

Combine multiple .txt files

```
//create a list of all.txt files in directory
list.txt<-list.files(pattern = "*.txt")

//create an empty list
ldf<-list()

//for each file, load in, rename columns and add to ldf
for (i in 1:length(list.txt)){
  // read each text file in
  ldf[[i]] <- read.delim(list.txt[i])
  //rename column names so all are the same
  colnames(ldf[[i]]) <- c("Selection", "View", "Channel", "Begin_Time", "End_Time",
"Low_Freq",
                                "High_Freq", "Begin_Date", "Begin_Clock", "End_Clock", "Delta_Time", "Notes")
}

//bind all files into one table
df<-do.call("rbind", ldf)
```

Combine multiple .csv files

```
//find any file that starts with file_ and extension .csv in current directory and store name of each file
in a vector files
files<-list.files(pattern = "file_.*csv")

//read each file in files into a dataframe with read_csv() storing frames in df_list
df_list<-lapply(files, read_csv)

//concatenate all dataframes together
```



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 Page 1 of 3.

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Combine multiple .csv files (cont)

```
> combine<-bind_rows(df_list)
```

Set up and Loading Data

```
set working      setwd("file directory path")
directory

load packages    library(package.name)

import .csv file  data<-read.csv("filename.csv", fileEncoding="UT-
F-8-BOM")

import excel file data<-read.xlsx(choose.files("file.path", sheetN-
ame="file.name"))
```

Viewing and Basic Functions

```
view first 5 rows      head(data)
view last 5 rows      tail(data)
show dataframe structure  str(data)
mean(data$column)     print mean of column
median(data$column)   print median of column
var(data$column)      print variance of column
sd(data$column)       print standard deviation of column
```



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Page 3 of 3.

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