Comparison Barplots

Kimberly Staudt

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Outline

Install and Load Libraries

- `library(dplyr)`

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- `library(tidytext)`

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- `library(gutenbergr)`

- `library(ggplot2)`

- `library(stringr)`

Access Project Gutenberg

```
df<-gutenberg_works(str_detect(title,'Dracula'))
df$gutenberg_id

## [1]    345 10150

df$title

## [1] "Dracula"          "Dracula's Guest"
```

Download Dracula

```
dracula<-gutenberg_download(341)
    colnames(dracula)

## [1] "gutenberg_id" "text"

substr(dracula$text[500],1,21)

## [1] ""
```

Unpack the Words

```
dracula_words<dracula%>%
  unnest_tolkens(word,text)%>%
  colnames(dracula_words)

## Error in eval(expr, envir, enclos):  object
'dracula_words' not found

  dracula_words$word[500,]

## Error in eval(expr, envir, enclos):  object
'dracula_words' not found
```

The Bing Lexicon

```
bing<-get_sentiments('bing')
  colnames(bing)

## [1] "word"       "sentiment"

  bing(498:500,)

## Error in bing(498:500, ):  could not find function
"bing"
```

Inner Join

```
dracula_words<-inner_join(dracula_words,bing)
```

Error in inner_join(dracula_words, bing): object 'dracula_words' not found

```
dracula_words$gutenberg_id<-NULL
```

Error in dracula_words$gutenberg_id <- NULL: object 'dracula_words' not found

```
dracula_words[498:500,]
```

Error in eval(expr, envir, enclos): object 'dracula_words' not found

Top Ten Positive Words I

```
dracula_pos<-dracula_words%>%
filter(sentiment=='positive')%>%
group_by(word)%>%
summarize(count=n(),sentiment=first(sentiment))%>%
arrange(count)%>%
top_n(10,wt=count)

## Error in eval(lhs, parent, parent):  object
'dracula_words' not found
```

Top Ten Positive Words II

```
dracula_pos
```

```
## Error in eval(expr, envir, enclos):  object
'dracula_pos' not found
```

Top Ten Negative Words

```
## Error in eval(lhs, parent, parent):  object
'dracula_words' not found
## Error in eval(expr, envir, enclos):  object
'dracula_neg' not found
```

The Comparison Barplot I

The Comparison Barplot II

```
dracula_pos$word<-factor(dracula_pos$word,
                         levels=dracula_pos$word)

## Error in factor(dracula_pos$word, levels =
dracula_pos$word):  object 'dracula_pos' not found

dracula_neg$word<-factor(dracula_neg$word,
                         levels=dracula_neg$word)

## Error in factor(dracula_neg$word, levels =
dracula_neg$word):  object 'dracula_neg' not found

dracula_comp<-rbind(dracula_pos,dracula_neg)

## Error in rbind(dracula_pos, dracula_neg):  object
'dracula_pos' not found

plot<-ggplot()+
geom_bar(data=dracula_comp,aes(x=word,y=count,
fill=sentiment, color=sentiment),stat='identity')+
```