

DataScienceEcosystem

October 23, 2025

Add your code below following the instructions given in the course Exercise 1: Create a Jupyter Notebook

1 Done

Exercise 2: Create markdown cell with title of the notebook

2 Data Science Tools and Ecosystem

Exercise 3 - Create a markdown cell for an introduction

In this notebook, Data Science Tools and Ecosystem are summarized.

Exercise 4 - Create a markdown cell to list data science languages

Some of the popular languages that Data Scientists use are:

- 1) Python
- 2) R
- 3) Scala

Exercise 5 - Create a markdown cell to list data science libraries

Some of the commonly used libraries used by Data Scientists include: 1) Numpy 2) Pandas 3) Scikit-learn

Exercise 6 - Create a markdown cell with a table of Data Science tools

Data Sceince Tools
Jupyter Notebook
Apache Hadoop
Apache Spark

Exercise 7 - Create a markdown cell introducing arithmetic expression examples

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

Exercise 8 - Create a code cell to multiply and add numbers

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

[4]: 17

Exercise 9 - Create a code cell to convert minutes to hours

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

200 / 60
```

[6]: 3.3333333333333335

Exercise 10 - Insert a markdown cell to list Objectives

Objectives: - List popular languages for Data Science. - List popular Libraris for Data Science.
- List tools for Data Science in form of table.

Exercise 11 - Create a markdown cell to indicate the Author's name

2.1 Author

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