Instructions to run Jewell code

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July 24, 2015

1. Change working directory to directory where data files are located. Data must include:

   ```
   Found here: https://github.com/chirimacha/Bandit/tree/master/run_bandit/data
   tiabaya1_waddlhouses.csv
   tiabaya2_waddlhouses.csv
   tiabaya3_waddlhouses.csv

   Found here: https://github.com/chirimacha/Jewell/tree/master/Data
   Corentins_Predictions_Jun-24-2015_07-13-06.csv

   The inspections database should be what is updated every night, currently found here:
   https://github.com/chirimacha/Jewell/tree/master/Data
   inspecciones.csv
   ```

2. Make sure all packages are installed. The packages used are

   ```
   library("lubridate")
   library("PBSmapping")
   library("plyr")
   library("inline")
   library("Rcpp")
   ```

3. Run the entire script, except the last two lines. The last two lines run the function, which is described in more detail below.

4. The script creates a function `run.mcmc(banditarm, iterationnumber)` and outputs a data frame of houses in order of their probability of infestation. For example, to run the code on arm1 for 400,000 iterations (which I think is reasonable to start), run:

   ```
   results <- run.mcmc(1,400000)
   ```

   In the code on github, it is set to run run.mcmc(1,10)

5. If you want, you can then save these results in your working directory:

   ```
   write.csv(Results,file="Results.csv")
   ```