

```
# Importing necessary libraries
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```
import numpy as np
```

```
import pandas as pd
```

```
import seaborn as sns
```

```
import matplotlib.pyplot as plt
```

```
%matplotlib inline
```

```
import re
```

```
from sklearn.model_selection import train_test_split
```

```
from sklearn.metrics import accuracy_score
```

```
from sklearn.linear_model import LinearRegression
```

```
from sklearn.ensemble import RandomForestRegressor
```

```
from sklearn.decomposition import PCA
```