

Building R Packages

140.776 Statistical Computing

October 13, 2011

Set Path

```
PATH=C:\Tools\MathTools\Rtools\bin;C:\Tools\MathTools\Rtools\perl\bin;  
C:\Tools\MathTools\Rtools\MinGW\bin;C:\Tools\MathTools\R\R-2.8.1\bin;  
C:\Tools\TextEditors\LaTeX\MiKTeX2.6\miktex\bin;
```

Set Path

(1) `ls -a`

(2) find a `.profile` file (for example, `.bash_profile`)

(3) `vi .profile`

```
PATH=./usr/local/Python-2.5.1/bin:$PATH:$HOME/bin
```

(4) save, logout

(5) login

Skeleton

```
package.skeleton("square",code_files="square.R")
```

What to do next

Read-and-delete-me

```
R CMD build square
```

Check

```
R CMD check square_1.0.tar.gz
```

Install

```
R CMD INSTALL square_1.0.tar.gz
```


- Tuesday, October 18, 1:30-2:50, W2008
- Open book
- Bring your computer
- Bring a flash drive if you don't have internet access
- Bring a pen

Course Evaluation

Don't forget to evaluate our course and provide your suggestions on the course evaluation website.

Thank you!