

DataScienceEcosystem

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1 Data Science Tools and Ecosystem

1.1 Objectives:

In this course we will learn following languages - Python - R - SQL - Julia - Scala

1.2 Introduction

Tools for Data Science is the second course in Professional Certificate of IBM Data Science. Moreover, in this notebook Data Science Tools and Ecosystem are summarized.

1.3 Some of the popular languages that Data Scientists use are:

1. Python
2. R
3. SQL
4. Julia
5. Scala

1.4 Some of the commonly used libraries used by Data Scientists include:

1. Pandas
2. NumPy
3. SciPy
4. Sci-Kit Learn
5. PyCaret
6. Tensorflow

Data Science Tools

My SQL

Apache AirFlow

Pixie Dust

TensorFlow Light

1.4.1 Below are a few examples of evaluating arithmetic expressions in Python

```
[10]: # This a simple arithmetic expression to mutiply then add integers  
(3*4)+5
```

```
[10]: 17
```

```
[11]: # This will convert 200 minutes to hours by diving by 60  
200/60
```

```
[11]: 3.3333333333333335
```

1.5 Author

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