

Positive and Negative Words in Dracula

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Outline

Install and Load Libraries

Searching for a Novel

Download Dracula from Project Gutenberg

Unpack the Words

The Bing Lexicon

Joining Dracula with Bing

Install and Load Libraries

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- ▶ `library(ggplot2)`

Searching for a Novel

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

## [1] 345 10150

df$title

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


Download Dracula from Project Gutenberg

```
dracula<-gutenberg_download(345)  
colnames(dracula)
```

```
## [1] "gutenberg_id" "text"
```

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

```
## [1] "my own disappointment"
```

Unpack the Words

```
words<-dracula%>%  
  unnest_tokens(word, text)  
colnames(words)  
  
## [1] "gutenberg_id" "word"  
  
words[500,]  
  
## # A tibble: 1 x 2  
##   gutenberg_id word  
##           <int> <chr>  
## 1           345 have
```

The Bing Lexicon

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

## [1] "word"      "sentiment"

bing[500,]

## # A tibble: 1 x 2
##   word sentiment
##   <chr>      <chr>
## 1 bereft    negative
```

Joining Dracula with Bing

```
words<-inner_join(words, bing)
words$gutenberg_id<-NULL
colnames(words)

## [1] "word"      "sentiment"
```