Wordcloud with Sentiments: Alice in Wonderland

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Outline

Install and load libraries

Download Alice in Wonderland text

Remove Chapter Headings

Unpack the Words

The Bing Lexicon

The Inner Join

Assign Sentiments

Wordcloud

Distinguish between Positive from Negative Sentiments



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- ► library(wordcloud)
- ► library(wordcloud2)
- ► library(reshape2)

Download Alice in Wonderland text

alice<-gutenberg_download(11)</pre>

Remove Chapter Headings

```
alice<-alice%>%
filter(!str_detect(alice$text,'^CHAPTER'))
alice<-alice[10:3339,]</pre>
```

Unpack the Words

```
alice_words<-alice%>%
unnest_tokens(word,text)
```

The Bing Lexicon

```
bing<-get_sentiments('bing')</pre>
```

The Inner Join

```
alice_words<-inner_join(alice_words,bing)
alice_words$gutenberg_id<-NULL</pre>
```

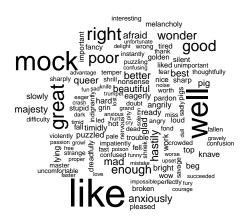
Assign Sentiments I

```
alice_words<-alice_words%>%
group_by(word)%>%
summarize(freq=n(),sentiment=first(sentiment))
```

Wordcloud I

```
wordcloud(alice_words$word,alice_words$freq, min.freq = 3)
```

Wordcloud II



Distinguish between Positive from Negative Sentiments I

Distinguish between Positive from Negative Sentiments II

