text mining-4

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A: Data Preparation

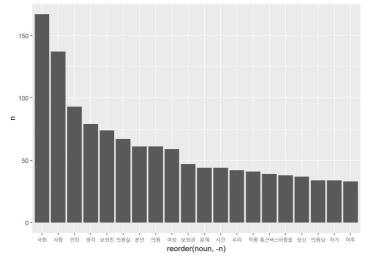
B: Text Wording

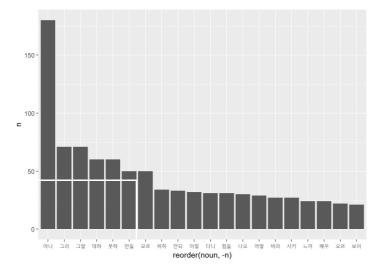
```
B1 <- Al$post %>%
SimplePosO9 %>%
melt %>%
as_tibble %>%
select(3, 1)

#'영사에 관하여'
B2 <- B1 %>%
mutate (noun=str_match(value, '([가-힐]+)/N')[,2]) %>%
na.omit %>%
filter(str_length(noun)>=2) %>%
count(noun, sort=TRUE)

B2_2 <- head(B2,20)

ggplot(B2_2,aes(x=reorder(noun, -n),y=n)) +
geom_bar(stat = "identity")
```





ব্রা:167 D: Word Cloud

```
wordcloud2(B2[1:30,],fontFamily = '나黃고딕',
minRotation=0, maxRotation=0)
```



E: Co-Occurrence Network Anlysis

```
ko_words <- function(doc) {
   d <- as.character(doc)</pre>
   pos <- unlist(SimplePos22(d))</pre>
   extracted <- str_match(pos, '([가-힣]+)/[N][A-Z]')
   keyword <- extracted[, 2]
   keyword[!is.na(keyword)]
texts <- Al$post %>%
  exts <- Al$post %>8

str_replace_all(pattern="\r", replacement="") %>8

str_replace_all(pattern="\n", replacement=" ") %>8

str_replace_all(pattern="[[:punct:]]", replacement=" ") %>8

str_replace_all(pattern="[¬-s|-|]+", replacement="") %>8

str_replace_all(pattern="/", replacement=" ") %>8
   str_trim(side="both")
texts <- texts[texts != ""]
pos <- Map(ko_words, texts)
corpus <- Corpus (VectorSource (pos))
tdm <- TermDocumentMatrix(corpus, control=list(
  removePunctuation=TRUE,
   {\tt removeNumbers=TRUE, wordLengths=c(4, 10), weighting=weightBin))}
tdm.matrix <- as.matrix(tdm)
word.count <- rowSums(tdm.matrix)
word.order <- order(word.count, decreasing=TRUE)
freq.words <- tdm.matrix[word.order[1:100], ]</pre>
co.matrix <- freq.words %*% t(freq.words)
```