**Day 82- 90 days of Analytics: Seaborn Basics**

In today’s video, we looked at the basics of seaborn

The following were mentioned

-Seaborn is a library that uses Matplotlib underneath to plot graphs. It is used to visualize random distributions.

-To install seaborn, we use the command: pip install seaborn

-Importing the Seaborn module, we use the following statement: import seaborn as sns

-Seaborn has inbuilt datasets. To view their names, we use the following command: sns.get\_dataset\_names()

-Some datasets include: 'brain\_networks', 'car\_crashes', 'diamonds', 'dots', 'dowjones', 'exercise', …

-To load a dataset, we use the load\_dataset() method. Example:

crash\_df = sns.load\_dataset("car\_crashes")

-The distplot() method is used to plot a distribution. Example

sns.distplot(crash\_df['not\_distracted'])

plt.show()

-The jointplot() method is used to plot one variable against another. Example

sns.jointplot(x='speeding',y='alcohol', data = crash\_df, kind='reg')

plt.show()

-The pairplot() method is used to plot all pairs of variables in a data frame. Example

sns.pairplot(crash\_df)

-Styling can be done on the various charts using the set\_style() method from sns, figure() method from plt and set\_context() method from sns. Styling is according to preferences

-The barplot() method permits us to draw bar chars. Example

sns.barplot(x='sex',y='total\_bill', data = tips\_df, estimator = np.median)

-The countplot() method permits us to count number of entries with the respect to the given parameter and draws a bar chart for different counts. Example

sns.countplot(x='sex', data=tips\_df)

Link to the YouTube Recording: <https://www.youtube.com/watch?v=f22cNQlfIzw>

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