Untitled5

June 24, 2020

In [9]: #import essential packages
 import seaborn as sns

```
import matplotlib.pyplot as plt
        #loads in the data set
        tips_data = sns.load_dataset("tips")
In [10]: tips_data.head()
Out[10]:
            total_bill
                         tip
                                 sex smoker
                                             day
                                                     time size
                 16.99 1.01 Female
                                         No
                                              Sun Dinner
                                                              2
         1
                 10.34 1.66
                                Male
                                             Sun
                                                  Dinner
                                                              3
                                         No
         2
                 21.01 3.50
                                             Sun
                                                              3
                                Male
                                                   Dinner
                                         No
         3
                                                              2
                 23.68 3.31
                                Male
                                         No
                                              Sun
                                                   Dinner
         4
                 24.59 3.61 Female
                                         No
                                             Sun
                                                   Dinner
                                                              4
In [11]: tips_data.describe()
Out[11]:
                total_bill
                                   tip
                                               size
                244.000000
                           244.000000
                                        244.000000
         count
                 19.785943
                              2.998279
                                           2.569672
         mean
         std
                  8.902412
                              1.383638
                                           0.951100
         min
                  3.070000
                              1.000000
                                           1.000000
         25%
                 13.347500
                              2.000000
                                           2.000000
         50%
                 17.795000
                              2.900000
                                           2.000000
         75%
                 24.127500
                              3.562500
                                           3.000000
         max
                 50.810000
                             10.000000
                                           6.000000
In [12]: #plot using histograms
         sns.distplot(tips_data["total_bill"], kde = False).set_title("Histogram to total bill
         plt.show()
```





























