download_and_unzip

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These two related functions download and/or unzip a file from the Internet when given a local directory (default name is `data`), a url, and an expected local file name:

- `downLoad` checks whether the file exists locally and downloads it if not
- `downloadUnzip` checks whether the zip file exists locally. if so, it unzips it. If not, it downloads the file and unzips.

To do:

1. add error checking including what to do if the user is offline
2. add option of changing url from "https" to "http"

`downLoad` function:

```r
downLoad <- function(dir = "data", url, file) {
    ## check if the expected directory exists in the working directory.
    dir <- paste("./", dir, sep = "")
    if (!file.exists(dir)) {
        ## if not, check whether the expected file exists in the working
        ## directory
        if (!file.exists(file)) {
            ## if not, try to download it -- need to remove 'method = "curl"'
            ## if using in Windows
            download.file(url, file, method = "curl", mode="wb")
        }
    }
    ## if the directory exists and/or if the file is downloaded,
}
```

`downloadUnzip` function:

```r
downloadUnzip <- function(dir = "data", url, file) {
    ## check if the expected directory exists in the working directory.
    dir <- paste("./", dir, sep = "")
    if (!file.exists(dir)) {
        ## if not, check whether the expected zip file ("file") exists
        ## in the working directory
        if (!file.exists(file)) {
            ## if not, try to download it -- need to remove 'method = "curl"'
            ## if using in Windows
            download.file(url = url, destfile = file, method = "curl",
                          mode="wb")
        }
```

```
        ## unzip the file if the directory doesn't already exist
        unzip(file)
    }
    ## if the directory exists and/or if the zip file is downloaded/unzipped
    ## or a previously downloaded version of the zip file is unzipped,
    ## proceed with execution of the script
}
```