

Quarter 1 Reflective Presentation Activity: "My Journey in AP Statistics – Units 1 & 2"

Activity Instructions

Objective: Reflect on what you've learned in the first 8 weeks of AP Statistics (Units 1: Exploring One-Variable Data; Unit 2: Exploring Two-Variable Data). Create a 5-7 minute presentation that explains key concepts, shows your understanding through examples, and connects them to real life. This is not a test—it's your chance to demonstrate growth and insight.

What to Include (Structure Your Presentation):

1. **Introduction (1 minute):** Briefly introduce yourself and 1-2 big ideas from the units (e.g., "Variation in data helps us see patterns, and relationships between variables reveal associations").
2. **Key Concepts from Unit 1 (2 minutes):** Explain 2-3 concepts (e.g., describing distributions with shape/center/spread, or graphs like histograms/boxplots). Use a simple sketch or example from class (e.g., compare two distributions of test scores).
3. **Key Concepts from Unit 2 (2 minutes):** Explain 2-3 concepts (e.g., scatterplots and correlation, or residuals in regression). Show how they build on Unit 1 (e.g., "Scatterplots extend histograms by linking two variables").
4. **Reflection & Connection (1-2 minutes):** Discuss what surprised you (e.g., "Correlation doesn't mean causation—context matters!"), how it changed your view of data (e.g., in news or daily life), and one question you still have.
5. **Conclusion:** End with how you'll use this in future units (e.g., "Data collection in Unit 3 will test these tools").

Requirements:

- Prepare with 3-5 slides (hand-drawn, PowerPoint, or Google Slides)
- Include at least 2 sketches (e.g., a boxplot or scatterplot) and 1 real-world example with context (e.g., "In sports, player height correlates with points, but training causes it").
- Practice timing; present to the class.
- Due: Present during the week of November 10-14, 2025 (order assigned by draw).

Preparation Tips: Use class notes/handouts for accuracy. Focus on clear explanations—**no reading slides**. **Rehearse** for confidence!

Presentation Rubric

Total Marks: 16 (4 sections, 4 marks each: 1 = Weak [incomplete/unclear], 2 = Basic [some detail, minor errors], 3 = Good [clear, mostly accurate], 4 = Excellent [detailed, insightful, error-free]).

Section	1 Mark (Weak: Incomplete or unclear)	2 Marks (Basic: Some detail, minor errors)	3 Marks (Good: Clear, mostly accurate)	4 Marks (Excellent: Detailed, insightful, error-free)
Content Knowledge	Lists 1-2 concepts vaguely; sketches/examples missing or incorrect; little/no context.	Covers 2-3 concepts with basic accuracy; 1 sketch/example with minimal context; some errors.	Demonstrates 4 concepts clearly; 2 sketches/examples with good context; minor gaps.	Fully covers 4-6 concepts accurately; 3+ sketches/examples richly contextualized; no errors.
Explanation & Clarity	Explanations unclear or off-topic; no flow; jargon undefined; units not connected.	Basic explanations with some flow; simple language but occasional jargon; weak unit links.	Clear explanations with logical flow; simple language, jargon defined; solid unit connections.	Insightful explanations with excellent flow; precise/simple language; seamless unit integration.
Visuals & Examples	0-1 unclear sketch/graph; examples generic/no context; poor labeling.	1-2 basic sketches/graphs; 1 example with limited context; some labeling.	2 relevant sketches/graphs; 2 examples tied to context; clear labeling.	3+ high-quality sketches/graphs; 2+ examples deeply contextualized; fully labeled.
Reflection & Insight	Minimal reflection; no personal growth	Basic reflection with 1 insight;	Thoughtful reflection with 1-2	Profound reflection with 2+ insights;

Section	1 Mark (Weak: Incomplete or unclear)	2 Marks (Basic: Some detail, minor errors)	3 Marks (Good: Clear, mostly accurate)	4 Marks (Excellent: Detailed, insightful, error-free)
	or real-life tie; weak takeaway.	some growth question; vague real-life link.	insights; clear growth; relevant real-life/future ties.	strong personal growth; innovative real-life/future connections.