

Hawai'i APSI 2025 Agenda



Date: 14-17 July, 2024
Time: 8:00 am-4:00 pm
Damien Memorial School

Theme:

Embracing the spirit of aloha!
(The Aloha Spirit - Compassion and kindness to all with whom we cross paths in our everyday lives)

Course Description:

This 4-day institute will help deepen your understanding of the AP Statistics course and exam. We will focus on effective strategies for helping students master the essential concepts and skills in the AP Statistics Course and Exam Description (CED). We'll examine high-impact resources and supports for classroom instruction, assessment, and AP exam preparation—including those available on AP Classroom. And we will discuss issues related to planning and organizing the course, such as student recruiting, sequencing and pacing, the AP Audit, technology, and projects.

The following are some of the goals for the week:

- Participants will become familiar with relevant resources and effective instructional strategies that can enhance the quality of their AP Statistics course.
- Participants will actively participate in activities that develop deeper understanding of statistical concepts.

Expected outcomes for the 4-days:

- Participants will learn about the format, content, rubric, and grading of the AP Statistics Exam.
- Participants will have a better understanding of statistical inference.

What should participants bring to the workshop?

- Writing utensil
- Calculator

Agenda for Days 1-4

This schedule may change in accordance with the participant needs as determined during the first day of the workshop

DAY 1

Warm up: General course information and resources

Content	Classroom Activities
General Course Information and Resources	
Unit 1: Exploring One-Variable Data	Can Joy Smell Parkinson's?
Unit 2: Exploring Two-Variable Data	How Did Marty Do on His Test?
	Can You Curve the Test Scores?
	How Long is Your Favorite Song?
	How Many Rubber Bands Does Barbie Need?
	How Good are the Predictions for Barbie?
	Barbie Bungee Finale

DAY 2

Warm up: College Board resources

Content	Classroom Activities
Unit 3: Collecting Data	Does Beyoncé Write Her Own Lyrics?
	Does SAT Prep Improve Scores?
	Does SAT Prep Improve Scores? Part 2
Unit 4: Probability, Random Variables	Are Soda Contests True?
	Can You Taco Tongue and Evil Eyebrow?
	Will the U.S. Win the World Cup?
	Do You Like Green Skittles?
	How Many Bottle Flips to Go Viral?

DAY 3

Warm up: College Board Equity and Access

Content	Classroom Activities
Unit 5: Sampling Distributions - Proportions	What's the Proportion of Orange Reese's Pieces?
	Do Skittles or M&Ms Have More Orange Candies?
Unit 6: Inference for Proportions	Which Way Will the Hershey Kiss Land?
	How Much of the Earth is Covered by Water?
	Which Grade is More Likely to Go to Prom?
	Is Mrs. Gallas a Good Free Throw Shooter?
	Can You Taste the Rainbow?
	Which Grade is More Likely to Go to Prom? Part 2

DAY 4

Warm up: Reflection and Planning

Content	Classroom Activities
Unit 5: Sampling Distributions - Means	How Tall to be in the NBA?
	How Tall to be in the NBA? Part 2
Unit 7: Inference for Means	How Much Screen Time?
	What is Normal Body Temperature?
Unit 8: Chi-Square	What is Your Favorite Color M&M? Part 1
	What is Your Favorite Color M&M? Part 2
Unit 9: Inference for Slope	Do Absences Affect Your Grade?