

.....



Process of **Data** Science



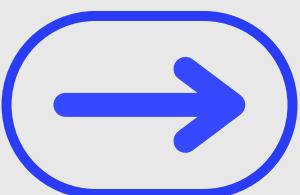
swipe



Data Collection

1

Data collection is the process of gathering and measuring information on targeted variables. It can be done through various methods such as surveys, experiments, observations, or even through the use of existing data sources. The quality of data collected depends on the appropriateness of the method used, the accuracy of the instruments used, and the representativeness of the sample.





Data Cleaning

Data cleaning is a crucial step in the data science process. It involves identifying and correcting errors, inconsistencies, and inaccuracies in data to improve its quality and reliability. This process can include removing duplicates, filling missing values, and correcting data types. Data cleaning is important because it can impact the accuracy and validity of any analysis or model built on the data. By cleaning the data, we can ensure that the insights generated from the data are trustworthy and valuable.

keep swiping →





Data Exploration

Data exploration involves analyzing and understanding the data to gain insights into its characteristics and properties. This step enables data scientists to identify patterns, relationships, trends and even problems like outliers and irrelevant records in the data, which can inform further analysis and modeling. Data exploration techniques can include data visualization, summary statistics, and hypothesis testing.

keep swiping →





4

Data Modeling

Model building involves creating a mathematical representation of a real-world problem to make predictions or decisions. The process starts with selecting the appropriate algorithm and identifying the relevant features that will help the model learn and make accurate predictions. Once the model is built, it needs to be tested and validated to ensure its accuracy and reliability. It is important to note that model building is an iterative process, and it may require multiple iterations to achieve optimal results.



.....



Which of the steps do you prefer the most?



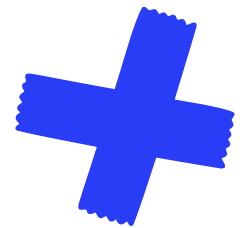
comment below!



.....



Follow for more content



Fardeen Ahmad Khan



<https://linkedin.com/in/meetfardeen>

