> windows\_system = TRUE

> setwd("C:/Users/crmo/Assignment1\_Coolidge/455\_wordcloud\_jump\_start\_v001")

> library(wordcloud)

Loading required package: RColorBrewer

Warning message:

package ‘wordcloud’ was built under R version 3.2.5

> library(tm)

Loading required package: NLP

> if (windows\_system)

+ directory\_location <- paste(getwd(), "\\text\_documents\\", sep = "")

>

> if(!windows\_system)

+ directory\_location <- paste(getwd(), "/text\_documents/", sep = "")

> file\_names <- dir(directory\_location)

> text\_data\_frame <- NULL

> for (ifile in seq(along = file\_names)) { # begin for-loop for text objects

+ this\_file <- paste(paste(directory\_location, file\_names[ifile], sep = ""))

+ this\_text <- tolower(scan(this\_file, what = "char", sep = "\n"))

+ this\_text\_words <- unlist(strsplit(this\_text, "\\W"))

+ this\_text\_vector <- this\_text\_words[which(nchar(this\_text\_words) > 0)]

+ this\_data\_frame <- data.frame(document = file\_names[ifile], text = this\_text\_vector,stringsAsFactors = FALSE)

+ text\_data\_frame <- rbind(text\_data\_frame, this\_data\_frame)

+ }

Read 89 items

Read 122 items

> print(str(text\_data\_frame))

'data.frame': 18003 obs. of 2 variables:

$ document: chr "R\_W\_Coolidge\_1924.txt" "R\_W\_Coolidge\_1924.txt" "R\_W\_Coolidge\_1924.txt" "R\_W\_Coolidge\_1924.txt" ...

$ text : chr "font" "size" "smallmediumlargemaximum" "print" ...

NULL

>

> # -----------------------------------

> # word clouds

> # -----------------------------------

> for (ifile in seq(along = file\_names)) {

+ this\_file\_label <- strsplit(file\_names[ifile], ".txt", "")[[1]]

+ pdf(file = paste("word\_cloud\_", this\_file\_label, ".pdf", sep = ""),width = 8.5, height = 8.5)

+ cat("\nPlotting ", this\_file\_label)

+ this\_text\_vector <- as.character(subset(text\_data\_frame, subset = (document == file\_names[ifile]), select = text))

+ wordcloud(this\_text\_vector, min.freq = 5,

+ max.words = 150,

+ random.order = FALSE,

+ random.color = FALSE,

+ rot.per = 0.0, # all horizontal text

+ colors = brewer.pal(6, "Dark2"),

+ ordered.colors = FALSE,

+ use.r.layout = FALSE,

+ fixed.asp = TRUE)

+ dev.off()

+ }

Plotting R\_W\_Coolidge\_1924

Plotting R\_W\_Coolidge\_1925

> cat("\n\n RUN COMPLETE")

RUN COMPLETE