

# Monday, October 22, 2018

- Warm-up
  - What is the probability that in a group of 37 students at least two of them share a birthday?
  - Do a simulation to answer this question.
- Work more on project



# Objectives

- Content Objective: I will design a simulation, following the steps outlined.
- Social Objective: I will work well with a partner, making sure both of us understand and can explain the simulation.
- Language Objective: I will use correct vocabulary in discussing my simulation with my partner and in preparation to explain it to the class.

What is the probability that in a group of 37 students at least two of them share a birthday?

Using a calculator

Generate 37 integers between 1-365

Look for repeated numbers, count how many repeat



# Poster Project

- Create a poster explaining your simulation, the results, and how those results answered your question.
- Select your partner
- I will give you a problem



## 1. The Method

- E:** Randomizes simulation correctly
- P:** Randomizes somewhat correctly
- I:** Uses and inappropriate model

## 2. The Simulation

- E:** Explains procedure well, clearly displays the simulation process, counts the components of the trials correctly
- P:** meets only 2 requirements
- I:** meets fewer than 2 requirements

## 3. Interpretation

- E:** Establishes a standard of proof consistent with the simulation and justifies conclusion based on that standard.
- P:** Fails to justify the decision rule OR confuses the model with reality
- I:** Fails to address the issue of statistical significance