The Probability Mass Function - Lab

Due No Due Date **Points** 0

(https://github.com/learn-co-curriculum/dsc-probability-mass-function-lab) (https://github.com/learn-co-curriculum/dsc-probability-mass-function-lab/issues/new/choose)

In this lab you'll apply what you previously learned about probability mass functions (PMFs) to explore the *class size paradox*. The class size paradox describes apparent contradictory findings where a total allocation of resources is fixed.

The idea behind this paradox is that there is a difference in how events are actually distributed and how events are perceived to be distributed. These types of divergence can have important consequences for data analysis. Probability mass functions can help resolve some of these situations, as you'll learn below.

Objectives

You will be able to:

- · Explain the class size paradox
- Create visualizations to visually compare actual and biased observations
- Calculate the mean from PMFs to identify the expected value

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How do you feel about this lesson?



Have specific feedback?

<u>Tell us here!</u> ⇒ (https://github.com/learn-co-curriculum/dsc-probability-mass-function-lab/issues/new/choose)