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Cohort 2

Peer Graded Assignment

Exercise 1: Create a Jupyter Notebook

DataScienceEcosystem.ipynb

Exercise 2 - Create a markdown cell with the title of the notebook. (1 pt)

Exercise 3 - Create a markdown cell for an introduction. (1 pt)

Exercise 4 - Create a markdown cell to list data science languages. (3 pts)

Exercise 5 - Create a markdown cell to list data science libraries. (3 pts)

Exercise 6 - Create a markdown cell with a table of Data Science tools. (3 pts)

Exercise 7 - Create a markdown cell introducing arithmetic expression examples. (1 pt)

Exercise 8 - Create a code cell to multiply and add numbers. (2 pts)

Exercise 9 - Create a code cell to convert minutes to hours. (2 pts)

Exercise 10 -Insert a markdown cell to list Objectives. (3 pts)

Exercise 11 - Create a markdown cell to indicate the Author's name. (2 pts)

Exercise 12 - Share your notebook through GitHub (3 pts)

Exercise 13 - Take a screenshot of the first page of the notebook. (1 pt)

Exercise 2 - Create a markdown cell with the title of the notebook

This title of the notebook is Data Science Tools and Ecosystem

Exercise 3 - Create a markdown cell for an introduction. (1 pt)

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

Exercise 4 - Create a markdown cell to list data science languages. (3 pts)

The Data Science Languages are:

- R

- Python

- SQL

Exercise 5 - Create a markdown cell to list data science libraries. (3 pts)

This list of Data Science Libraries are:

```
- Pandas
- NumPy
- SciPy
- Scikit-learn
- TensorFlow
```

Exercise 6 - Create a markdown cell with a table of Data Science tools. (3 pts)

```
| Tools |
| .......|
| pandas |
| Seaborn |
| Scikit-learn |
| Jupyter Notebooks |
| Pytorch |
```

Exercise 7 - Create a markdown cell introducing arithmetic expression examples. (1 pt)

```
4 + 5 = 9
```

Exercise 8 - Create a code cell to multiply and add numbers. (2 pts)

```python
In [1]:  3*4+5
```

```
Out[1]:  17
```

Exercise 9 - Create a code cell to convert minutes to hours. (2 pts)

```python
In [2]:  # Function to convert minutes to hours and minutes
         def convert_minutes_to_hours(minutes):
             hours = minutes // 60
             remaining_minutes = minutes % 60
             return f"{hours} hours and {remaining_minutes} minutes"
```

```python
In [4]:  # Example usage
         total_minutes = 150
         result = convert_minutes_to_hours(total_minutes)
         print(result)
```

```
2 hours and 30 minutes
```

Exercise 10 -Insert a markdown cell to list Objectives. (3 pts)

- Process objectives: These objectives provide the groundwork or implementation necessary to achieve other objectives.
- Behavioral objectives: These objectives look at changing the behaviors of people and the products of their behaviors.
- Community-level outcome objectives: These objectives focus on the outcomes of a community.
- Time-based objectives: These objectives help set deadlines for project milestones.
- Performance objectives: These objectives focus on achieving specific results or quality standards.

Exercise 11 - Create a markdown cell to indicate the Author's name. (2 pts)

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In [ ]: