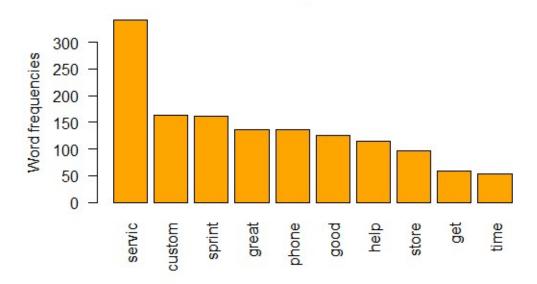
```
library("tm")
library("SnowballC")
library("wordcloud")
library("RColorBrewer")
LOAD:
> filepath <- "retail_transaction_seurvey_data.csv"</pre>
> text<-readLines(filepath)</pre>
> docs <- Corpus(VectorSource(text))</pre>
> docs <- Corpus(VectorSource(text))</pre>
> toSpace <-content_transformer(function (x , pattern)gsub(pattern, "</pre>
 ', x))
> docs <- tm_map(docs, toSpace, "/")</pre>
> docs <- tm_map(docs, toSpace, "@")
> docs <- tm_map(docs, toSpace, "\\|")</pre>
Clean text:
> docs <- tm_map(docs, content_transformer(tolower))</pre>
> docs <- tm_map(docs, removeNumbers)</pre>
> docs <- tm_map(docs, removeWords,stopwords("english"))</pre>
> docs <- tm_map(docs, removeWords, c("blabla1", "blabla2"))</pre>
> docs <- tm_map(docs, stripwhitespace)</pre>
> docs <- tm_map(docs, stemDocument)</pre>
> set.seed(1234)
> wordcloud(words = d$word, freq = d$freq,c(8,.3),2,, min.freq = 1,
max.words = 200, random.order = FALSE, rot.per = 0.35,
colors=brewer.pal(8, "Dark2"))
```



## Most frequent words



```
> findFreqTerms(dtm, lowfreq=100)
[1] "servic" "help" "good" "phone" "sprint" "custom" "great"
```

Only 7 words above occur atleast 100 times.

```
> dtm <- TermDocumentMatrix(docs)</pre>
> m <- as.matrix(dtm)</pre>
> v <- sort(rowSums(m), decreasing = TRUE)
> d <- data.frame(word = names(v),freq=v)</pre>
> head(d, 10)
         word freq
servic servic
                341
                164
custom custom
sprint sprint
                161
great
        great
                137
                136
phone
        phone
         good
help
                125
good
                115
help
                 97
store
        store
get
                 58
         get
time
                 54
         time
```

Based on the most frequent occurring words, it looks like this text document is a customer service (word service occurring 341 times and word custom probably stemmed from the word customer occurring 164 times) review (words great, good and help clearly indicate a kind of review) for sprint(which occurs 161 times). It is also clear from the word "phone" and "store" that it is store review of the phone service. And the words "great"," help" and "good" indicate that customer mostly have positive review on the service provided.