Connections

Jayant

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Different functions

file opens a connection with a standard uncompressed file

gzfile opens a connection with a file compressed with gzip

bzfile opens a connection with a file compressed with bzip2

url opens a connection with a web-page

str() is a compact way to display the structure of an R object.

file Function

```
str(file)
```

```
## function (description = "", open = "", blocking = TRUE, encoding = getOption("encoding"),
##     raw = FALSE, method = getOption("url.method", "default"))
```

description -> Name of the file

open -> which mode i.e. :-

```
            r -> read only      ;      rb -> read in binary

            w -> New file write ;      wb -> write in binary

            a -> appending      ;      ab -> append in binary
```

Connections can be used to read parts of a file :_

Code:- con <- gzfile("words.gz") x <- readLines(con,10) x

Oputput:- [1] "1080" "10-point" "10th" "11-point" [2] "12-point" "16-point" "18th" "1st" [3] "2" "20-point"

writeLines() takes a character vector and writes each element one line at a time to a text file.

url Function

```r
con <- url("http://www.jhsph.edu","r")
x <- readLines(con)
head(x)
```

```
## [1] "<!DOCTYPE html>"
## [2] "<html lang=\"en\">"
## [3] ""
## [4] "<head>"
## [5] "<meta charset=\"utf-8\" />"
## [6] "<title>Johns Hopkins Bloomberg School of Public Health</title>"
```