Data Visualization - Installing Libraries

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Installing Data Visualization Libraries in Jupyter Notebook

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Introduction

In this Blog, we will install the essential libraries for data visualization in Python: `matplotlib`, `seaborn`, and `plotly`. These libraries are widely used for creating a variety of plots and visualizations to better understand and communicate data insights.

Installing `matplotlib`

`matplotlib` is a comprehensive library for creating static, animated, and interactive visualizations in Python. To install it, use the following command:

```
pip install matplotlib
```

Installing `seaborn`

`seaborn` is a library based on `matplotlib` that provides a high-level interface for drawing attractive and informative statistical graphics. Install it using the command below:

```
pip install seaborn
```

Installing `plotly`

`plotly` is a graphing library that makes interactive, publication-quality graphs online. Use the following command to install `plotly`:

```
pip install plotly
```

Verification

After installing the libraries, you can verify their installation by importing them in a new cell:

```python
import matplotlib.pyplot as plt
import seaborn as sns
import plotly.express as px

print("Libraries installed and imported successfully.")
```