

1. What is Data Analysis?

Data analysis is a process of inspecting, cleansing, transforming, and modeling data with the goal of discovering useful information, informing conclusions, and supporting decision-making.

2. What are the tools useful for Data Analysis ?

- R and Python
- Microsoft Excel
- Tableau
- RapidMiner
- KNIME
- Power BI
- Apache Spark
- QlikView
- Talend
- Splunk

3. What are various steps involved in any analytics project?

The below mentioned steps are involved in analytics project :

- understanding the business issue
- understanding the data set
- preparing the data
- exploratory analysis
- validation
- visualization
- presentation.

4. What are the responsibilities of a Data Analyst?

A Data Analyst's responsibilities include the deep analysis of data and then determining the best way to represent it visually to managers and stakeholders.

5. Write some key skills usually required for a Data analyst?

The ability to analyses, model and interprets data. Problem-solving skills. A methodical and logical approach. The ability to plan work and meet deadlines. These are some skills are usually required for a Data analyst.

6. what are the common problems that data analysts encounter during analysis?

Besides the possibility of messy data due to the high volume, they also face other challenges such as collecting meaningful data, selecting the right analytics tool, data visualization, multiple-source data, low-quality data, lack of skills, scaling challenges, data security, budget limitations, lack of a data culture.

7. What is the difference between data analytics and data science ?

Data scientists use algorithms and machine learning to improve the ways that data supports business goals. Data analysts collect, store, and maintain data and analyze results.