**R Package components, from H. Wicham at** [**http://r-pkgs.had.co.nz**](http://r-pkgs.had.co.nz)

* [Code (R/)](http://r-pkgs.had.co.nz/r.html)

**We have four functions**

Discretised\_Susceptible\_Survival\_Prob

Susceptibles\_Pop

Discretised\_Susceptible\_Cumulative\_Survival\_Prob

Susceptibles\_Cum\_Pop

**And three more to be written (most likely not during this workshop)**

calculate\_prevalence

sample\_survey\_xs

sample\_survey\_coh

TASK 1-4; “Clean up code for each function according to H.Wickham” *Code*, guidance.

* [Package metadata (DESCRIPTION)](http://r-pkgs.had.co.nz/description.html)
* [Object documentation (man/)](http://r-pkgs.had.co.nz/man.html)

TASKS 5-8; work through Roxygen workflow for each of four functions;

* [Vignettes (vignettes/)](http://r-pkgs.had.co.nz/vignettes.html)

TASKS 9-12; work through

* [Testing (tests/)](http://r-pkgs.had.co.nz/tests.html)

TASKS 13-16

* Complete *Test Workflow for each of functions 1-4* <http://r-pkgs.had.co.nz/tests.html>
* [Namespaces (NAMESPACE)](http://r-pkgs.had.co.nz/namespace.html)
* [Data (data/)](http://r-pkgs.had.co.nz/data.html)
* [Compiled code (src/)](http://r-pkgs.had.co.nz/src.html)
* [Installed files (inst/)](http://r-pkgs.had.co.nz/inst.html)

**Reorganizing Repository**

**Tasks 17**

* Create separate branches for tasks listed in document
  + Question; should we create separate branches for each of Tasks 1-4 and/or should Andrew and Laurette create a branch

**Get a better understanding of parallelization**

**Tasks;** Explore how to re-write these functions using *parallel* package

*Discretised\_Susceptible\_Cumulative\_Survival\_Prob*

*Susceptibles\_Cum\_Pop*