Project

* understand outbreaker
  + augmented data – missing data
    - transmission trees as extra parameter
  + PLOS computational biology, 2014 (Jombart et al.)
* git
* version control systems: tracking changes in your work
  + centralised systems: on a server
    - but you can lose all history
    - SVN
  + Install git / get an account / play with it
    - “commit” and “checkout” is local
    - “pushing” and “pulling” in talking with the server
  + git scm for documentation
  + learn git
* R dev
* Write as you go
  + Especially for the methods
  + For example at the end of the day / week
* Timeline
  + End of April
    - Paper and theoretical outbreaker
      * Meet once that is understood
      * References in introduction
        + Ypma
        + Morelli
        + Cottam
      * What is outbreaker good and bad at
        + which situations to use it in
    - Outbreaker code
      * Practical on using outbreaker
        + <https://sites.google.com/site/therepiproject/tutorials>
        + “Genetic analysis of disease outbreaks using R”
    - LaTeX
    - git / development
  + May
    - End of Week 1 (May 7)
      * What am I going to be doing exactly?
      * First draft of model
      * Some equations
    - 21st May
      * Implement our model; make the tool
  + 1st set of results by 1st July
  + Final results by 15th July
  + 1st draft by 1st August
* Latex/sweave
* Unit tests (testthat)
* Travis (continuous integration)
* codecov for telling you which lines of code are tested