



Group 14
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Yunzhe Hu, Yu Hong



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

Dice

Tech CareersCareer ExplorerInsights

For EmployersLogin/Register

Job title, Keywords, CompanyCity, Country, Postal code

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.

P

Senior Software Engineer (Full Stack-Java, Angular)
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
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

AmeriHome Mortgage Company, LLC  Westlake Village, CA, USA

Dice


Tech CareersCareer ExplorerInsights


For EmployersLogin/Register


Job title, Keywords, CompanyCity, Country, Postal code


Home / Search / Job Details


Software Engineer

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?

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**.

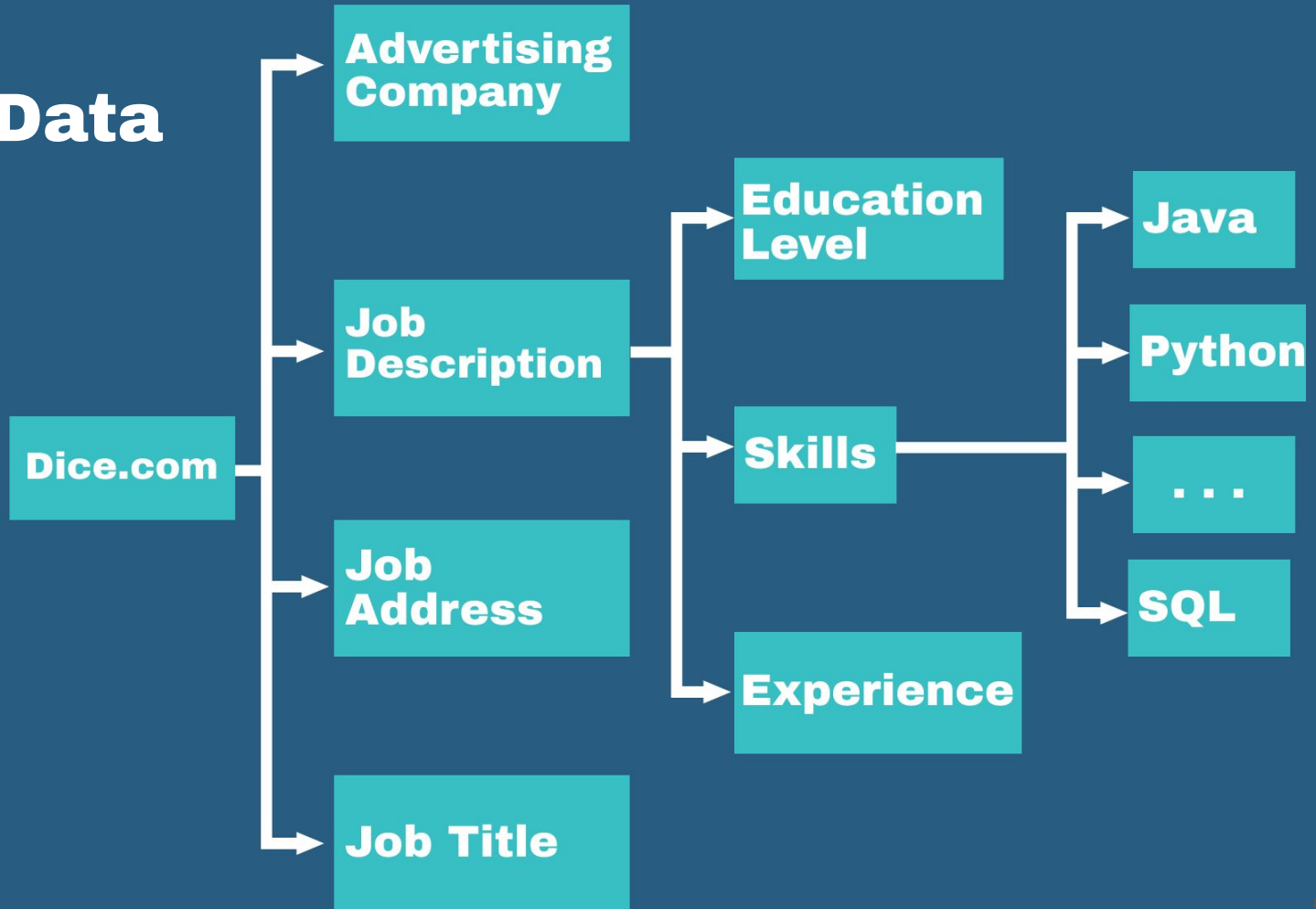
Essential Functions:
The Software Engineer will develop, modify and maintain customized or standardized applications using software engineering best practices and standards, and participate in the full life-cycle of software development, to include requirements analysis, modeling and design, application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

Similar Positions

Software Engineer
Robert Half Technology Melbourne, FL

Software Developer
Comprehensive Health Services
Cape Canaveral, Florida

Parsing Data



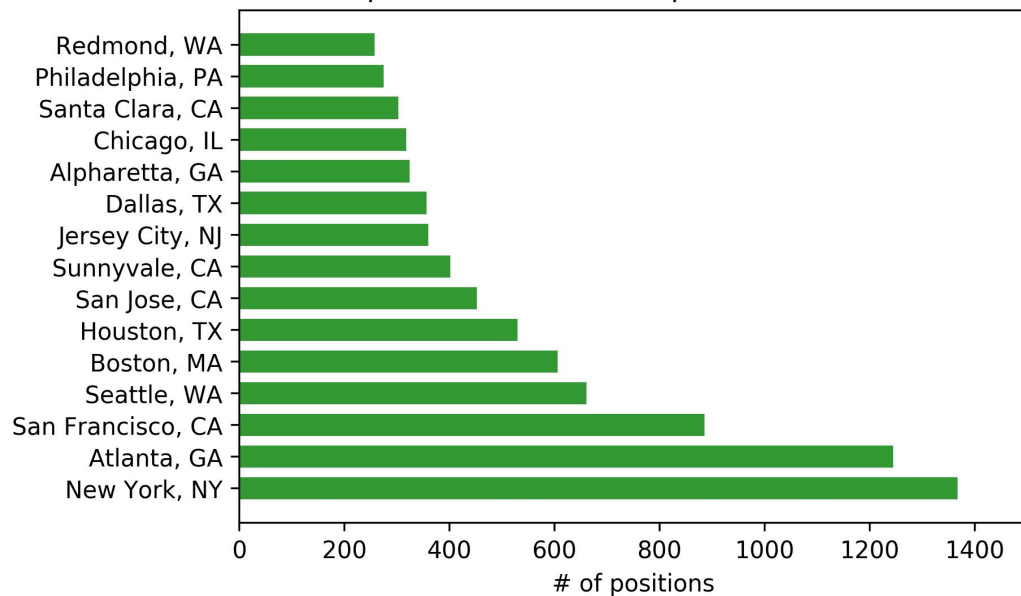
Date: 2017

**About 22,000 Job
Postings Parsed**



What cities have the most jobs?

Top 15 cities with most positions available

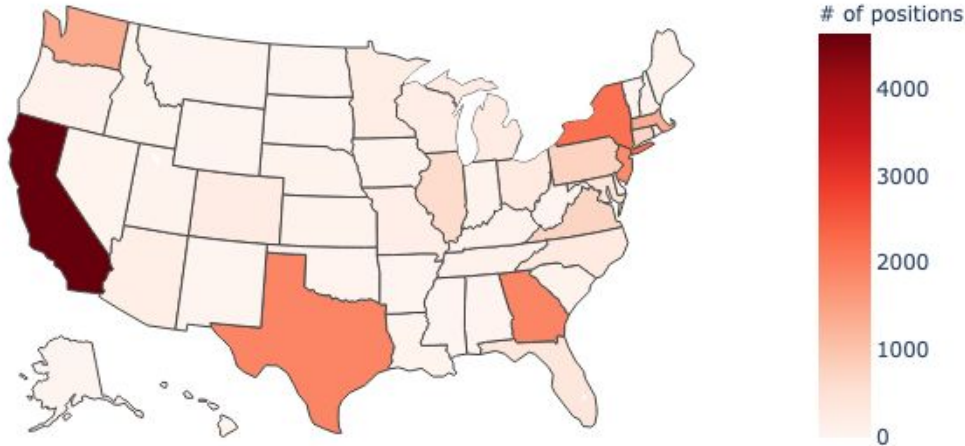


Mostly East and West Coast



What states have the most jobs?

Number of technology positions available by state

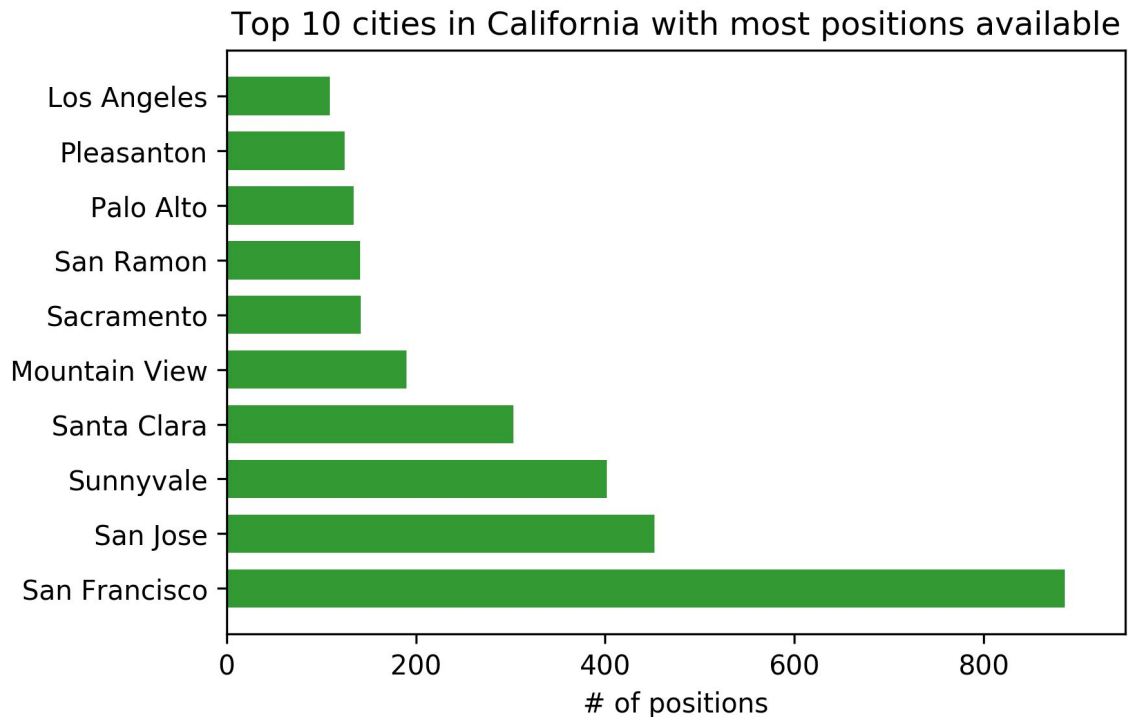


Top 5:

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



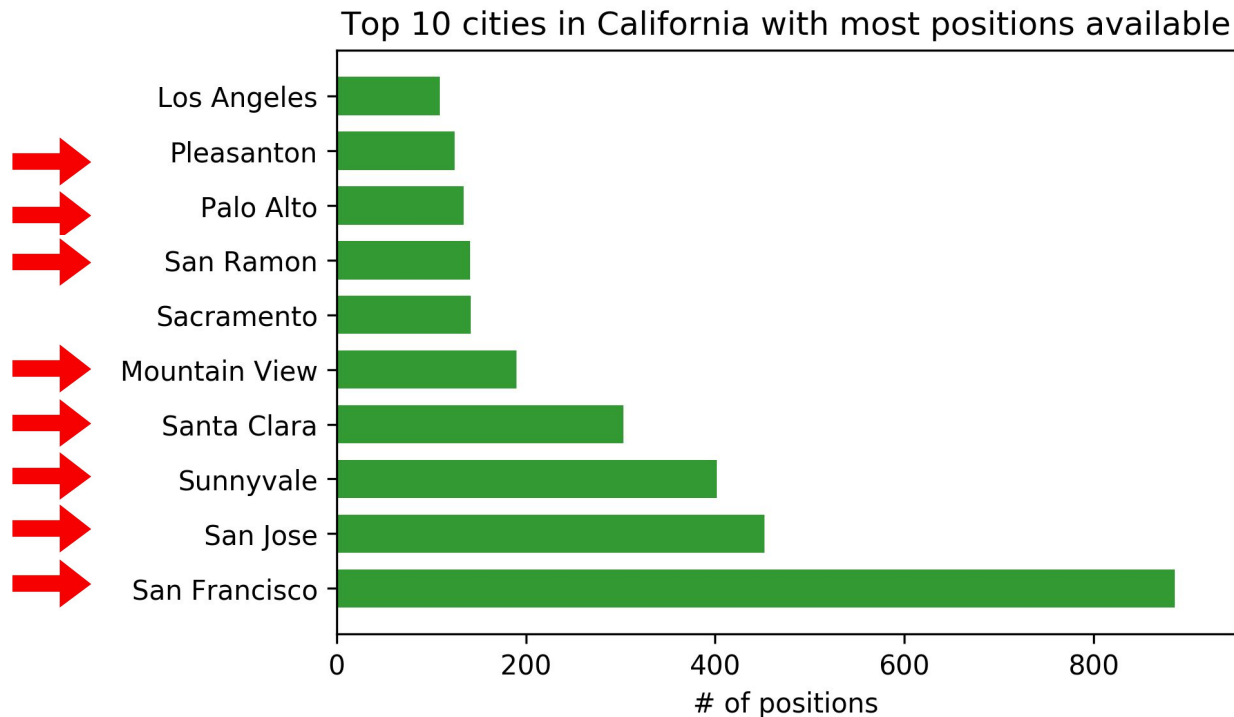
Top Cities In California





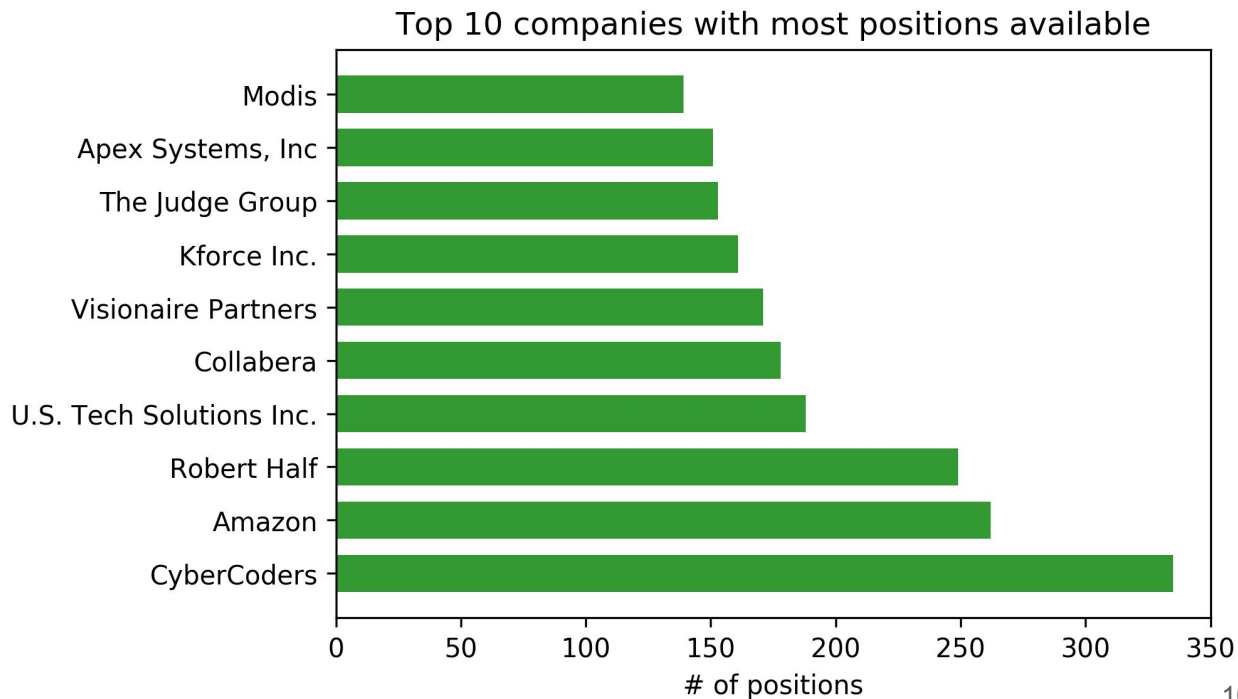
Top Cities In California

Most Cities
Are In The
Bay Area





Who is hiring the most?



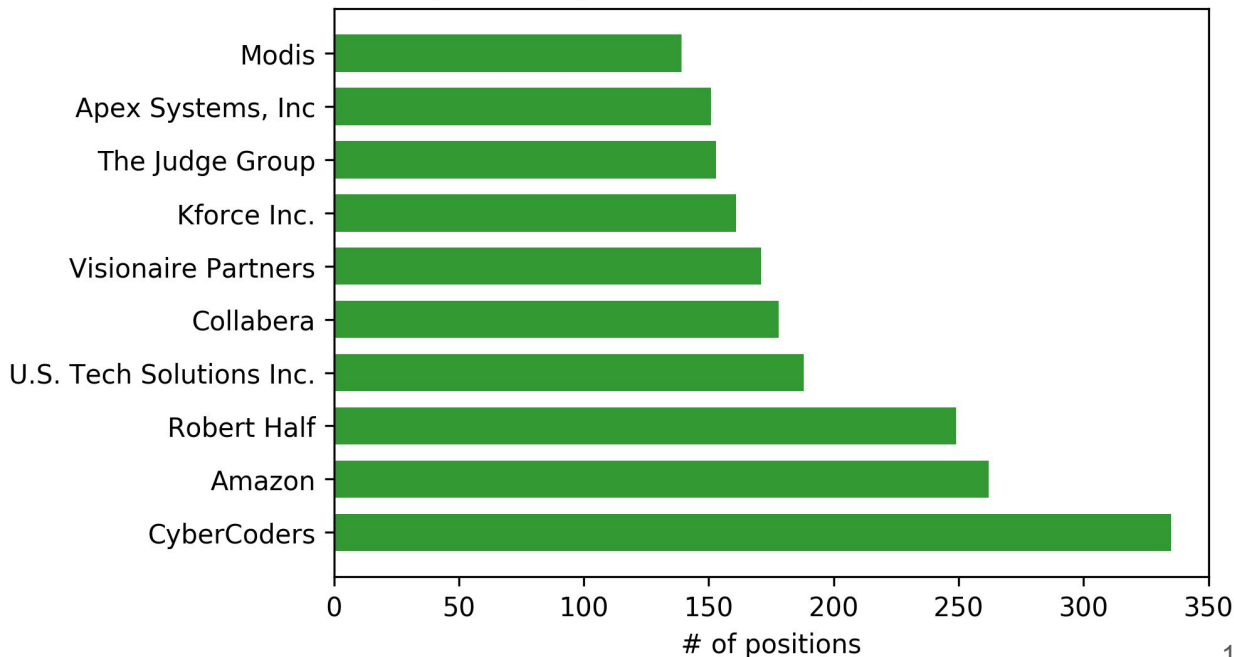


Who is hiring the most?

Most job
postings are
by 3rd-party
staffing
agencies

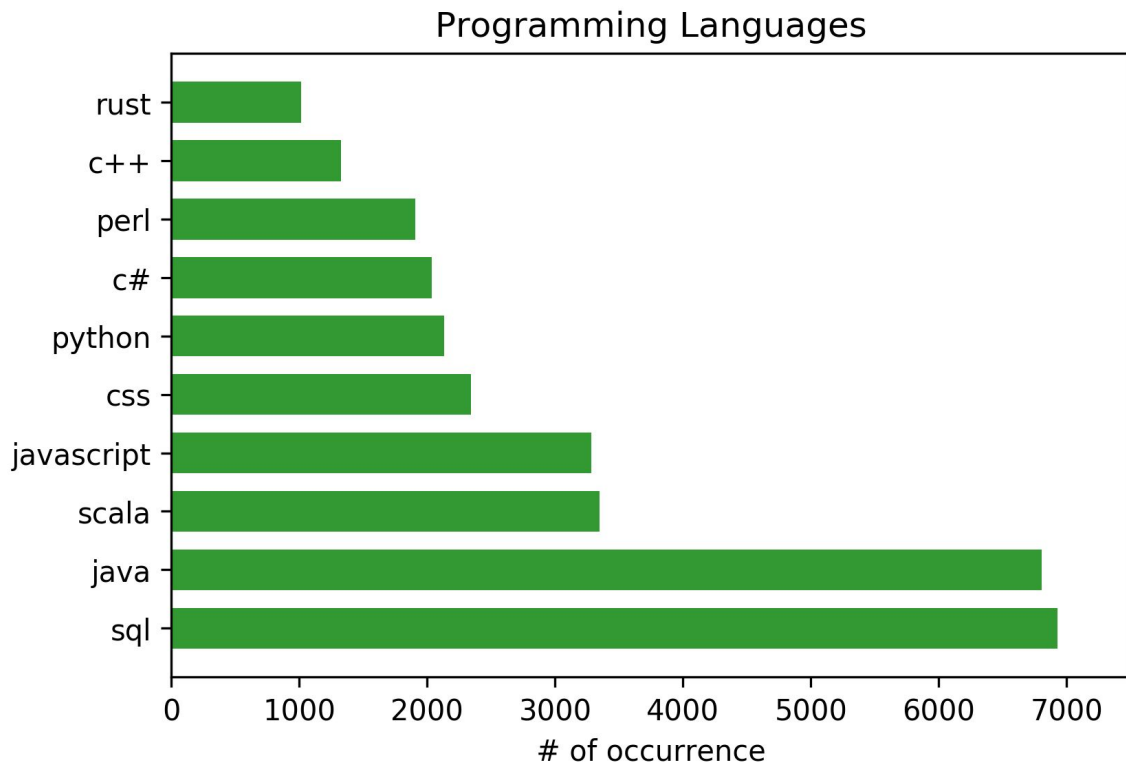


Top 10 companies with most positions available



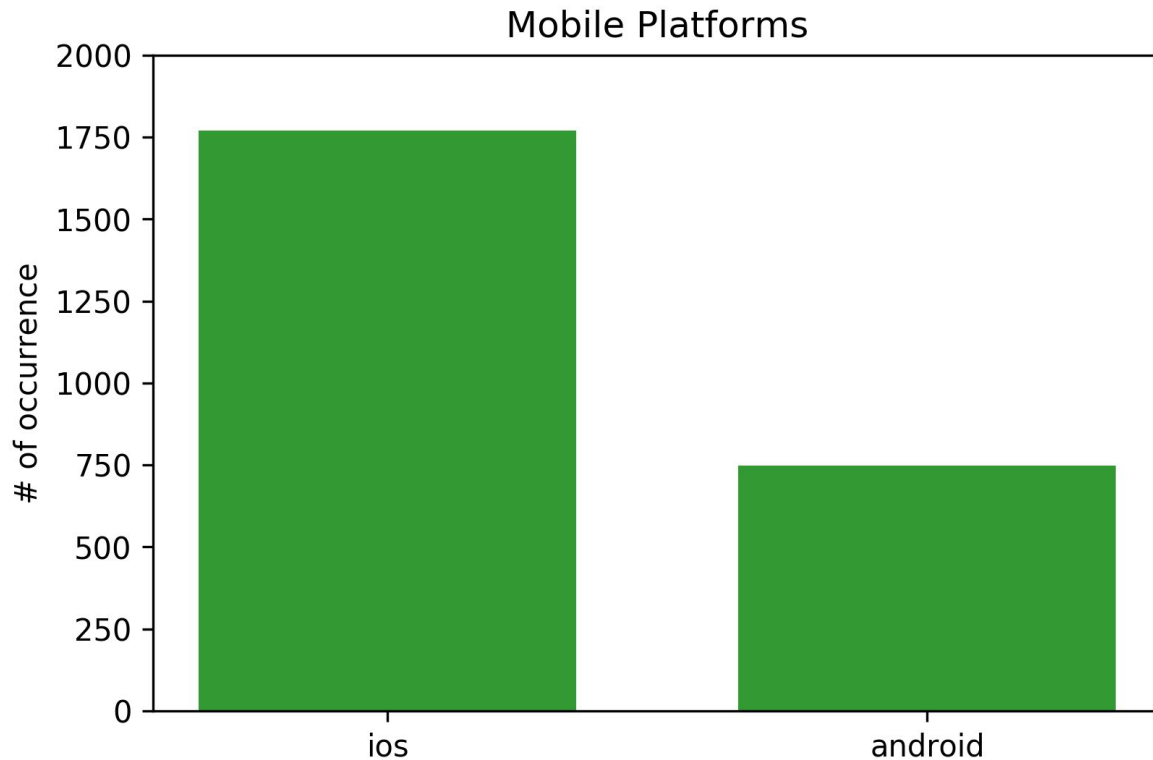


What languages are most popular



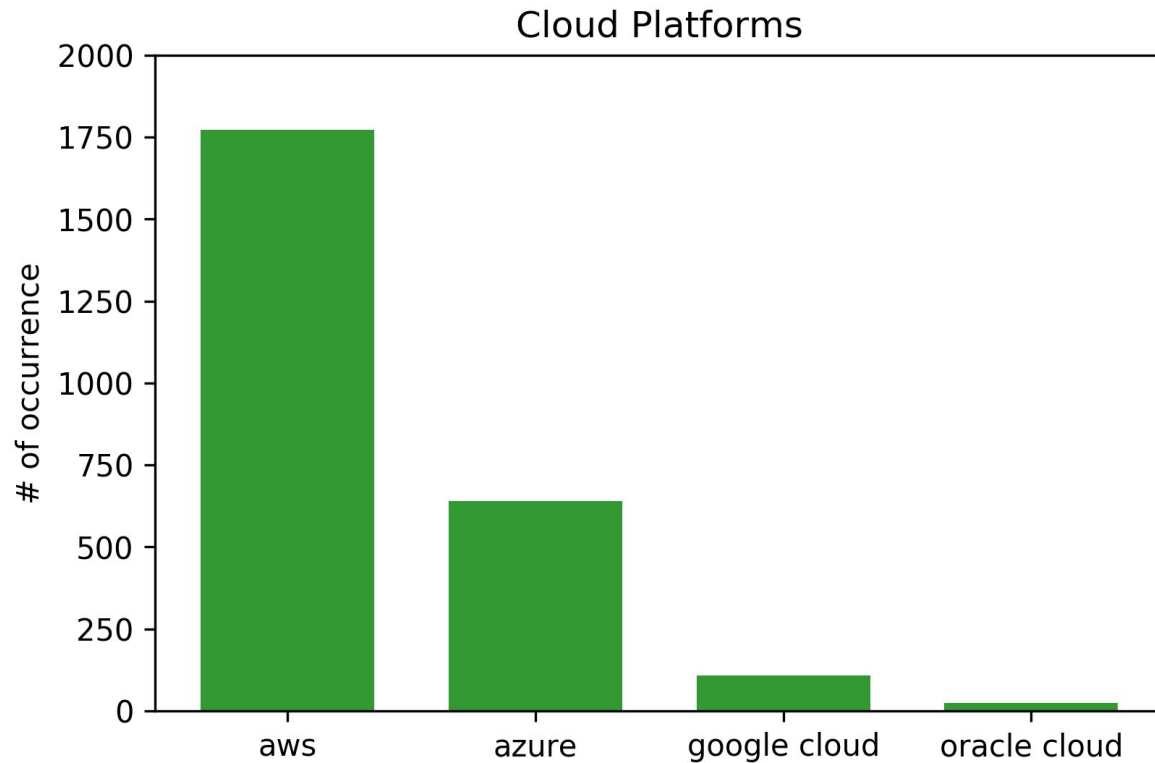


What skills are most popular



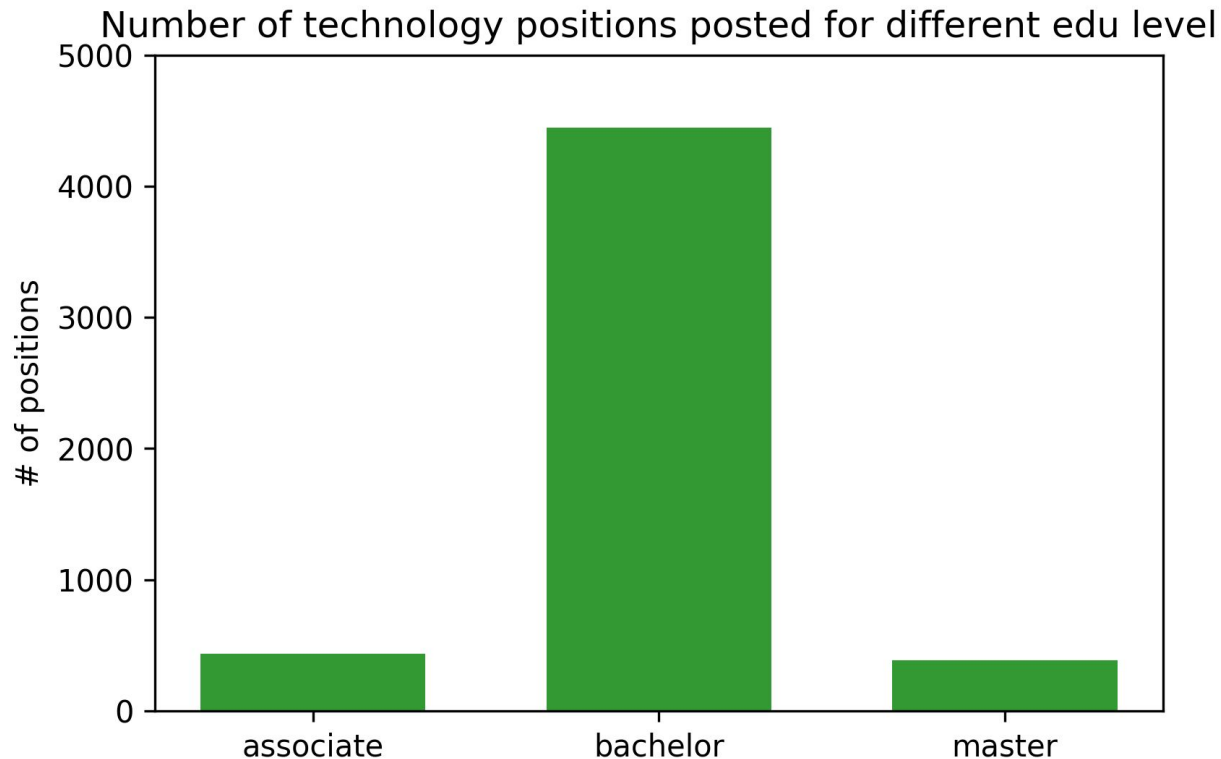


What skills are most popular



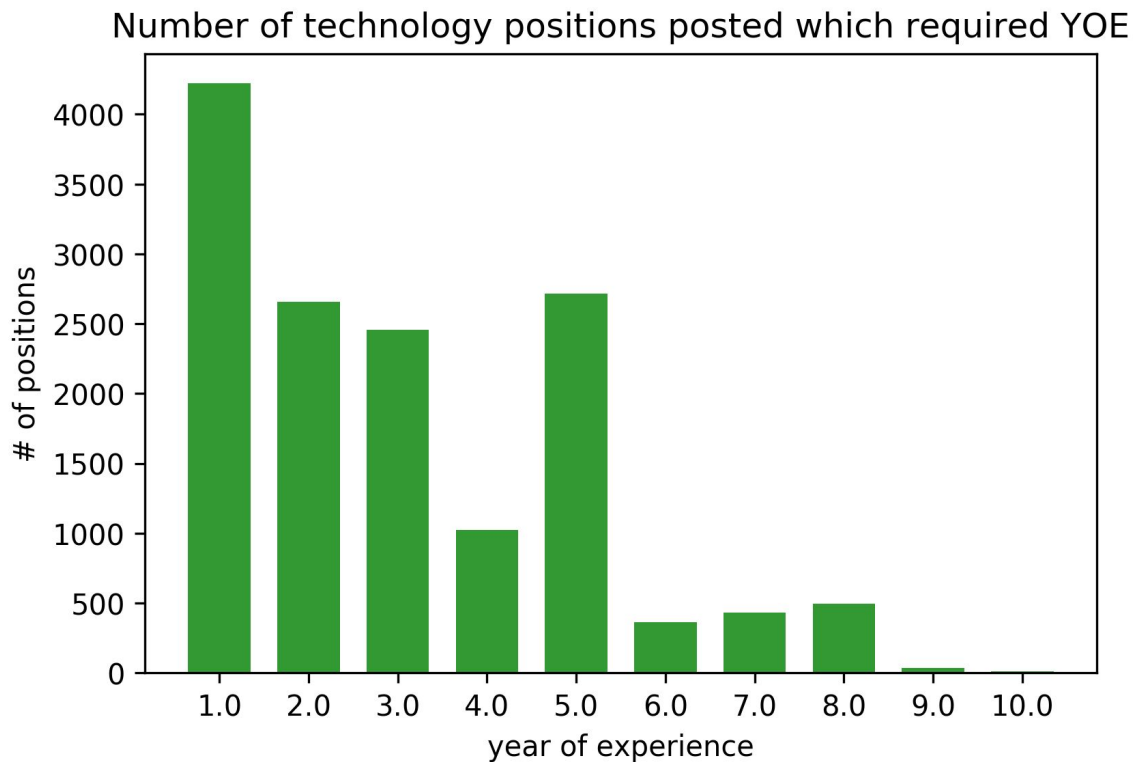


Degree Required





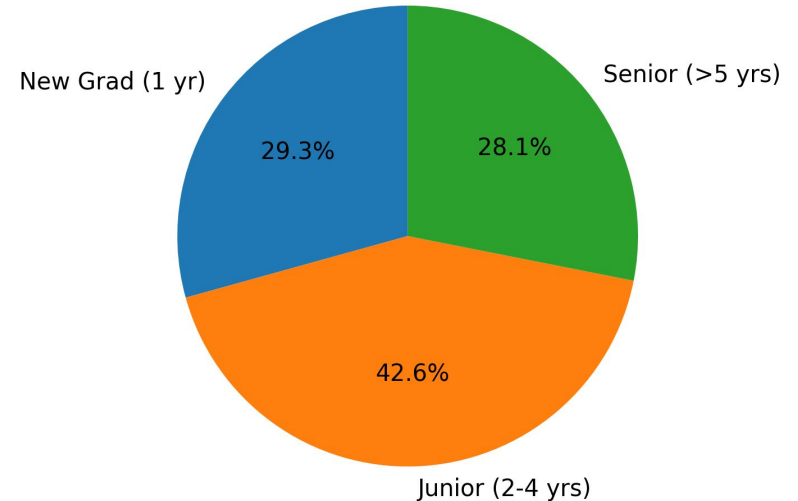
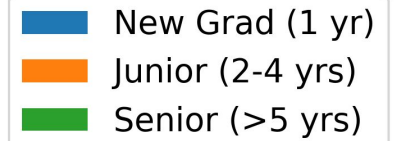
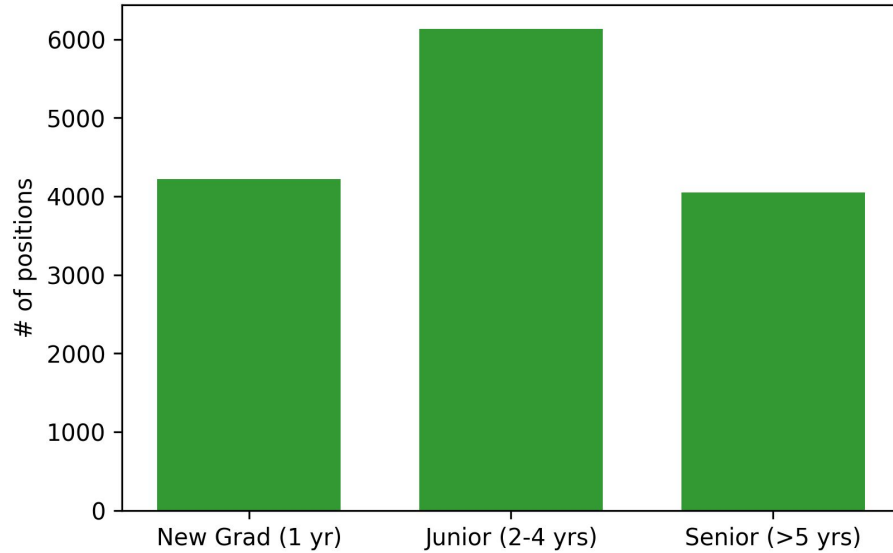
Years of experience needed





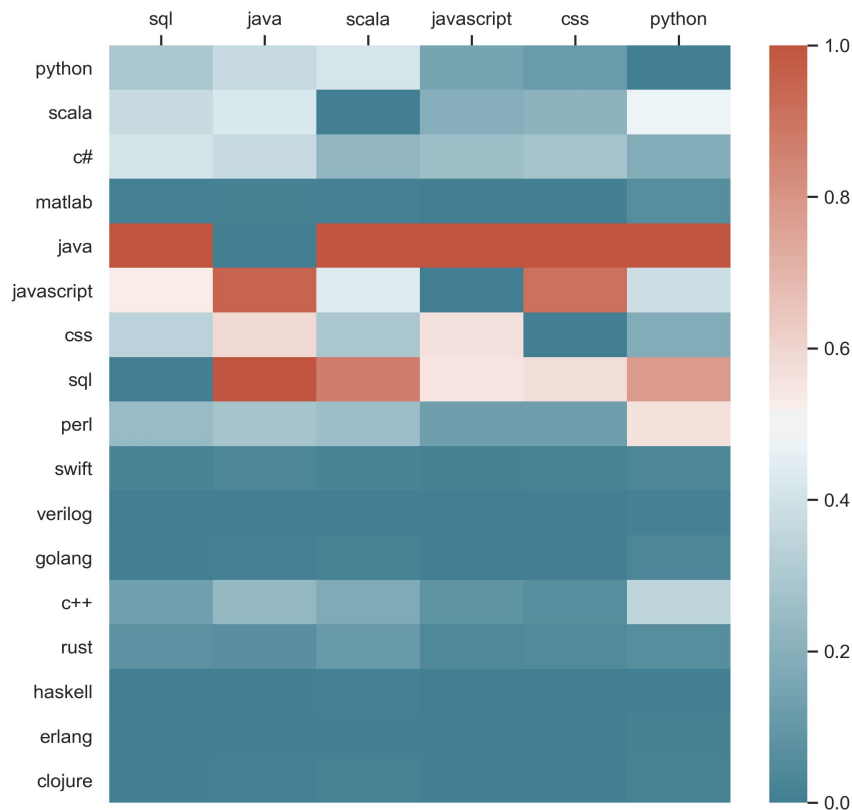
Jobs are available for different YoE

Number of technology positions posted for different experience level





Complimentary Languages



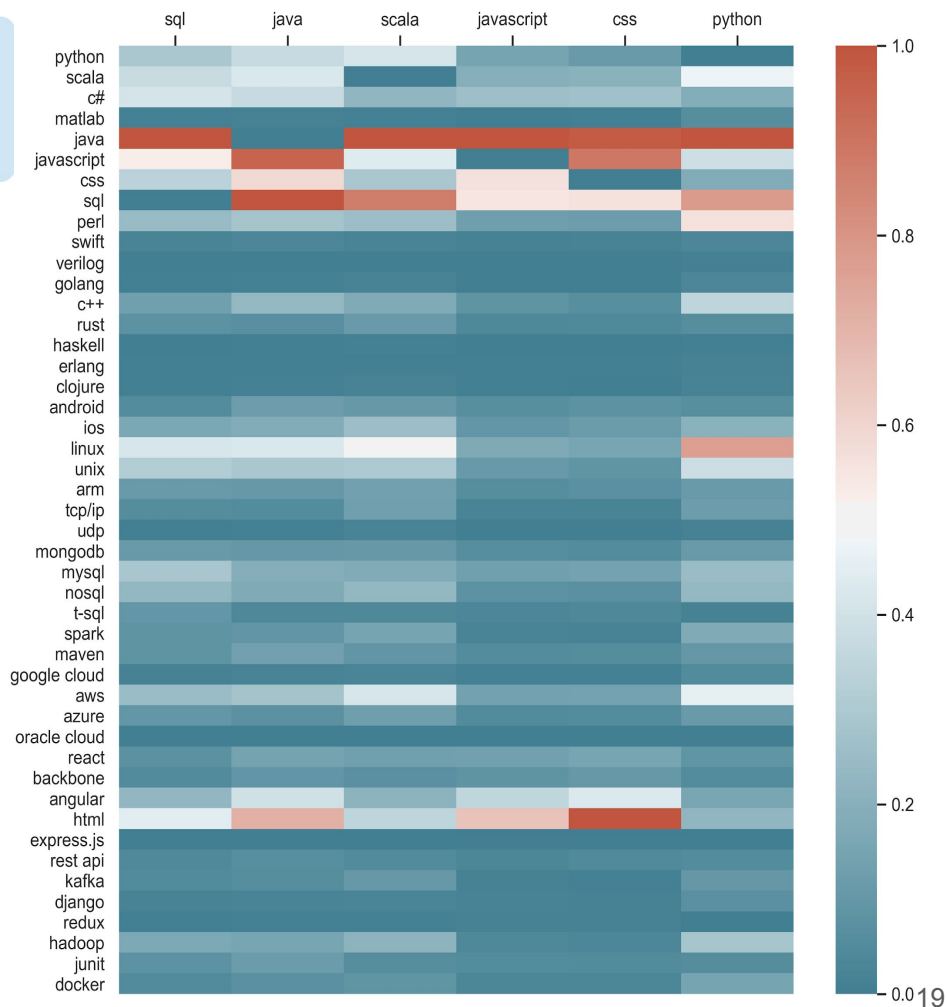
If I know one language, what else do I need to learn?

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



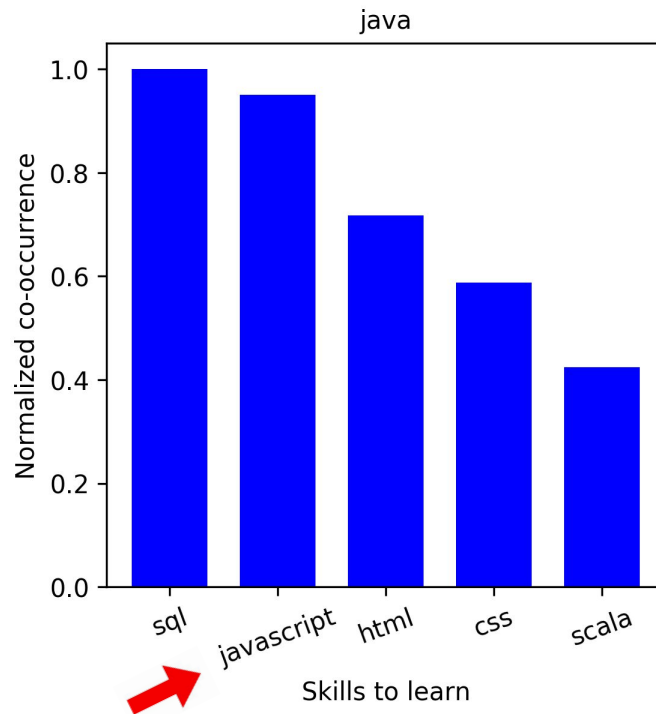
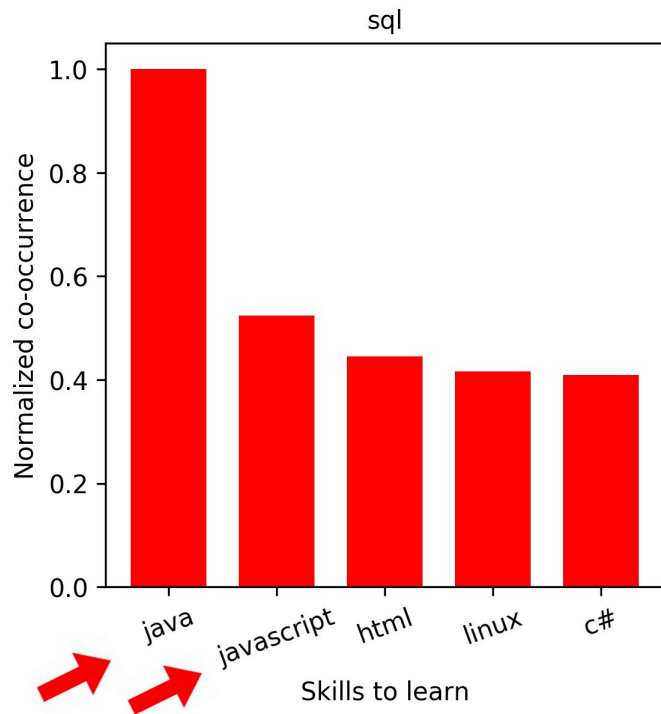
Complimentary skills

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



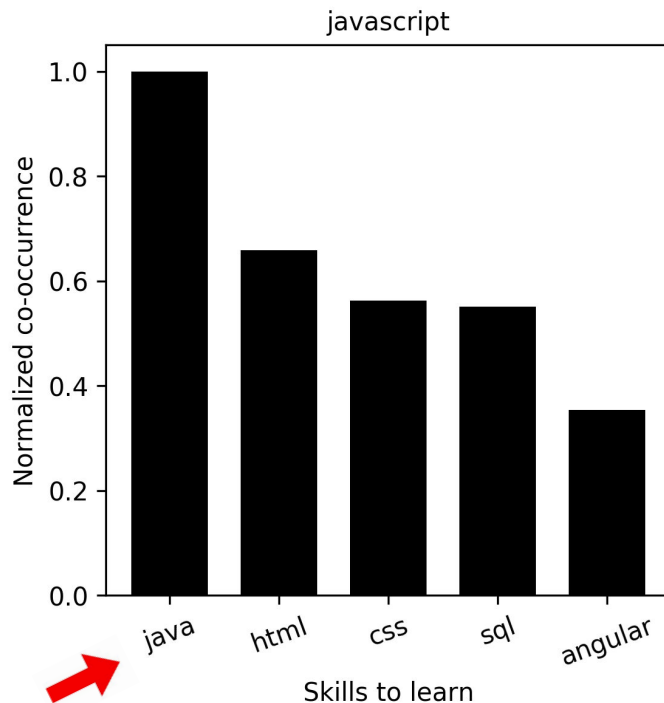
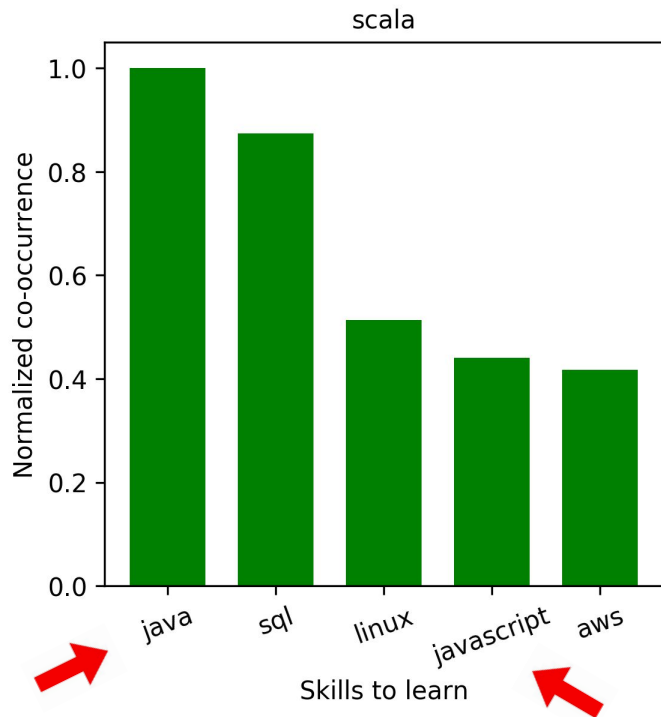


Skills that compliment mine



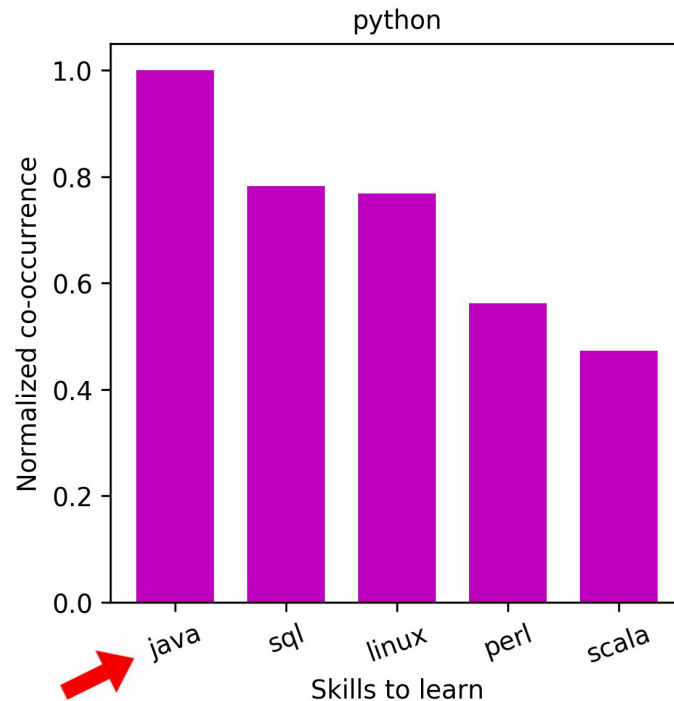
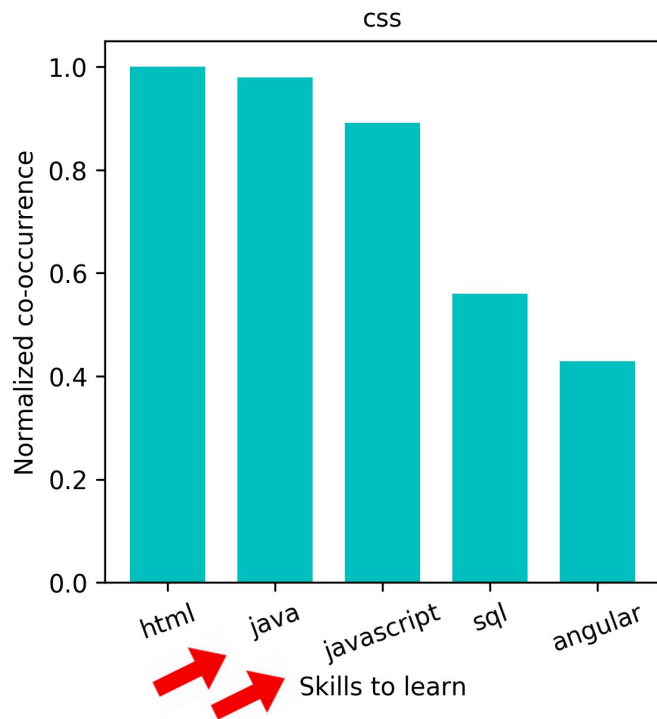


Skills that compliment mine





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