

Data Analytics Q&A

Que - Can a non-technical person join Data Analytics?

Ans - Yes, absolutely. Advisable to gain related skills + certifications such as udemy certificates to present as a proof of concept/skills

Que - Can I switch from non-tech to data analytics?

Ans - Yes, Many of my past and current colleagues were from either non-tech background or from core branches such as chemical engineer, mechanical engineer.

Que - Can I get into DA as a fresher?

Ans - Yes, you can, as a fresher it is advisable to gain some industry experience via internships while you are pursuing your degree or towards the end of your course in the relevant industry/domain.

Que - I have the basic skills, how do I get internships/jobs?

Ans - Once you have your resume up to date, use LinkedIn/Naukri to apply for the same. Update keywords in Resume based on job requirements. Reach out to a few linkedin members to request for referrals with a small personalized message.

Que - What kind of roles can I apply to as a fresher?

Ans - Data Analyst Intern, Business Intelligence Trainee, Reporting Analyst, Junior Analyst

Que - How Do I get a job as a fresher in Data Science/Data Engineering?

Ans - Although Data science/Engineering is a bit different from data analytics, these fields are interconnected. But getting into data science as a fresher is always a bit tricky hence data analytics can serve as a starting point for data science and data engineering, as we work closely with data science and engineering teams.

Que - What is the difference between a Data analyst and a business analyst?

Ans - As the name suggests Data analysts are more data focused and require more tech domain knowledge while business analysts are to bridge the gap between a non technical client and a technical team.

Que - Do I need to learn Coding/DSA for DA?

Ans - Basic coding skills are required, but DSA is not needed as DA for most interviews, learning basic-intermediate Python/R and SQL is sufficient.

Que - What are the main responsibilities of a DA vs BA ?

Ans - This is mostly firm specific, but in general Data analysts work on data cleaning, manipulation, analysis, dashboards and reporting using SQL, Python, BI(Power BI/ Tableau). While BA's generally are focussed on gathering requirements, documentations, proposing solutions, stakeholder communication using Powerpoint, excel, sql and sometimes BI tools as well.

Que - Where Do I practice these skills for Free?

Ans - SQL+Python - Leetcode, Hackerrank, SQL-DataLemur, SQL+PowerBI - WiseOwl

Que - Do I need a degree in data science or statistics or Engineering?

Ans - NO, you don't need to be from engineering background to get into DA, once you have certifications and skills you are good to get into the industry

Que - How do I get real-world experience without a job?

Ans - Making personal projects utilizing free data sources available on the internet such as Kaggle, Showcase your projects on github/linkedin.

Que - What Projects should I do to showcase DA skills ?

Ans - Here are some example projects -

Customer Churn Analysis,

Spotify Playlist Analysis,

FIFA World Cup Analysis(yearly data)

(Dataset - Kaggle, cleaning-Python(Pandas/Pyspark), querying- SQL, Dashboard-PowerBI)

Customer Churn Dataset-<https://www.kaggle.com/datasets/muhammadshahidazeem/customer-churn-dataset>

Spotify Playlist Dataset - <https://www.kaggle.com/datasets/andrewmvd/spotify-playlists>

FIFA Worldcup Dataset - <https://www.kaggle.com/datasets/abecklas/fifa-world-cup>

Check the Code section on Kaggle for EDA(Exploratory data analysis) reference.