## Combine multiple .txt files

```
//create a list of all.txt files in directory
list.t xt< -di r(p attern = " *.t xt")
//create an empty list
ldf<-l ist()
//for each file, load in, rename columns and add to ldf
for (i in 1:leng th( lis ttxt)){
     // read each text file in
      ldf [[i]] <- (read.d el im( lis ttx t[i]))
      //r ename column names so all are the same
      col nam es( ldf [[i]]) <- c("S ele cti on", " Vie w", " Cha nne l", " Beg in_ Tim e", " End _Ti me",
" Low _Fr eq",
                                                    " Hig h_F req ", " Beg in_ Dat e", " Beg in_ Clo -
ck", " End _Cl ock ", " Del ta_ Tim e","N ote s")
 }
//bind all files into one table
df< -do.ca ll( " rbi nd", 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.f ile s(p attern = " fil e_.* cs v")
//read each file in files into a dataframe with read_csv() storing frames in df_list
df_lis t<- lap ply (files, read_csv)
//conc atenate all dataframes together
```

## Combine multiple .csv files (cont)

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

## Set up and Loading Data

| | |
|---|---|
| set working directory | setwd("file directory path") |
| load packages | library(package.name) |
| import .csv file | data<-read.csv("filename.csv", fileEncoding="UTF-8-BOM") |
| import excel file | data<-read.xlsx(choose.files("file.path", sheetName="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 |