

Challenge: Visualizing Seaborn Datasets

This lesson provides a few exercises to test your understanding of the seaborn module for visualization.

We'll cover the following ^

- Heatmap
- Regression plot

In this challenge, different datasets made available by `seaborn` are used to plot different visualizations.

Heatmap

The `flights` dataset will be used to plot a heatmap of its values. The contents of the data can be viewed [here](#). The task is to reshape the `DataFrame` using the `pivot` function and plot it on a heatmap just like explained [here](#). The `year` column of the dataset will be set as columns, the `month` will be set as row indexes, and the `passengers` will be the values. After reshaping, use the `heatmap` function of seaborn to plot the visualization.

```
import pandas as pd
import seaborn as sns

df = sns.load_dataset('flights') # Reading flights dataset from seaborn package

# Write your code here!
```



Regression plot

The `anscombe` dataset will be used to plot a heatmap of its values. The contents of the data can be viewed [here](#). The task is to plot a regression plot using the `x` and `y` column of the dataset to find the relationship between the two data values. Use the concepts of the regression plot explained [here](#).



```
import pandas as pd
import seaborn as sns

df = sns.load_dataset('anscombe') # Reading anscombe dataset from seaborn package

# Write you code here!
```



The next lesson shows a solution to the above problems.