

# Troubleshooting R Problems

*PubH 6002.10 Fall 2016*

*Wed Sep 14 13:54:09 2016*

## Basic Strategies

- Check the upper right hand corner of RStudio: is it showing the correct folder name?
- Check the files tab: are you seeing the contents of the folder?
- What part of your R code is error message complaining about? Is it a variable name? a function name? Double check that part specifically. For example if it's a variable name, try entering the variable name in the console by itself
- Check the environment for correct spelling

## Some Common Errors Messages

### unexpected end of input

#### *Example*

```
x = 1 + (2
```

```
Error: <text>:2:0: unexpected end of input
1: x = 1 + (2
  ^
```

#### *Things to check*

- Are you missing a close parenthesis?
- Do you have an extra open parenthesis?

### unexpected '...'

#### *Example*

```
x = 1,2
```

```
Error: <text>:1:6: unexpected ' ','
1: x = 1,
  ^
```

#### *Example*

```
x = 3 + / 2
```

```
Error: <text>:1:9: unexpected '/'  
1: x = 3 + /  
           ^
```

### *Things to check*

- Do you have an extra character floating?
- Did you put a comma instead of a period?

**There is no package called ...**

### *Example*

```
library(pubH6002)
```

```
Error in library(pubH6002): there is no package called 'pubH6002'
```

### *Things to check*

- Did you spell the name of the library correctly?
- Did you capitalize it correctly?

**Cannot open file '...': No such file or directory**

### *Example*

```
ds = read.csv('mortality.csv')
```

```
Warning in file(file, "rt"): cannot open file 'mortality.csv': No such file  
or directory
```

```
Error in file(file, "rt"): cannot open the connection
```

### *Things to check*

- Look at the upper right corner of RStudio: does it show the correct folder? If it doesn't, or if it shows "Project: (None)", RStudio is not anchored in the correct place. Exit RStudio and restart it by click on the start (or project) file in the correct folder.
- Is the name of the file correct? Click on the file tab and look for the file. Check the spelling of the file name

### could not find function "..."

#### Example

```
use(airquality)
```

```
Error in eval(expr, envir, enclos): could not find function "use"
```

#### Example

```
x = Sqrt(2)
```

```
Error in eval(expr, envir, enclos): could not find function "Sqrt"
```

#### Things to check

- Make sure you ran the `library(PubH6002)` statement. It's not enough for it to be in your R file, you need to click Ctrl-Enter on it. If it wasn't run, functions defined by the package will not be found.
- Check that the function name is spelled and capitalized correctly

### object '...' not found

#### Example

```
use(vlwb)
```

```
Error in use(vlwb): object 'vlwb' not found
```

#### Example

```
x+1
```

```
Error in eval(expr, envir, enclos): object 'x' not found
```

#### Things to check

- Did you spell the name of the variable or dataset correctly? Is it capitalized correctly? Check the environment, or use R's suggestions.
- For a dataset, did you read it in successfully? if the `read.csv` command failed, the dataset was not created. Check the environment to make sure you see the dataset.

### figure margins too large

If you see this message in the Plots tab it simply means the plotting area is too small to fit the plot (so there is nothing wrong with the R command you used). Drag the edges to make the plot area larger and try your plot again.

## Other problems

**The Files tab only shows one file, the project file**

If the “File” tab shows only the start file, you are inside the zip (compressed) folder. Exit from RStudio, open the compressed folder and drag and drop it’s contents (usually a folder) out: this is the correct (uncompressed) folder. Open this uncompressed folder, find the start file and click on it to launch RStudio