Data Visualization

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With Pandas

* df.plot.bar()
* df.plot.line()
* df.plot.area()
* df.plot.hist()
* syntax : dataframe['column'].value\_counts().head(10).plot.bar()
* dataframe['ordinalcategory'].value\_counts.sort\_index.plot.bar()
* df.plot.scatter()
* df.plot.hex()
* df.plot.bar(stacked = TRUE)
* df.plot.line()

With Seaborn

* Bar Plot : sns.countplot() #good for nominal and small ordinal categorical data
* (Kernel Density Estimate)KDE Plot: sns.kdeplot() #good for interval data
* sns.jointplot #good for interval and some nominal categorical data.
* sns.violinplot() #good for interval data and some nominal categorical data

Example:

sns.jointplot(x='price', y='points', data=reviews[reviews['price'] < 100])

sns.jointplot(x='price', y='points', data=reviews[reviews['price'] < 100])

sns.boxplot(  
 x='variety',  
 y='points',  
 data=df )

Faceting with seaborn

* sns.FacetGrid() #good for data with atleast two categorical variables
* sns.pairplot() #good for exploring most kinds of data