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title: "Alexa Reviews Sentiment Analysis"

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output: pdf

```{r}

alexa_reviews <- read.csv(file = 'C:/Users/Muzzumil/Desktop/amazon.tsv',sep = '\t',header = TRUE)

alexa_reviews <- alexa_reviews[1:5,1:4]

alexa_reviews

library(Hmisc)

describe(alexa_reviews)

custom_colors <- c("skyblue", "yellowgreen", 'tomato', "blue", "red")

pie(alexa_reviews$rating, labels = rownames(alexa_reviews), col=custom_colors, main = "Alexa Reviews Ratings")

library("plotrix")

draw.circle(0, 0, 0.4, col="white")

pacman::p_load(sentimentr, dplyr, magrittr)

sentiment(alexa_reviews$verified_reviews)

var <- alexa_reviews

i<-1

for(review in var$verified_reviews)
```

```
{
  var$Sentiment[i] <- sentiment(review)$sentiment
  if(var$Sentiment[i] > 0)
  {
    var$category[i] = "Positive"
  }
  else if(var$Sentiment[i] < 0)
  {
    var$category[i] = "Negative"
  }
  else if(var$Sentiment[i] == 0)
  {
    var$category[i] = "Neutral"
  }
  i<-i+1
}
var
```