

Data Science - The study of data in order to make meaningful conclusions

Data is “meaningless” but information is “meaningful”

- Data is uninterpreted information that might not be comprehensible but once sorted through, and processed a bit, it turns into information that we can understand and put to use accordingly
 - The numbers in the moon landing excel document is “meaningless data” but after processing and finding the averages, it turned into information that we can use to argue “is collaboration beneficial to individual success” or not

Lifecycle Steps

1 - question

2 - collect data

3 - wrangle data

4 - analyze data

5 - visualize information

6 - communicate information

The lifecycle steps are the steps taken in order to transform “meaningless” data into “meaningful” information for the purpose of answering an asked question.

- Some of these steps can be skipped or some 2 steps can be done in a different order but for the most part this is the generally correct path to transforming data to useable information