Lab 2C: Which Song Plays Next?
Response Sheet

Directions: Record your responses to the lab questions in the spaces provided.

Estimate what...?

•   Why do we *put a song back* each time we make a selection?

•   What would happen in our little experiment if we did not do this?

Pick a song, any song

•   Once everyone in your class has computed their proportions, calculate the *range* of proportions (The largest proportion minus the smallest proportion) for your class and write it down.

Now do() it some more

•   Compute the proportion of "rap" songs for your 50 draws and find out if the *range* for your class' proportions is bigger or smaller than when we drew 10 songs.

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On your own

- Answer this by estimating the probability that a randomly chosen student went to the movies using 500 simulations.

- Write down both the estimated probability and the code you used to compute your estimate. You might find it helpful to write your answer in an R Script *(File -> New File -> R Script).*

- Include `set.seed(123)` in your code before you do 500 repeated samples.