**Project 4: Regression Analysis**

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**QUESTION 9:**

**About the Data:**

**9.1 Report the following statistics for each hashtag:**

**ANS:**

**Average number of tweets per hour:**

Average number of tweets per hour #goHwaks: 292.09326424870466

Average number of tweets per hour #gopatriots: 40.888695652173915

Average number of tweets per hour #nfl: 396.97103918228277

Average number of tweets per hour #patriots: 750.6320272572402

Average number of tweets per hour #sb49: 1275.5557461406518

Average number of tweets per hour #superbowl: 2067.824531516184

**Average number of followers:**

Average number of followers of users posting tweet #goHwaks: 2217.9237355281984

Average number of followers of users posting tweet #gopatriots: 1427.2526051635405

Average number of followers of users posting tweet #nfl: 4662.37544523693

Average number of followers of users posting tweet #patriots: 3280.4635616550277

Average number of followers of users posting tweet #sb49: 10374.160292019487

Average number of followers of users posting tweet #superbowl: 8814.96799424623

**Average number of retweets per tweet:**

Average number of retweets per tweet #goHwaks: 2.01320939913198

Average number of retweets per tweet #gopatriots: 1.408191910169

Average number of retweets per tweet #nfl: 1.534460265554

Average number of retweets per tweet #patriots: 1.78528712884

Average number of retweets per tweet #sb49: 2.5271344411

Average number of retweets per tweet #superbowl: 2.3911895819207

**9.2 Plot “number of tweets in hour” over time for #SuperBowl and #NFL:**

**ANS:**

**Chart

Description automatically generated**

**Chart, histogram

Description automatically generated**

**QUESTION 10:**