제8장 (연습) 워드클라우드

예제 1

```
library(wordcloud)

wordcloud(c(letters, LETTERS, 0:9), seq(1, 1000, len = 62))
```

결과 :

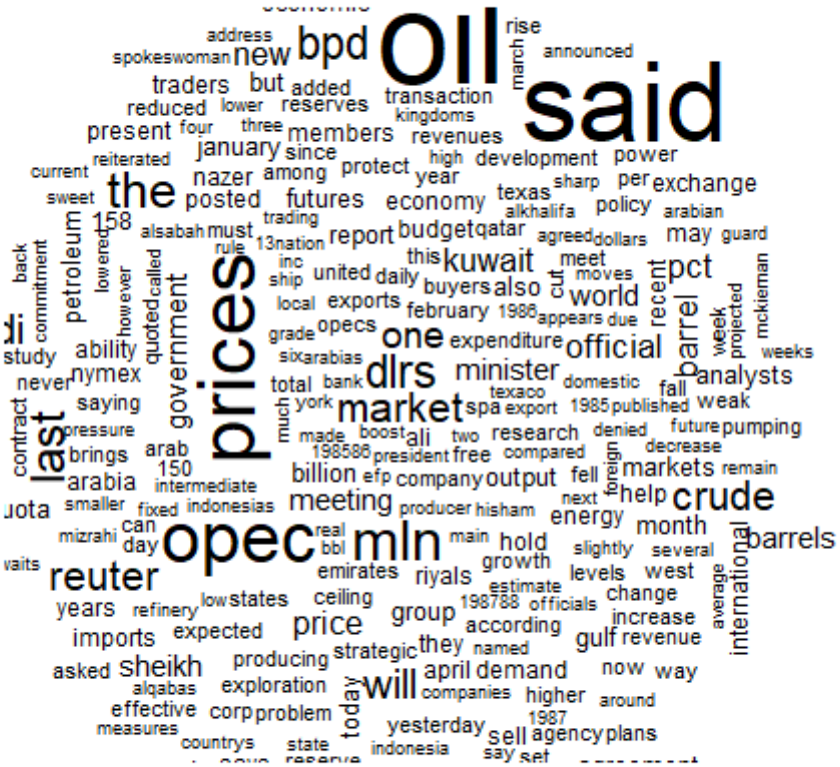
예제 2

```
## crude 데이터 세트를 이용한 워드 클라우드 ##
library(tm)
data(crude)

crude <- tm_map(crude, removePunctuation)
crude <- tm_map(crude, function(x)removeWords(x,stopwords()))

#####           from corpus         #####
wordcloud(crude)
```

결과 :

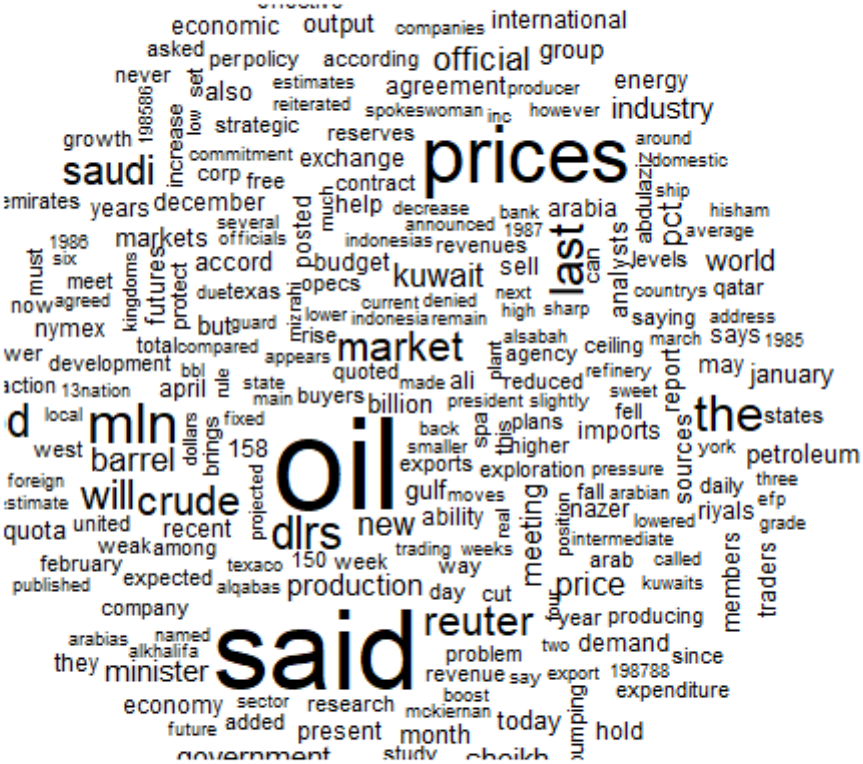


예제 3

```
#####       from frequency counts         #####
tdm <- TermDocumentMatrix(crude)
m <- as.matrix(tdm)
v <- sort(rowSums(m),decreasing=TRUE)
d <- data.frame(word = names(v),freq=v)

wordcloud(d$word,d$freq)
```

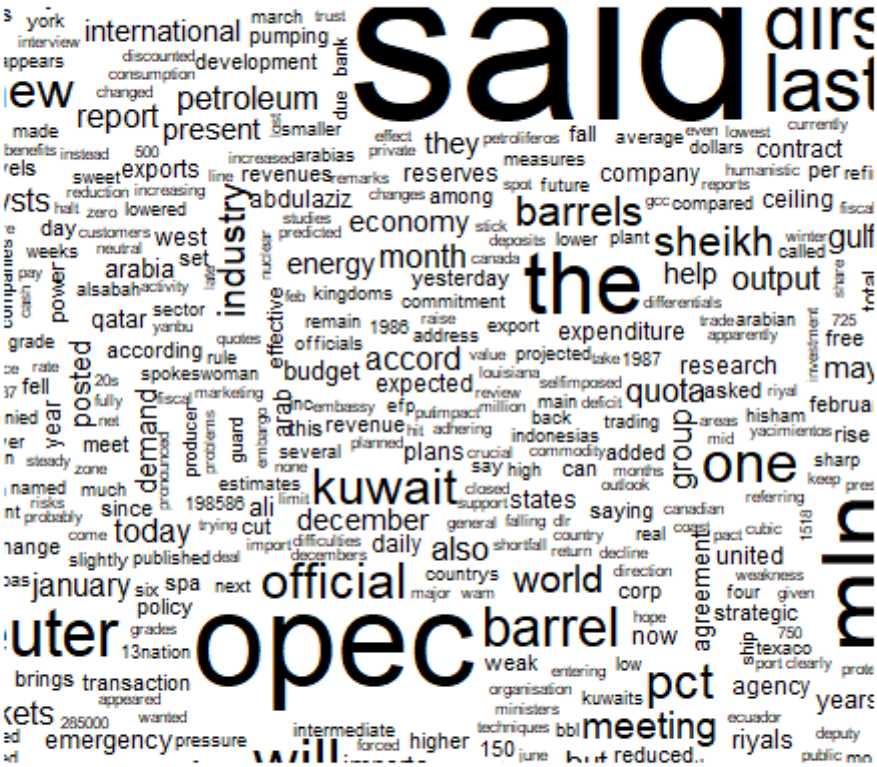
결과 :



예제 4

```
# A bigger cloud with a minimum frequency of 2
wordcloud(d$word,d$freq,c(8,.3),2)
```

결과 :



예제 5

```
# Now lets try it with frequent words plotted first
wordcloud(d$word,d$freq,c(8,.5),2,,FALSE,.1)
```

결과 :

예제 6

```
#####                  color 추가                ######

pal <- brewer.pal(9,"BuGn")
pal <- pal[-(1:4)]
wordcloud(d$word,d$freq,c(8,.3),2,,FALSE,,.15,pal)
```

결과 :

예제 7

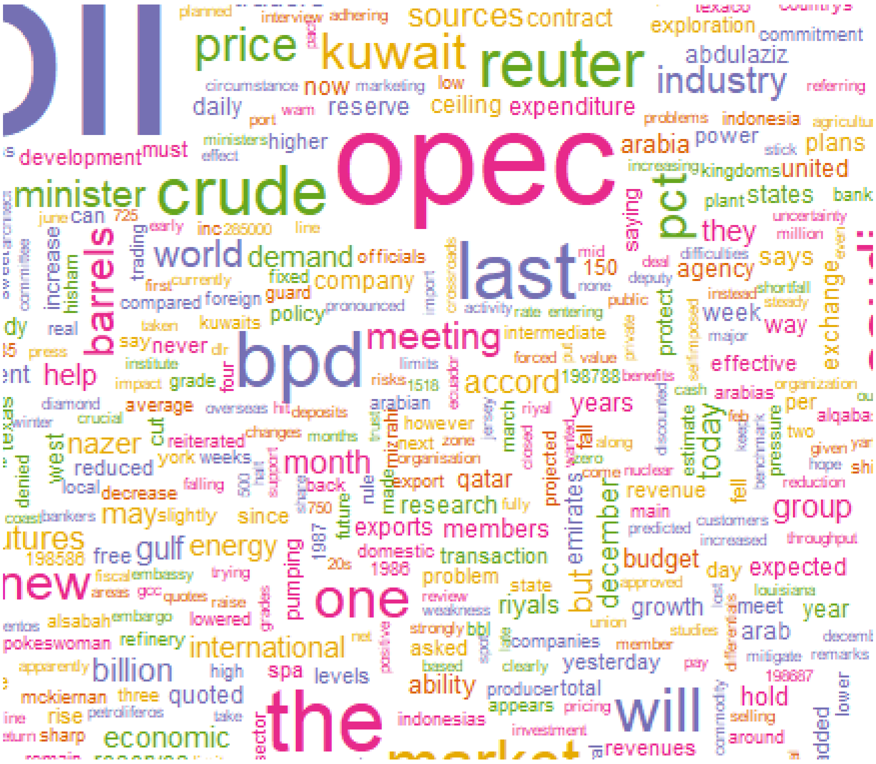
```
pal <- brewer.pal(6,"Dark2")
pal <- pal[-(1)]
wordcloud(d$word,d$freq,c(8,.3),2,,TRUE,,.15,pal)
```

결과 :

예제 8

```
# random colors
wordcloud(d$word,d$freq,c(8,.3),2,,TRUE,TRUE,.15,pal)
```

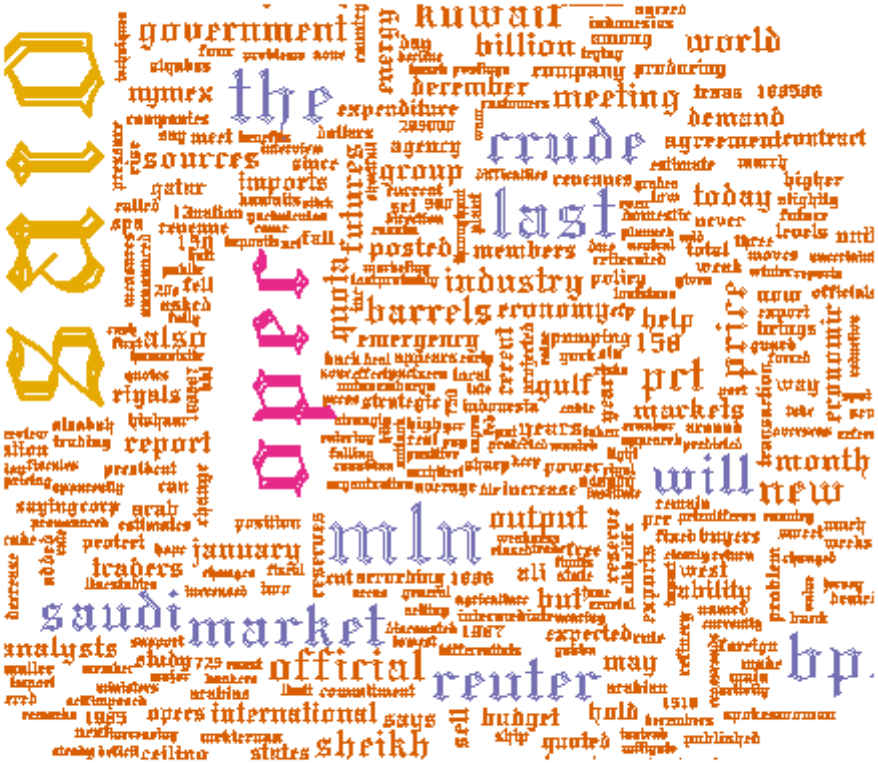
결과 :



예제 9

```
#####          with font          #####
wordcloud(d$word,d$freq,c(8,.3),2,,TRUE,,.15,pal,
          vfont=c("gothic english","plain"))
```

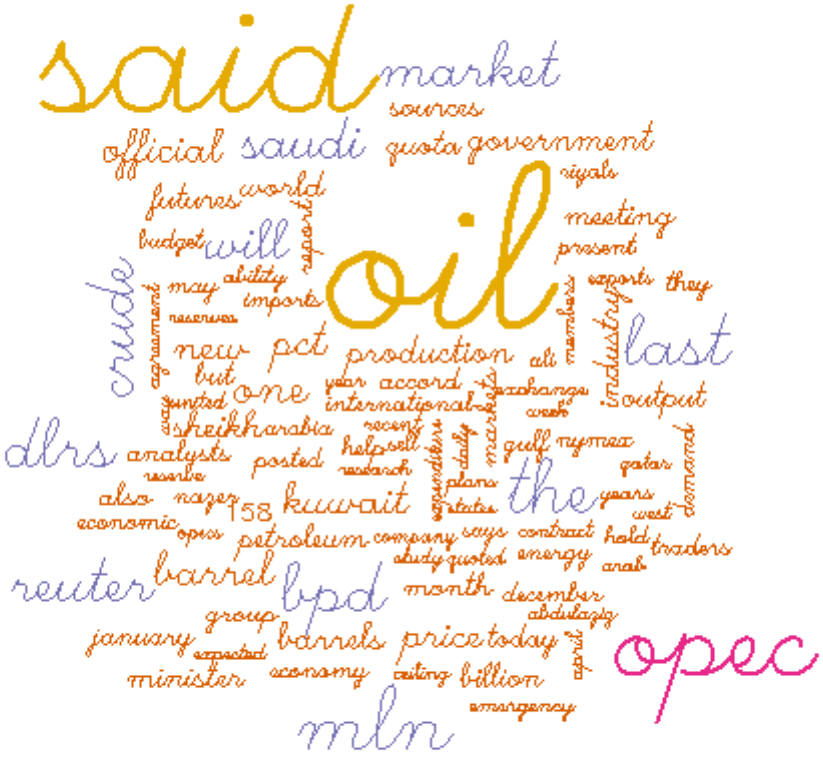
결과 :



예제 10

```
wordcloud(d$word,d$freq,c(8,.3),2,100,TRUE,,.15,pal,vfont=c("script","plain"))
```

결과 :



예제 11

```
wordcloud(d$word,d$freq,c(8,.3),2,100,TRUE,,.15,pal,vfont=c("serif","plain"))
```

결과 :


said
dlrs
saudi
the
now
agreement
plans
december
price
crude
sources
emirates
quoted
growth
opecs
futures
output
exchange
demand
company
minister
members
group
accord
gulf
energy
year
kuwait
recent
nymex
abdulaziz
posted
study
week
research
last
onepct
qatar
reserve
will
contract
markets
budget
barrels
reserves
january
states
report
production
riyals
may
new
agency
traders
but
official
ali
april
bpd
billion
expenditure
present
help
sheikh
158
says
arabia
quota
today
they
hold
government
way
mln
also
ceiling
barrel
sellworld
ability
month
economic
imports
years

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