

iemisctext: Example Analysis using the tm package

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2024-05-31

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Examples

```
install.load::load_package("iemisctext", "tm", "data.table", "ggwordcloud")
# load needed packages using the load_package function from the install.load
# package (it is assumed that you have already installed these packages)

# appeal_womanhood_world
data(appeal_womanhood_world)

# create a document term matrix of appeal_womanhood_world
aww <- DocumentTermMatrix(appeal_womanhood_world, control = list(removePunctuation = TRUE,
  stopwords = TRUE, weighting = function(x) weightSMART(x, spec = "ntc")))

aww

## <<DocumentTermMatrix (documents: 1, terms: 170)>>
## Non-/sparse entries: 0/170
## Sparsity          : 100%
## Maximal term length: 13
## Weighting         : SMART ntc (SMART)

# get the word frequency table
aww_tf <- as.data.table(termFreq(appeal_womanhood_world$content[[1]]$content, control = list(removePunc
  stopwords = TRUE, weighting = function(x) weightSMART(x, spec = "ntc")), keep.rownames = TRUE)

# create a word cloud
ggwordcloud(aww_tf$V1, aww_tf$V2)
```

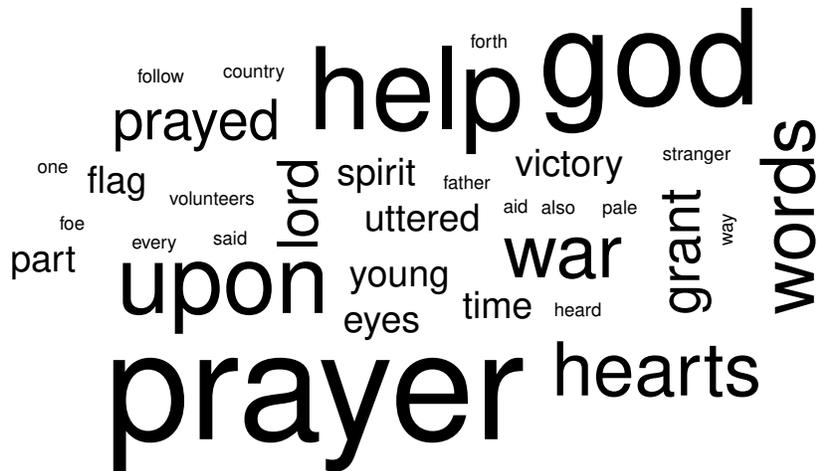


```

## Non-/sparse entries: 0/523
## Sparsity      : 100%
## Maximal term length: 13
## Weighting     : SMART ntc (SMART)
# get the word frequency table
wp_tf <- as.data.table(termFreq(war_prayer$content[[1]]$content, control = list(removePunctuation = TRUE,
  stopwords = TRUE, weighting = function(x) weightSMART(x, spec = "ntc"))), keep.rownames = TRUE)

# create a word cloud
ggwordcloud(wp_tf$V1, wp_tf$V2)

```



```

# war_racket
data(war_racket)

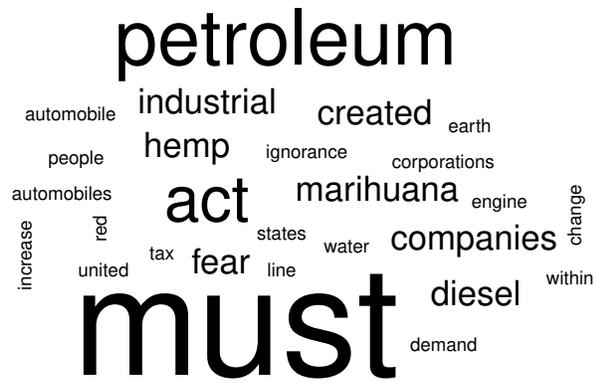
# create a document term matrix of war_racket
wr <- DocumentTermMatrix(war_racket, control = list(removePunctuation = TRUE, stopwords = TRUE,
  weighting = function(x) weightSMART(x, spec = "ntc")))

wr

## <<DocumentTermMatrix (documents: 1, terms: 1475)>>
## Non-/sparse entries: 0/1475
## Sparsity      : 100%
## Maximal term length: 15
## Weighting     : SMART ntc (SMART)
# get the word frequency table
wr_tf <- as.data.table(termFreq(war_racket$content[[1]]$content, control = list(removePunctuation = TRUE,
  stopwords = TRUE, weighting = function(x) weightSMART(x, spec = "ntc"))), keep.rownames = TRUE)

# create a word cloud
ggwordcloud(wr_tf$V1, wr_tf$V2)

```

```
# us_them
data(us_them)

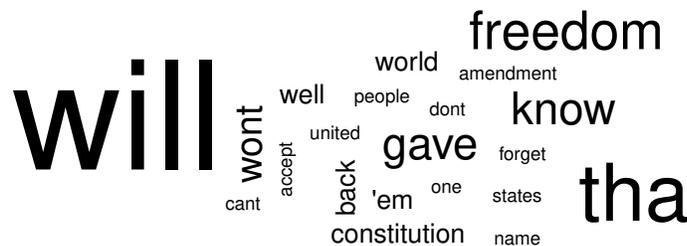
# create a document term matrix of us_them
ut <- DocumentTermMatrix(us_them, control = list(removePunctuation = TRUE, stopwords = TRUE,
  weighting = function(x) weightSMART(x, spec = "ntc")))

ut

## <<DocumentTermMatrix (documents: 1, terms: 247)>>
## Non-/sparse entries: 0/247
## Sparsity      : 100%
## Maximal term length: 71
## Weighting     : SMART ntc (SMART)

# get the word frequency table
ut_tf <- as.data.table(termFreq(us_them$content[[1]]$content, control = list(removePunctuation = TRUE,
  stopwords = TRUE, weighting = function(x) weightSMART(x, spec = "ntc"))), keep.rownames = TRUE)

# create a word cloud
ggwordcloud(ut_tf$V1, ut_tf$V2)
```



```
# climate_strange
data(climate_strange)

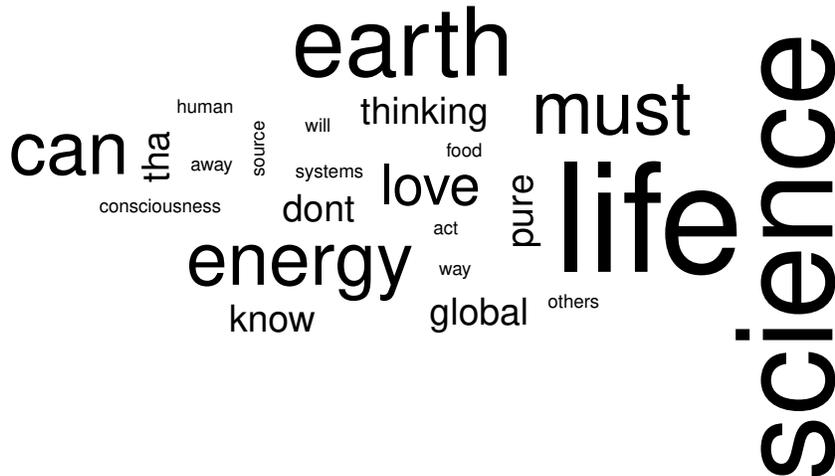
# create a document term matrix of climate_strange
cs <- DocumentTermMatrix(climate_strange, control = list(removePunctuation = TRUE,
  stopwords = TRUE, weighting = function(x) weightSMART(x, spec = "ntc")))

cs

## <<DocumentTermMatrix (documents: 1, terms: 525)>>
## Non-/sparse entries: 0/525
## Sparsity      : 100%
## Maximal term length: 24
```

```
## Weighting          : SMART ntc (SMART)
# get the word frequency table
cs_tf <- as.data.table(termFreq(climate_strange$content[[1]]$content, control = list(removePunctuation = TRUE,
stopwords = TRUE, weighting = function(x) weightSMART(x, spec = "ntc")), keep.rownames = TRUE)

# create a word cloud
ggwordcloud(cs_tf$V1, cs_tf$V2)
```



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