

M & M Demo:

You have an M & M bag with N M & M's and S blue ones. Supposing the color of each M & M is randomly drawn from some iid distribution, what is a 95% confidence interval of the probability the company makes an M & M blue? Use the bootstrap and compare to the Wald and Agresti intervals.

Class field trip to WalWa to buy M & M's.

Grab a bag of M & M's and do it!

Does it work?

Lab: The Bootstrap

1. Free throws

Recall the free throw lab from yesterday.

Add bootstrap CIs of p to the plot. Thoughts?

* We will have a much more extensive Bootstrap lab in the machine learning unit