***Assignment # 01***

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*System Integration & Architecture*

***Semester:***

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***Plot the Data On Google Play Store App Rating***

In this assignment, plot the data of Google Play Store App Rating. Data set has a lot of missing values in it. The Rating column has more missing values than others.

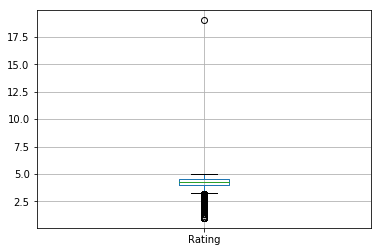
In this remove the missing values clean the data set and plot the data.

**import** **pandas** **as** **pd**

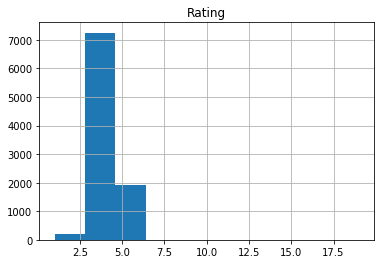
**import** **numpy** **as** **np**

**import** **matplotlib.pyplot** **as** **plt**

*google\_data.boxplot()*



*google\_data.hist()*

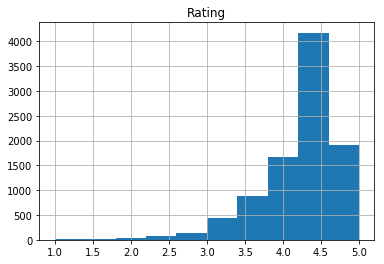
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***After data cleaning of rating column, the histogram looks like this:***

google\_data.hist()

Output:

array([[<matplotlib.axes.\_subplots.AxesSubplot object at 0x000001E193764128>]], dtype=object)

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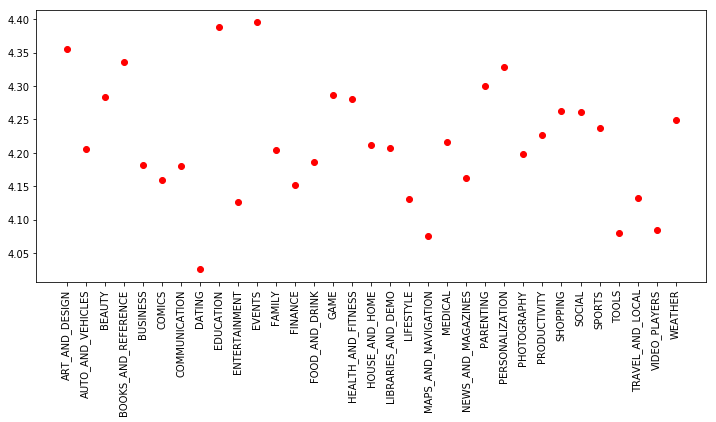
**Visualize the data:**

plt.figure(figsize=(12,5))

plt.plot(x, 'ro')

plt.xticks(rotation=90)

plt.show()



plt.figure(figsize=(16,5))

plt.plot(x,'ro', color='r')

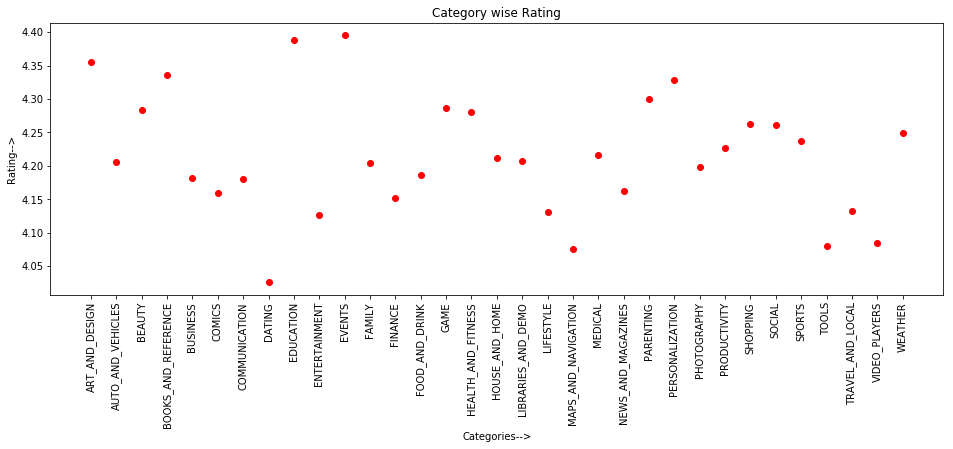
plt.xticks(rotation=90)

plt.title('Category wise Rating')

plt.xlabel('Categories-->')

plt.ylabel('Rating-->')

plt.show()



plt.figure(figsize=(16,5))

plt.plot(y,'r--', color='b')

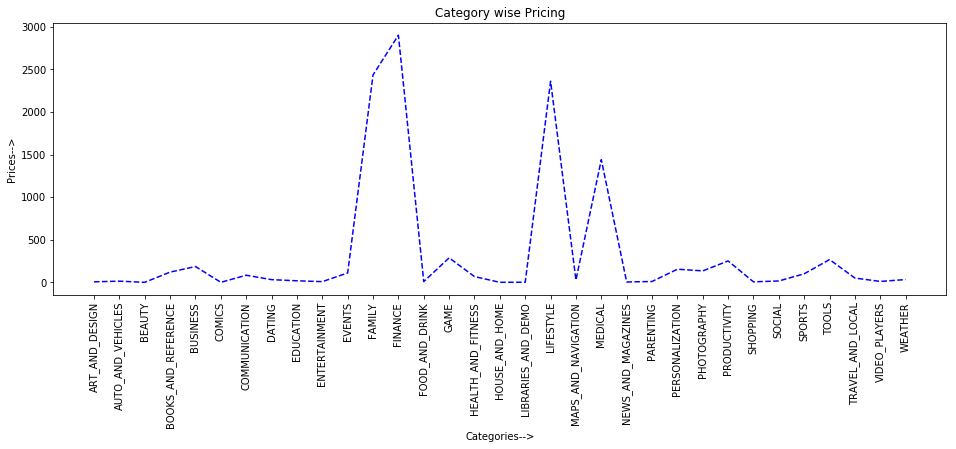
plt.xticks(rotation=90)

plt.title('Category wise Pricing')

plt.xlabel('Categories-->')

plt.ylabel('Prices-->')

plt.show()



plt.figure(figsize=(16,5))

plt.plot(z,'g^', color='g')

plt.xticks(rotation=90)

plt.title('Category wise Reviews')

plt.xlabel('Categories-->')

plt.ylabel('Reviews-->')

plt.show()

