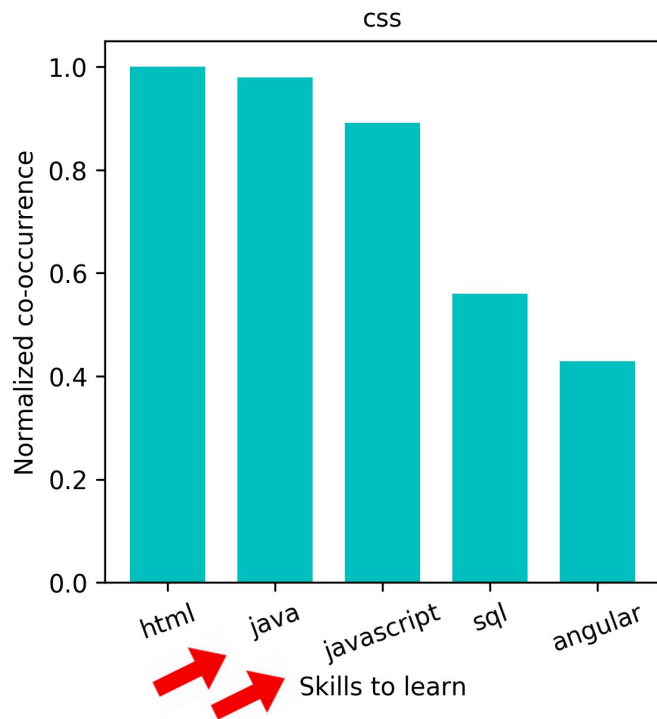


# Skills that compliment mine





# 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