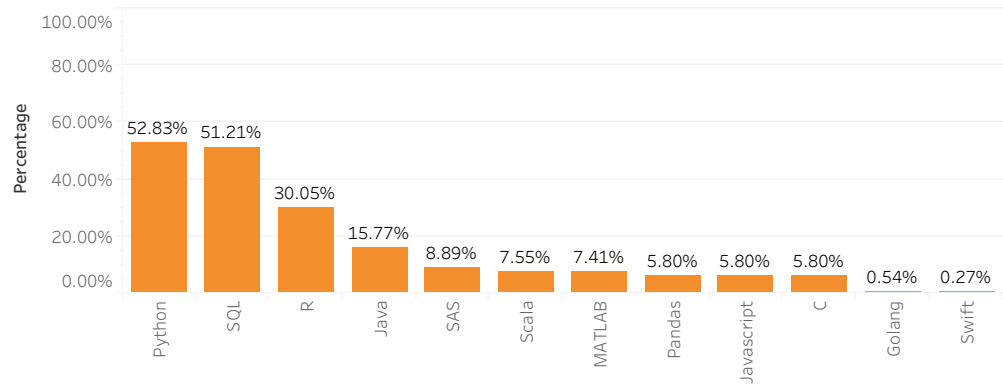




Programming Languages (PL) Needed for Various Data Jobs

% of PL's Mentioned in 742 Data Job Descriptions

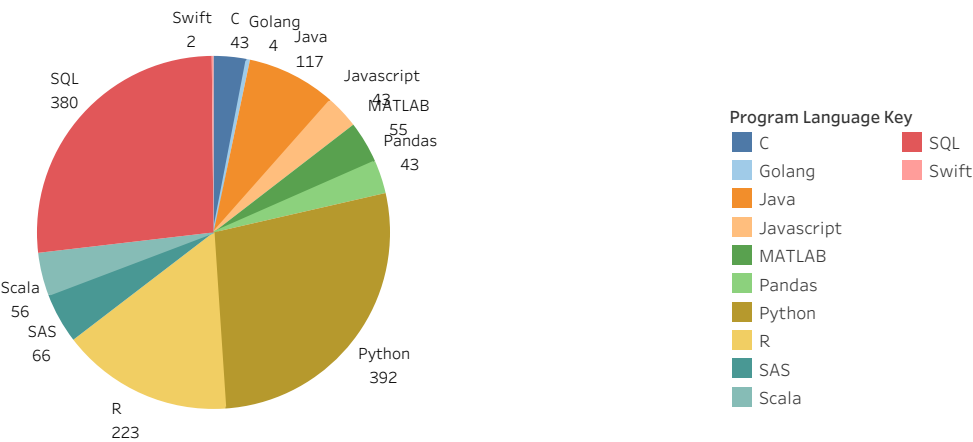


Analysis

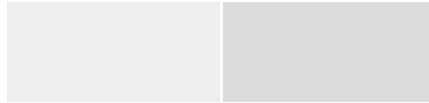
This analysis measures the % and the amount of times that popular programming languages mentioned in data job descriptions. Used a sample size of 742 data jobs. This data was found by finding the amount of times the PL's were mentioned in the jobs' Glassdoor job descriptions.

- Python (392), SQL (380), and R (223) stand out as the three most frequently mentioned PL's in this sample size.
- Python and SQL knowledge required by more than half of the data jobs, with both mentioned over 50% of the time.
- Swift and Golang have less than 1% chance of being required by data jobs.

Amount of Times PL's Mentioned in 742 Data Job Descriptions



Data Jobs Story

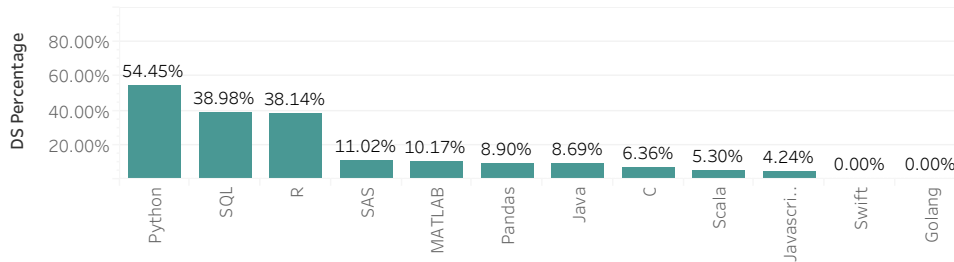


Programming Languages (PL) Needed for Specific Data Jobs

Analysis

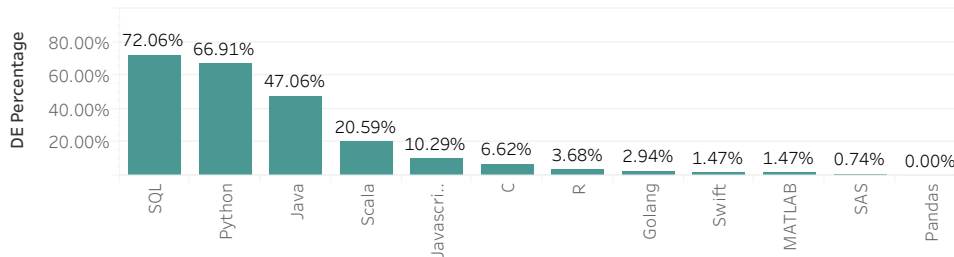
This is a similar analysis but measures specific data job descriptions: data scientists, data engineers, and data analysts. Used same sample size of 742 data jobs and data found through jobs' Glassdoor job descriptions.

% of PL's Mentioned in Data Scientist Jobs



- Python (54%), SQL (39%), and R (38%) stand out as the three most frequently mentioned PL's for Data Scientist roles.
- Knowledge in Java (47% mentions) favored more for Data Engineer roles than other data jobs.
- SQL (75%) heavily preferred by Data Analyst jobs, having a 41.12% bigger mention rate than any other PL.

% of PL's Mentioned in Data Engineer Jobs



Summary

Overall, Python, SQL, and R are the top 3 languages job seekers should be learning and practicing in order to land a data job, as these were mentioned the most and have the highest mention %. When going specifically for a Data Analyst job, SQL is the main language to focus on as its recommended far more than other program languages. Java is beneficial to learn for Data Engineers compared to other data jobs. Other languages such as SAS, MATLAB, and Scala are good to learn but may not be necessary as they are not mentioned much.

% of PL's Mentioned in Data Analyst Jobs

