

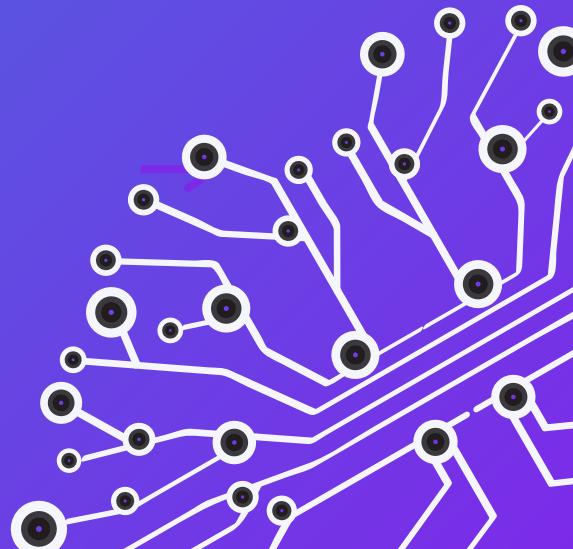
DATA SCIENCE

The Beginners guide



More

SKILL<S/ASH>



Data Science Requirements



Be Curious



Curiosity is the key skill for Data Science

Curiosity is needed to ask questions, the questions that may have potential to solve the problem if answered.



Data Science Requirements



Collect & Analyze data

Collecting right data

Collecting right data is very important. If the data available is not right, it may deceive you.

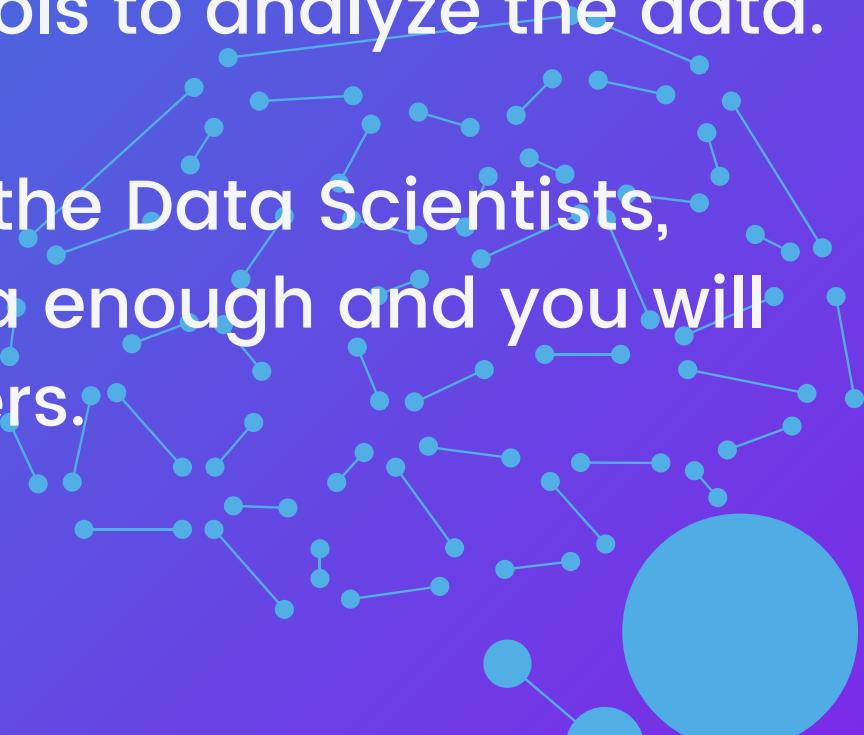
Analyze data

Use relevant tools to analyze the data.

As it is said by the Data Scientists,
torture the data enough and you will
get your answers.

DATA

00 0000 0011 0100 0000 00
00 0100 0011 0110 0000 00
11 0000 0000 0101 0011 00
0000 0011 1 0000 00
0000 0000 001 00
0101 0011 0001 01
111 100 110 100 100 100
000 000 000 000 000 000
0110 0100 0000 0000 0000 0000
0100 0011 0110 0000 0000 0000
0000 0000 001 0000 0000 0000
0101 0011 00 0000 0000 0000
0001 0101 00 0000 0000 0001
100 011 110 0000 010 0000
001 0000 0011 0000 0000 0000
000 0011 0100 0000 0000 0000
100 0011 0110 0000 0000 0000
000 0000 0101 0000 0000 0000
011 0011 0001 0000 0000 0000



Data Science Requirements



Interpret data

**Interpretation requires
Visualization power**

To arrive at an informed conclusion or insight from the data, you should have a good interpretation.

**Experience is always an add in
interpretation of data.**



Data Science Requirements

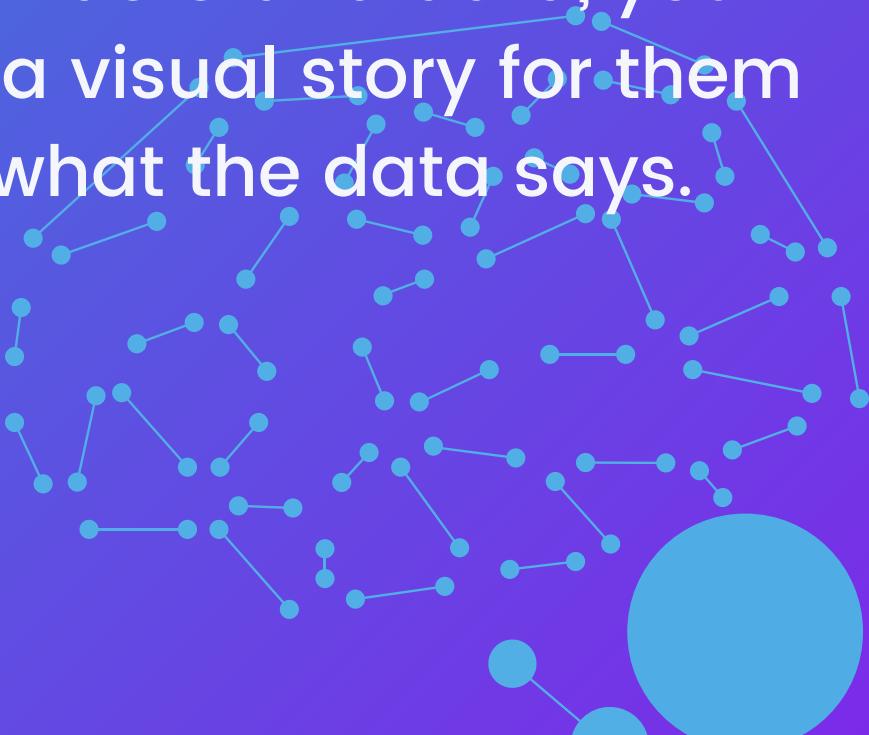
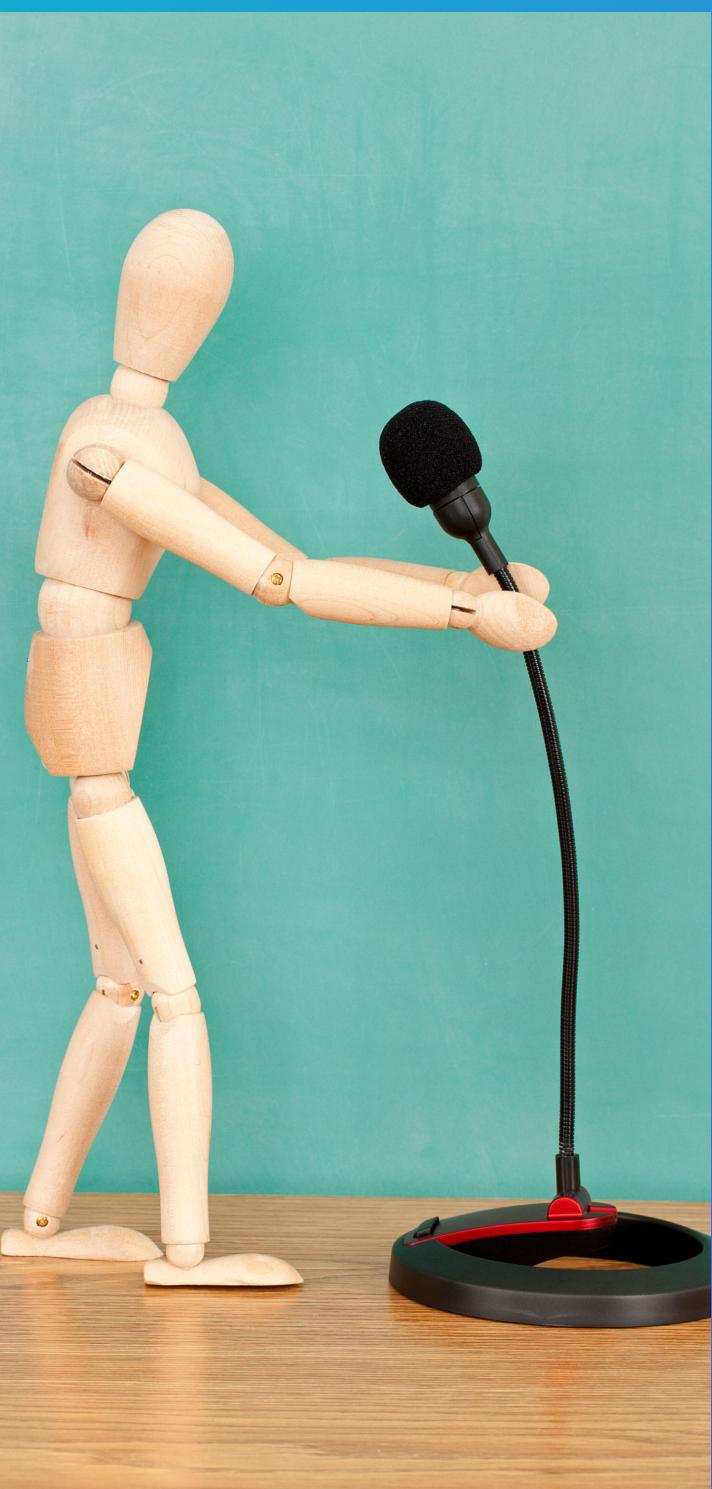


Data Story

Everyone has a story and so does a data

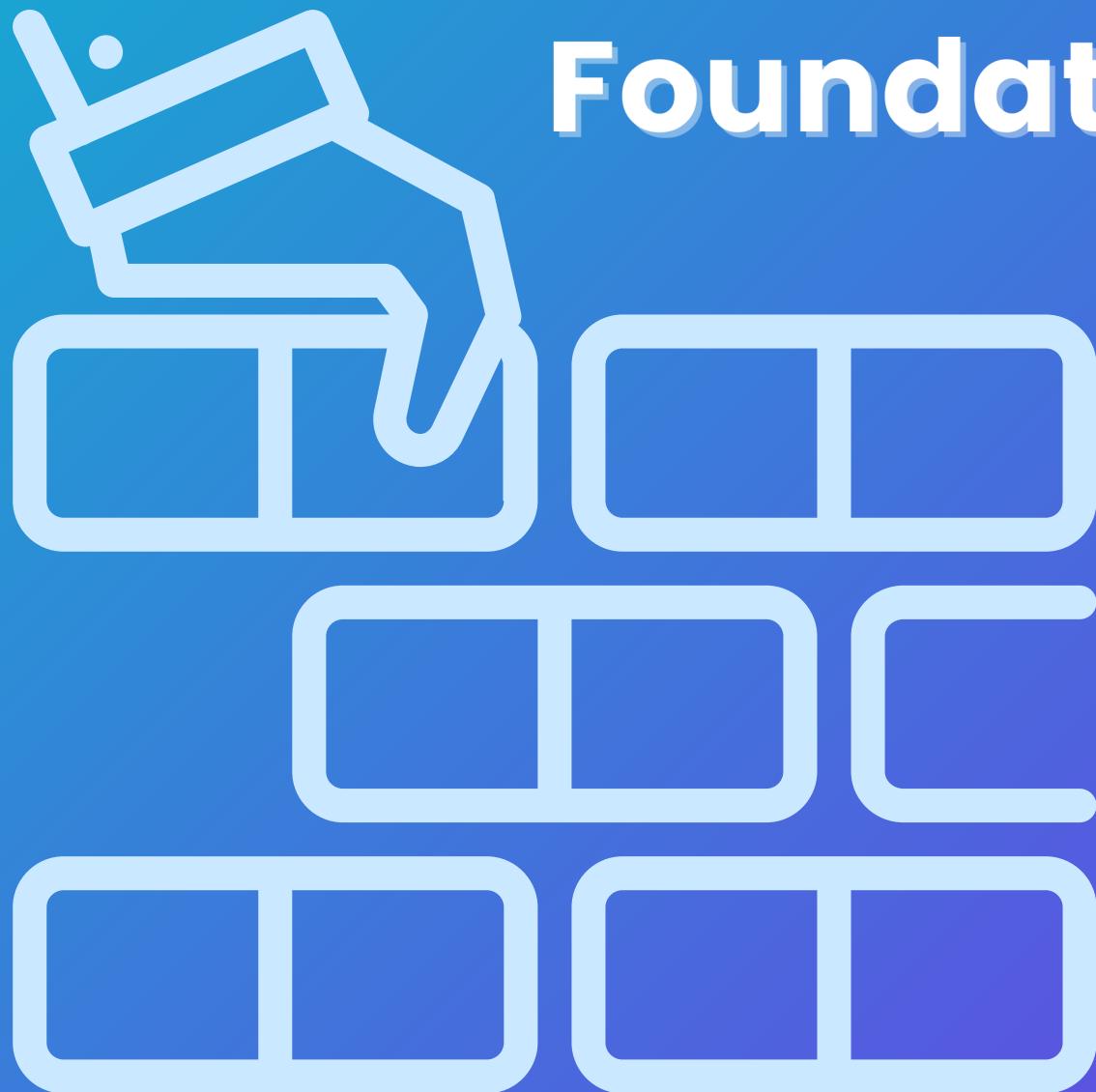
This is the most important skill of a Data Science professional and the most crucial one.

People do not understand data, you have to create a visual story for them to understand what the data says.



BUT

You need a great
Foundation



Data Science Foundation



Programming

Yes, use of programming language is a must for a Data Science professional

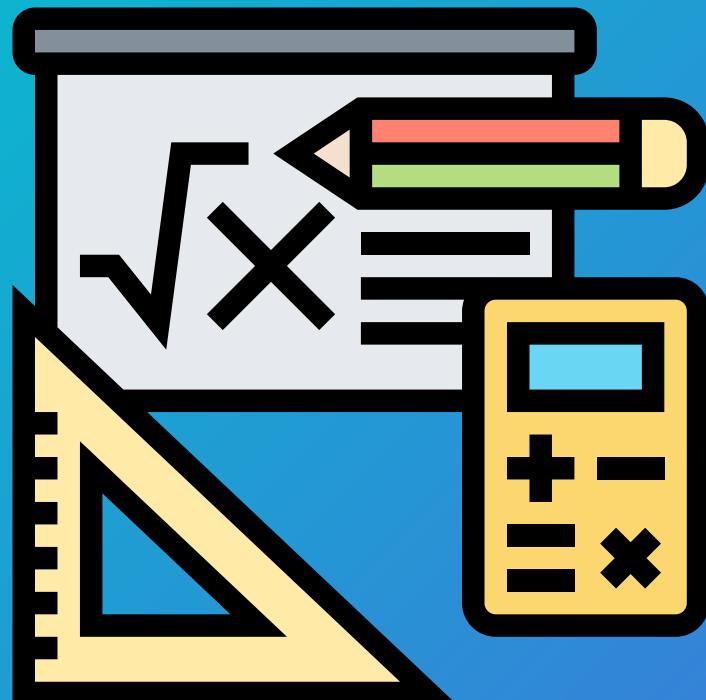
Python and R are by far the best programming language

Your first task will be to choose a programming language (either Python or R) and then immerse yourself to know basic coding skills.

Thereafter, you have to step up and learn the libraries that will help you in understanding and visualizing the data better.



Data Science Foundation

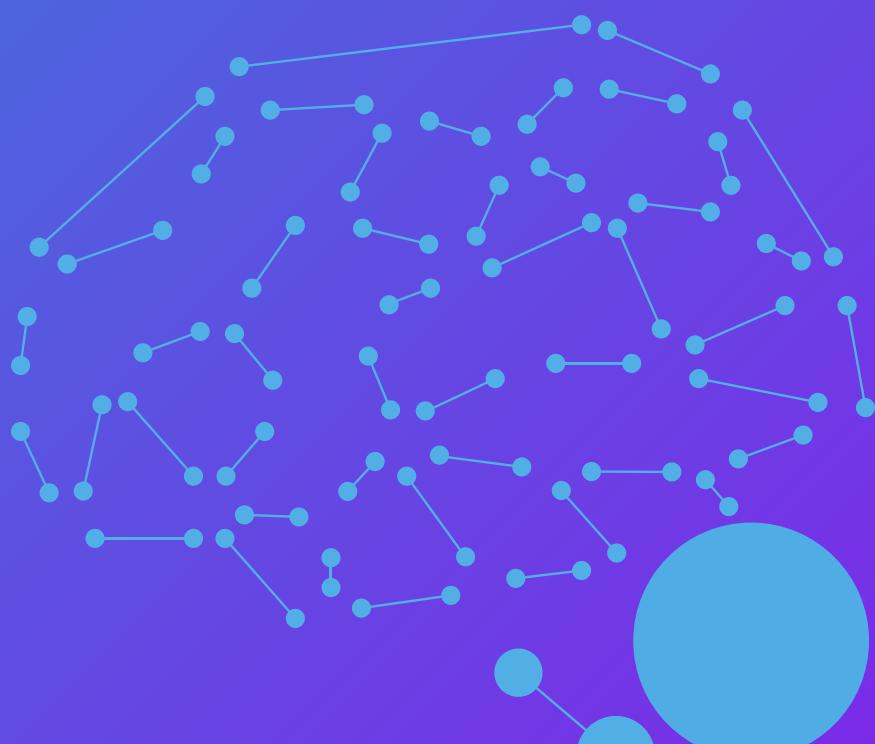


Maths

Linear Algebra
Probability
Calculus

As you work on data, you will need to know how to represent the data as matrices.

Since, you will be predicting the outcomes, you should be good with probability and the concepts related with it.



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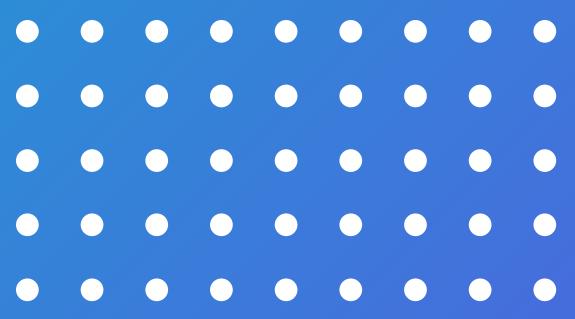
Statistics & Machine Learning

Describe the information

It is difficult to describe millions data points unless we apply some statistical tools to it.

ML Models are used to model a dataset that can be used to predict the outcomes for new set of data we receive. Like predicting the share price or predicting the heart failure beforehand.





Did you find this content helpful?



Learn Data Science

SKILL<S/ASH>

