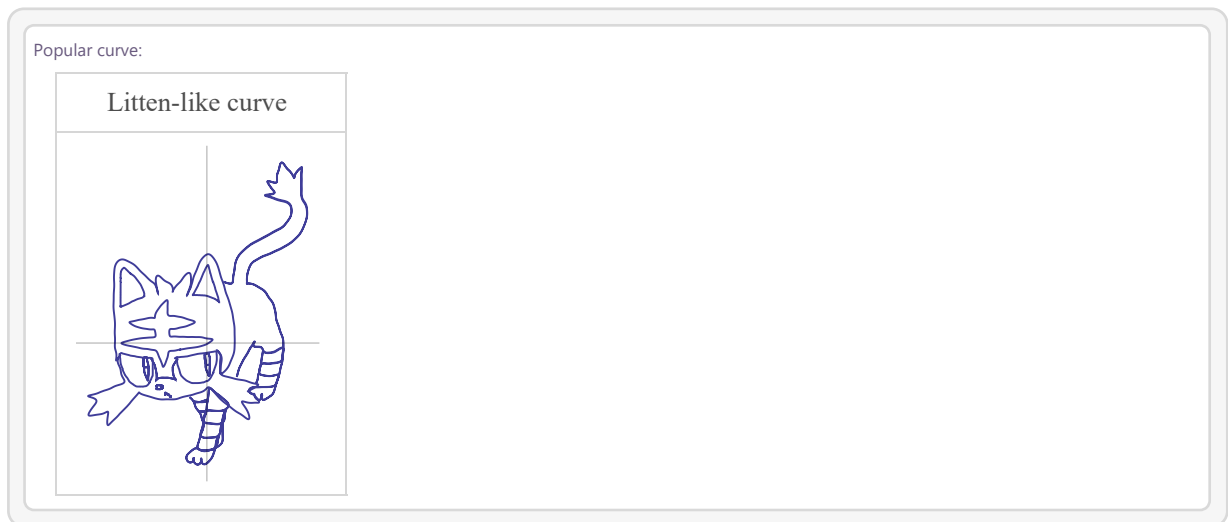


Project 2: Proposal



The purpose of this project is to explore the spawn rates of different Pokemon based on chosen conditions. Your proposal should be **1/2 to 1 page in length**.

Examples of spawn rate factors: Daytime vs nighttime, sunny vs windy (or any combination of two weather conditions in the game), with a lure vs without a lure (you could do two different types of lures), dorm vs classroom building (or any two locations). Be creative! Can you think of other possibilities?

Your proposal must include the following sections:

A) A discussion of the question you are asking. Explain the condition you are investigating and the two different states the condition could be. Explain why you think the condition matters for spawn rates. **Give a hypothesis** (educated guess) about how spawn rates may be affected by the condition.

B) **Here is the experiment design:** You will record the species of Pokemon that spawn over a 30 minute period. You must repeat this collection process 4 times: 2 times for one state of your condition (daytime, sunny, with a lure, etc) and then 2 times for the other state of your condition (nighttime, windy, without a lure, etc). *You don't have to do this yet, this is just for your information to plan ahead for Project 2: Data.* **What you must put in your proposal:** Explain how you will find time to record Pokemon spawns. Then explain how you will make sure that your condition is the only thing affecting spawns. Will you have to record the data in the same place every time? The same time of day? Will you have to avoid lured areas?

C) A conclusion, including what you hope to learn from your experiment. What probabilities

might appear in your experiment? Can you find any dependent or independent events?

Grading

The proposal is worth a total of 10 points.

2 Points are for clarity of exposition.

4 Points are for the proposed question and hypothesis.

0-1 Points	Does not contain a clear condition or hypothesis.
2-3 Points	Underdeveloped hypothesis or unclear that hypothesis can be tested with the proposed conditions.
4 Points	Clearly identifies a condition with two states and gives a testable hypothesis.

4 Points are the experimental design and data collection plan

0-1 Points	Does not describe a clear plan for data collection or organization
2-3 Points	Lack of detail in design. Unclear that the plan can be carried out.
4 Points	Clear and attainable plan for executing experiment which addresses stated hypothesis.