

RWorksheets#6 (Group 3)

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The Shawhank Redemption #1.

```
library(readr)
library(tm)
```

```
## Loading required package: NLP
```

```
library(NLP)
library(RColorBrewer)
```

```
Shawhank <- read.csv("RevReviews.csv")
ShawhankRatings <- read.csv("RevRatings.csv")
```

```
# Sentimental Analysis Ratings
```

```
ShawhankSentimentAnalysis <- ifelse(ShawhankRatings$Ratings > 5, "Positive",
                                     ifelse(ShawhankRatings$Ratings == 5, "Average",
                                             "Negative"))
```

```
ShawhankSentimentAnalysis
```

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```

```
# Set encoding to UTF-8
```

```
Shawhank$TextReviews <- iconv(Shawhank$TextReviews, to = "UTF-8", sub = "byte")
```

```
# Corpus for text analysis
```

```
ShawhankCorpus <- Corpus(VectorSource(Shawhank$TextReviews))
```

```
# Corpus for text analysis
```

```
ShawhankCorpus <- Corpus(VectorSource(Shawhank$TextReviews))
```

```
# Remove English stop words
```

```
ShawhankCorpus <- tm_map(ShawhankCorpus, content_transformer(tolower))
```

```
## Warning in tm_map.SimpleCorpus(ShawhankCorpus, content_transformer(tolower)):  
## transformation drops documents
```

```
ShawhankCorpus <- tm_map(ShawhankCorpus, removePunctuation)
```

```
## Warning in tm_map.SimpleCorpus(ShawhankCorpus, removePunctuation):  
## transformation drops documents
```

```
ShawhankCorpus <- tm_map(ShawhankCorpus, removeNumbers)
```

```
## Warning in tm_map.SimpleCorpus(ShawhankCorpus, removeNumbers): transformation  
## drops documents
```


ShawhankWordCloud

NULL