Use the R functions for your methods from Part 2 to conduct a hypothesis test for Songs A – C from the Part 1 of the project as well as each of the (real) songs in located in the Songs subdirectory in the Projects folder. You will need to use the bootstrap and should model your code after Cmax\_hyp\_test.R (discussed in class).

The following are the hypotheses you are testing.

H0: Notes are missed completely at random

HA: Notes are not missed completely at random.

What to turn in: By 4 pm Friday, April 1, provide me with a list of p-values for each song (for each of your methods) so I may collect the results.

Some helpful R code to read in the data (do something similar for the other songs):

girl=scan(‘*InsertPathToDirectory*/American\_Girl.txt’)

The songs will be posted Friday, March 25 after 4 pm (i.e., the deadline for watching the videos and recording the notes for extra credit).

Part 4 of the project will be assigned very soon! Following that you will need to put it all together in a nice project report (more details will follow).