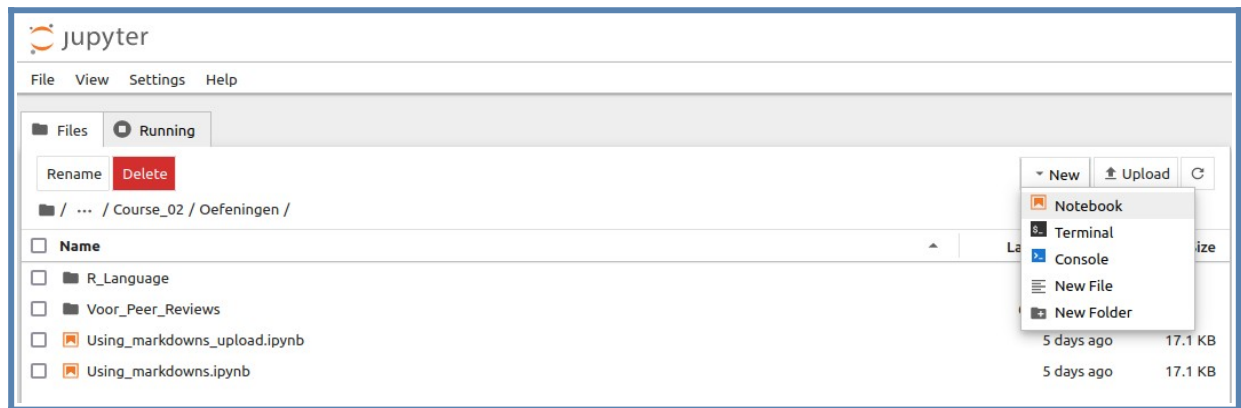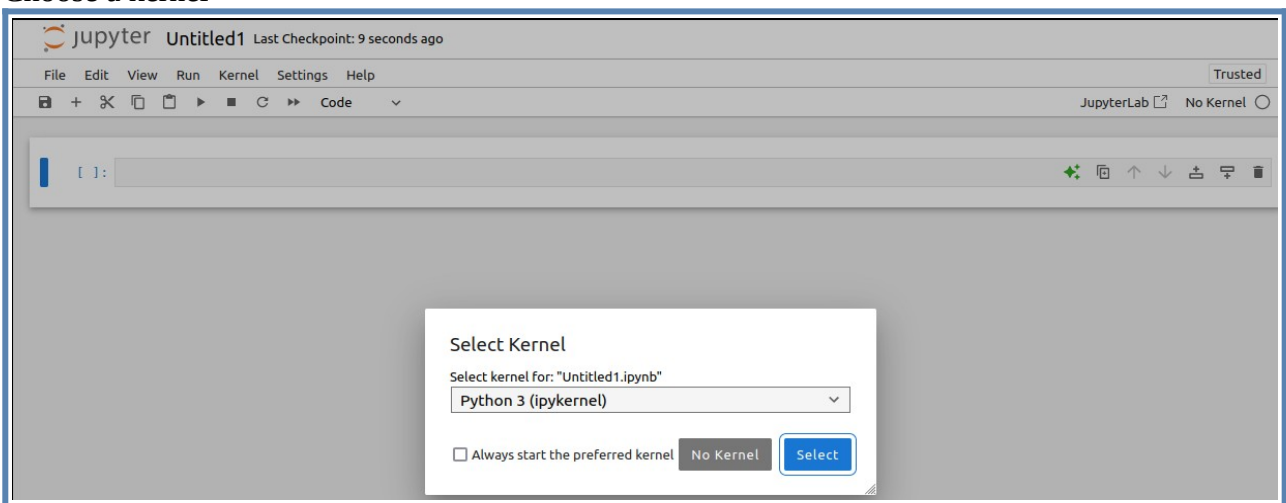**Exercise 1: Create a Jupyter Notebook**
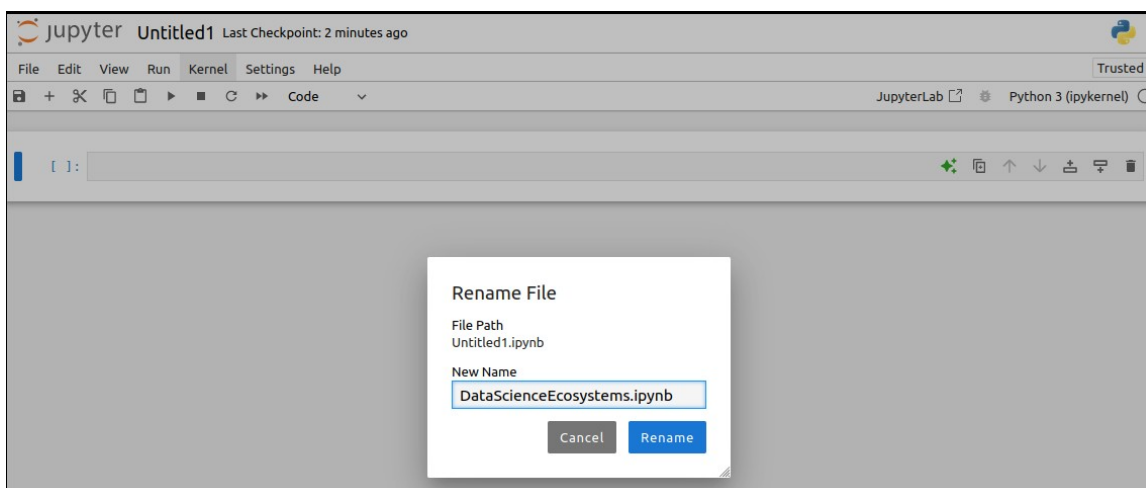
Create a new Jupyter notebook called **DataScienceEcosystem.ipynb**
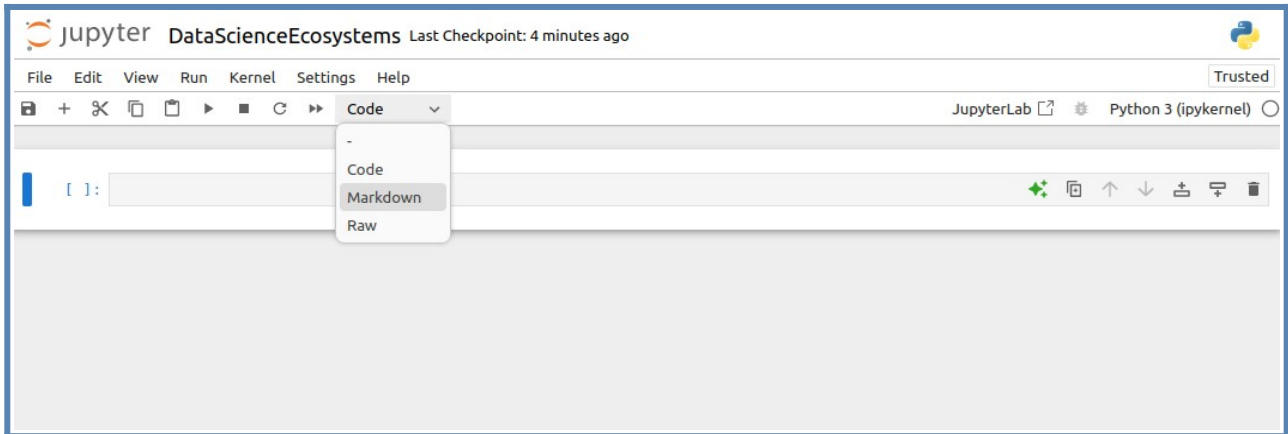

Choose a kernel

Click on the name ' Untitled1' to rename it :

Exercise 2: Create markdown cell with title of the notebook

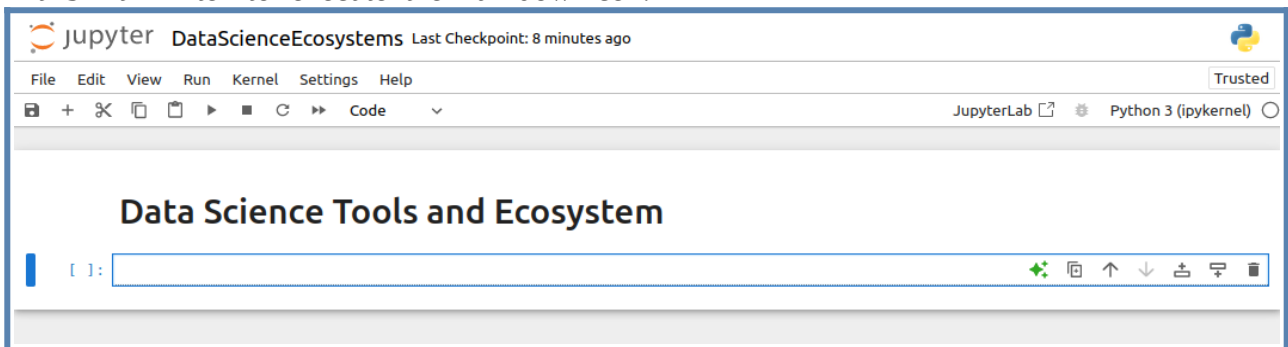Create a markdown cell with the title `Data Science Tools and Ecosystem` using H1 style heading.

Select a cel in the notebook , click on 'Code' in the menu en select Markdown the change the code cell to a markdown cell.

Type the tekst "# Data Science Tools and Ecosystem" in the markdown cell. The '#' makes it H1 style Heading.
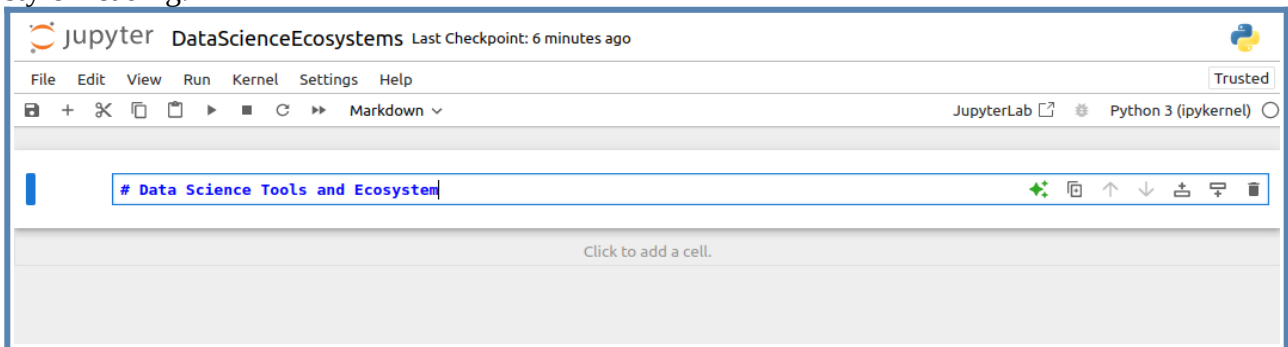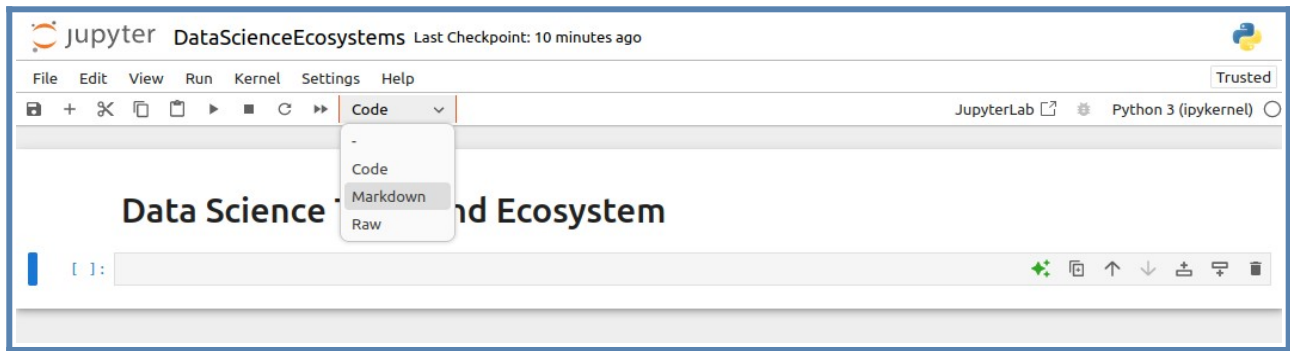

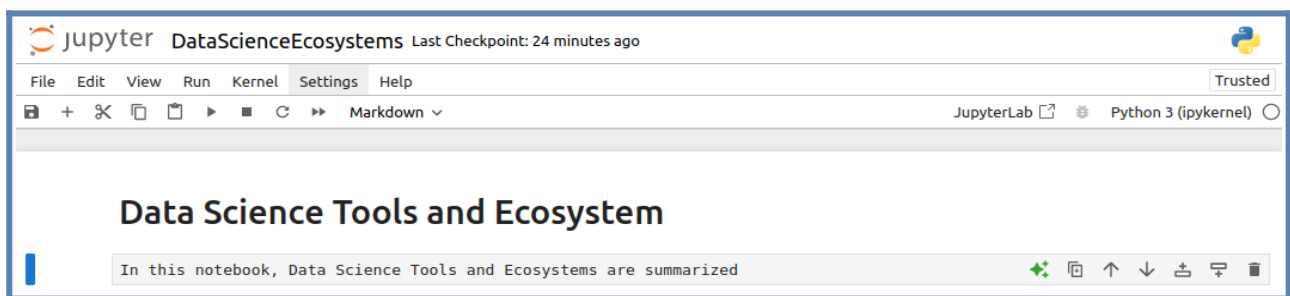Hit 'Shift + Enter' to 'execute' the markdown cell.

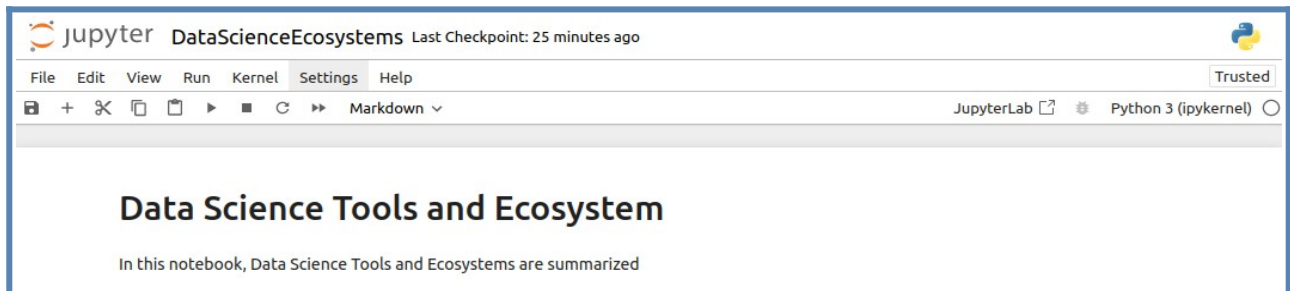**Exercise 3 - Create a markdown cell for an introduction**

Create and select a new markdown cell

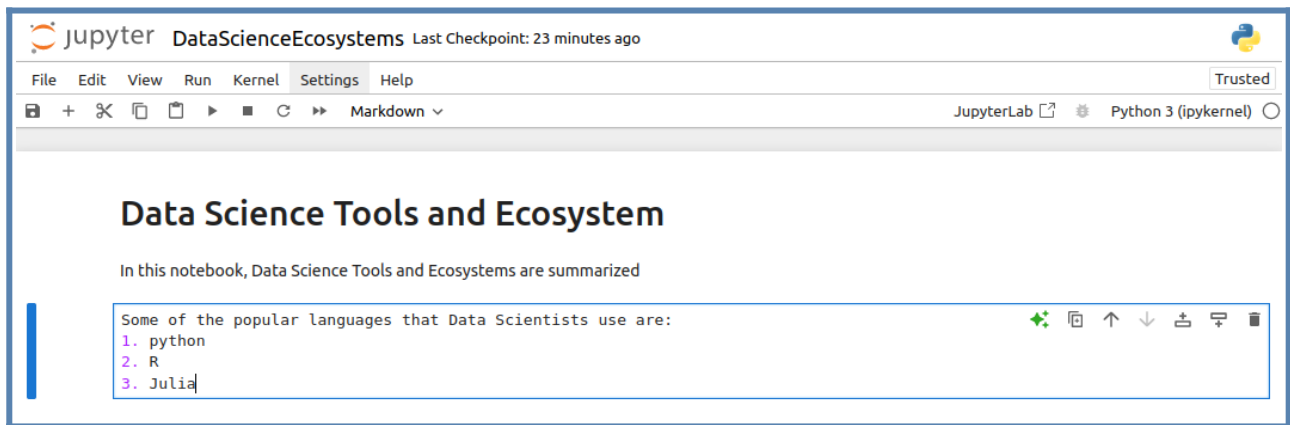Write the text 'In this notebook, Data Science Tools and Ecosystems are summarized'

Hit 'Shift+Enter'

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

Put a line of text and an ordered list in the Markdown cell.

Hit 'Shift+Enter'

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

Hit 'Shift+Enter'

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

Hit 'Shift + Enter'

Exercise 7 - Create a markdown cell introducing arithmetic expression examples

```
### Below are a few examples of evaluating arithmetic expressions in Python
```

Below are a few examples of evaluating arithmetic expressions in Python

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

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

[16]: 17
```

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

```
[22]: # This will convert 200 minutes to hours by diving by 60
      round((200/60), 2)

[22]: 3.33
```

Exercise 10 - Insert a markdown cell to list Objectives

```
**Objectives:**
* List popular languages for Data Science
* List commonly used libraries used by Data Scientists
* List some popular development tools used by Data Scientists
* Show an example of simple arithmetic expressions
```

Objectives:

- List popular languages for Data Science
- List commonly used libraries used by Data Scientists
- List some popular development tools used by Data Scientists
- Show an example of simple arithmetic expressions

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

```
## Author :
Jørgen Roseboom
```

Author :

Jørgen Roseboom

Exercise 13 -Take a screenshot of the first page of the notebook

Jupyter DataScienceEcosystems Last Checkpoint: 6 minutes ago

File   Edit   View   Run   Kernel   Settings   Help
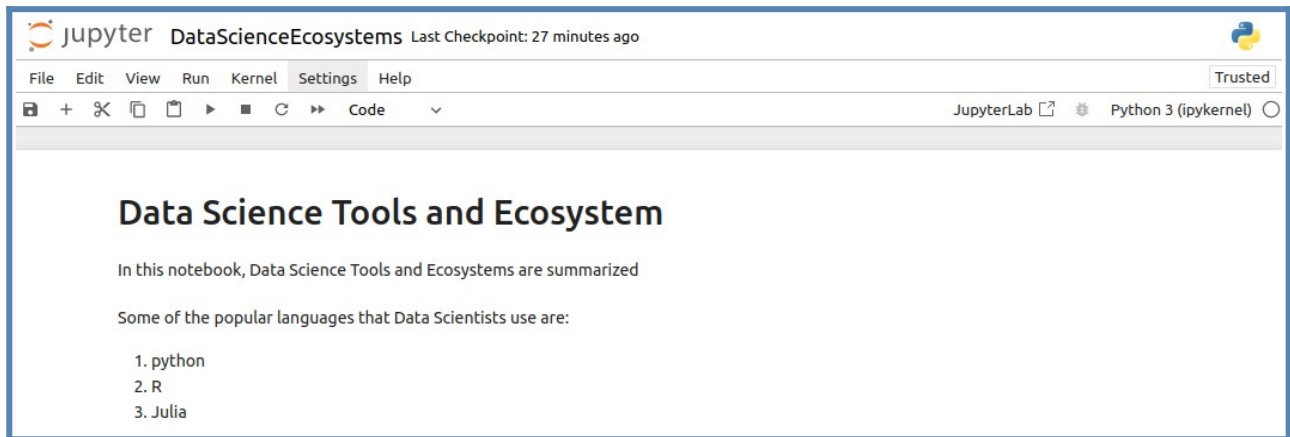
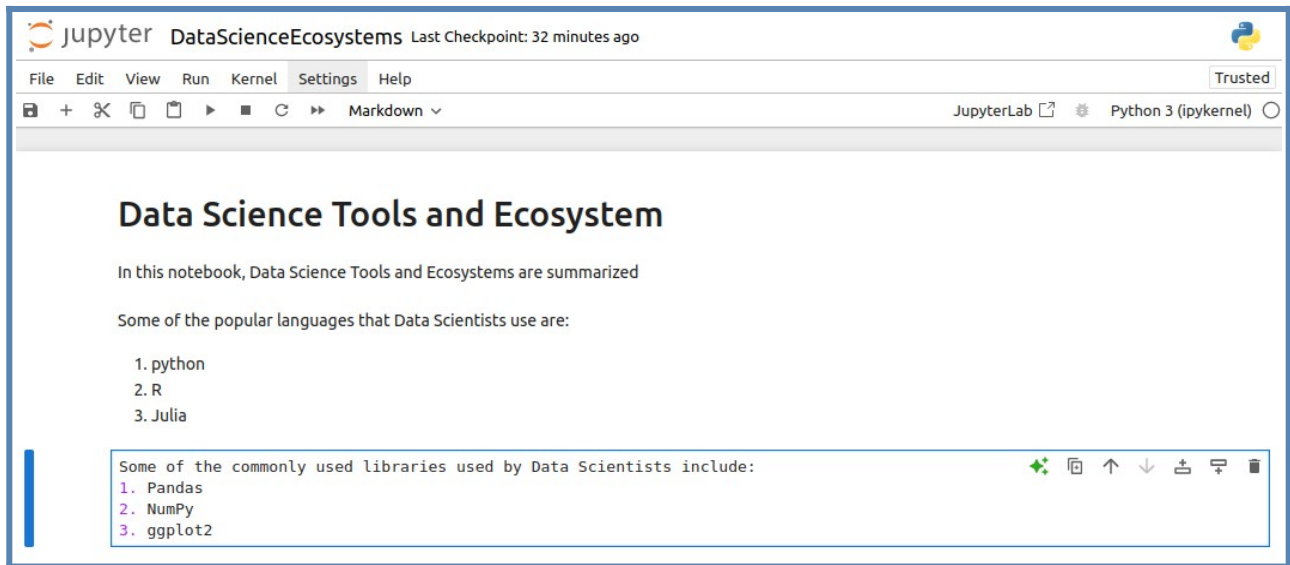Markdown ∨   JupyterLab   Python 3 (ipykernel)

Data Science Tools and Ecosystem

In this notebook, Data Science Tools and Ecosystems are summarized

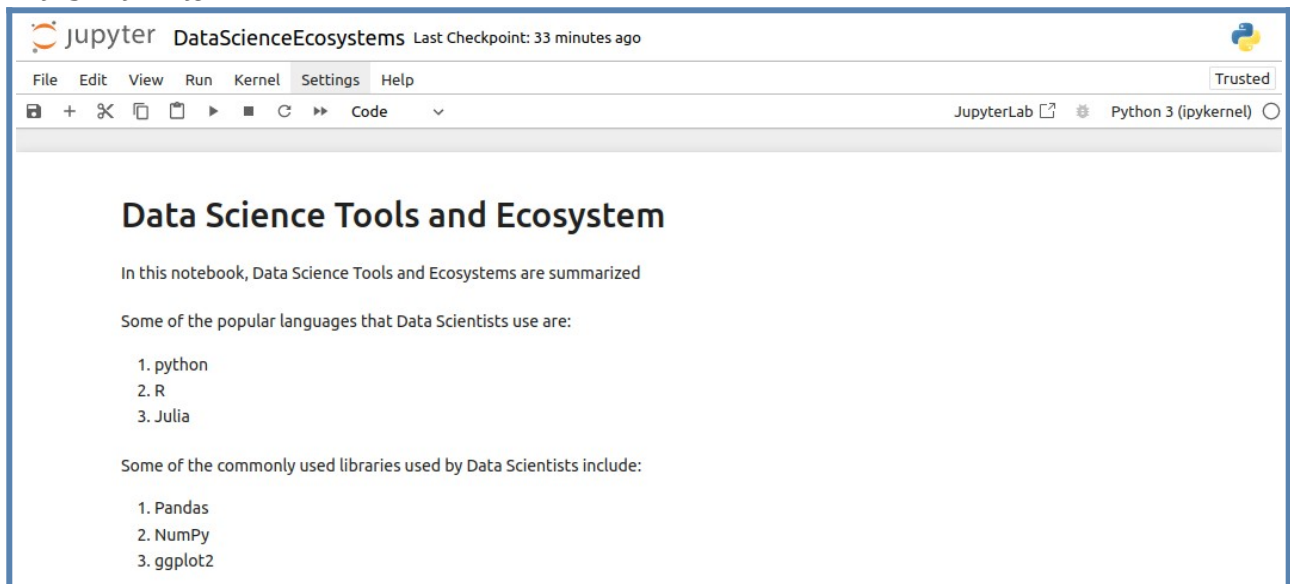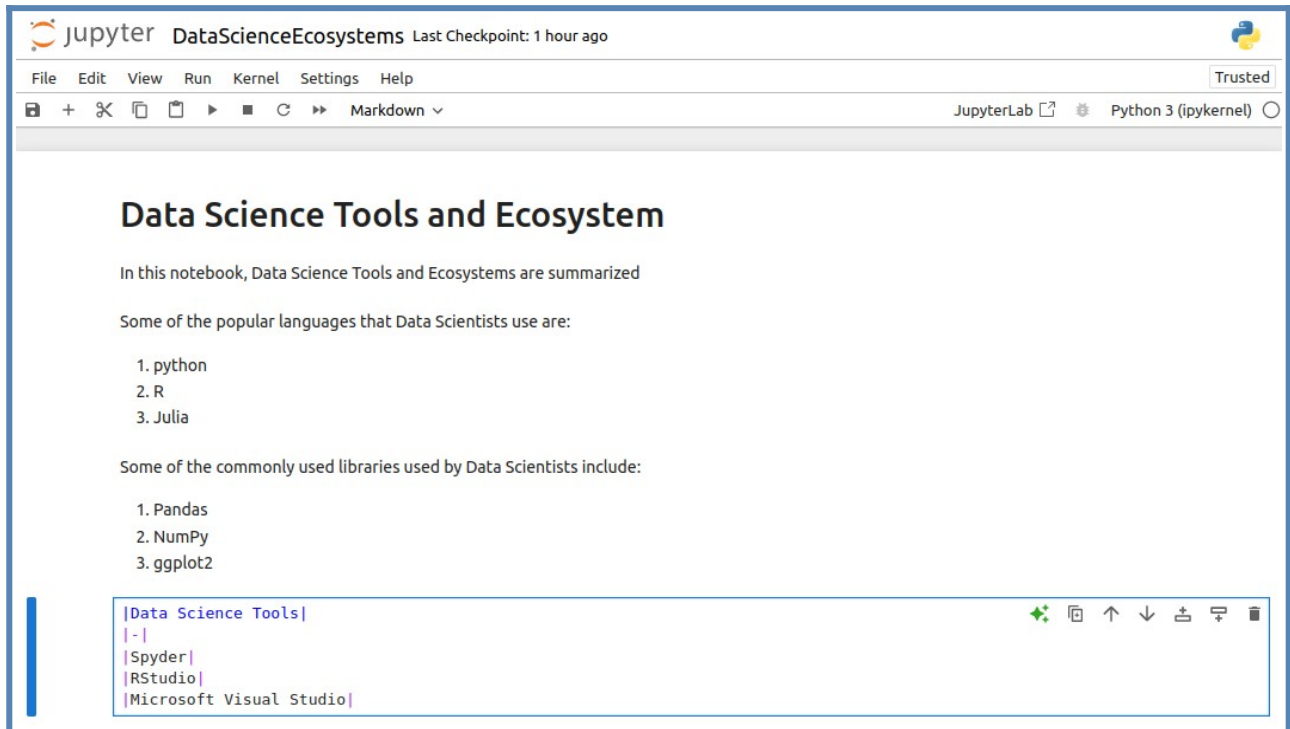**Objectives:**

- List popular languages for Data Science
- List commonly used libraries used by Data Scientists
- List some popular development tools used by Data Scientists
- Show an example of simple arithmetic expressions

Some of the popular languages that Data Scientists use are:

1. python
2. R
3. Julia
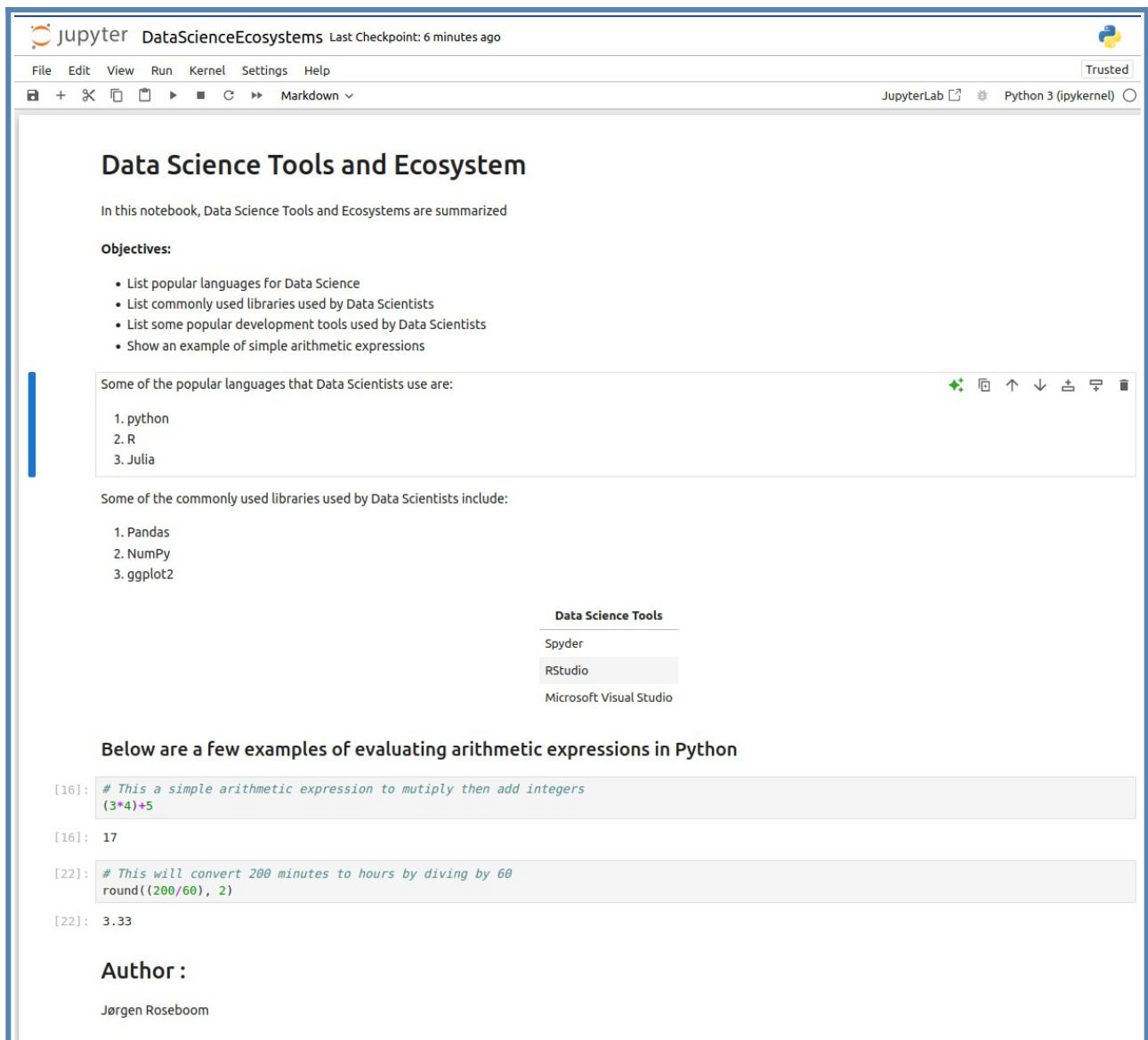
Some of the commonly used libraries used by Data Scientists include:

1. Pandas
2. NumPy
3. ggplot2

Data Science Tools
Spyder
RStudio
Microsoft Visual Studio

Below are a few examples of evaluating arithmetic expressions in Python

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

```
[16]:  17
```

```
[22]:  # This will convert 200 minutes to hours by diving by 60
       round((200/60), 2)
```

```
[22]:  3.33
```

Author :

Jørgen Roseboom