

STATISTICS SYLLABUS

MR. ADAM CARRILLO · FALL 2026 · ROOM E204



INTRODUCTION

Welcome to Statistics at Canyon Crest Academy! It is my hope that the structure of this class will lead to a relevant, enjoyable, and fulfilling experience for all. If there are any questions about the syllabus, please contact me via the email listed above. I look forward to a great semester. Go Ravens!

GUIDING PRINCIPLES

Three guiding principles support my daily teaching:

- 1) Providing all students with a supportive yet challenging learning environment while developing critical thinking skills
- 2) Promoting a classroom where all students collaborate, compare strategies, and communicate mathematical reasoning
- 3) Establishing a classroom culture where all mistakes are valued and feedback is used to improve student understanding

COURSE OVERVIEW

Our district is utilizing [Statistics and Probability with Applications 5e](#) as the textbook for this course, which is composed of the following ten units / topics:

First Quarter (8/11/26 to 10/9/26)

- 1) Analyzing One-Variable Data
- 2) Modeling One-Variable Data
- 3) Analyzing Two-Variable Data
- 4) Collecting Data
- 5) Probability

Second Quarter (10/13/26 to 12/18/26)

- 6) Random Variables
- 7) Sampling Distributions
- 8) Estimating a Parameter
- 9) Testing a Claim
- 10) Comparing Two Populations or Treatments

For more information, please view the lesson schedule that is posted at adamcarrillo.com/stats

DAILY ROUTINES

- 1) **Experience:** Students will experience and solve a critical thinking problem collaboratively with their teams, which will introduce the topic for the day.
- 2) **Formalize:** Student strategies and observations from the critical thinking problem will be shared and used to formalize into lesson notes.
- 3) **Brain Break:** Students will participate in a brief activity in the middle of class to refresh their focus before returning to learning.
- 4) **Practice:** Students will complete practice problems to show understanding of the new material introduced during the lesson.

REQUIRED MATERIALS

- Chromebook & Stylus
- Notebook
- Pencils
- Erasers

CLASSROOM RULES

- Respect Yourself & Others
- Put Away Phones & Headphones
- Be Punctual

CLASSROOM EXPECTATIONS

- Bring Required Materials
- Be Ready to Participate
- Give Your Best Effort

All students are responsible for contributing to a positive learning environment and will be held accountable for upholding the stated rules, expectations, and classroom policies at all times.

CONTACT

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adamcarrillo.com

OFFICE HOURS (ROOM E204)

- Lunch: Mon. & Wed.
- After School: Tue. & Thu.
- By Appointment

GRADING CATEGORIES (% OF GRADE)

5 Unit Tests (60%), worth 120 pts each, will consist of multiple choice, short answer, and free response questions for students to demonstrate competency of the material.

40 Assignments (20%), worth 5 pts each, will mostly consist of practice problems from the lesson. These are graded based on completion and are due prior to the beginning of the next school day to receive full credit.

1 Project (15%), worth 150 pts, will ask students to apply the course concepts towards an open-ended prompt provided at the conclusion of each quarter.

10 Classworks (5%), worth 5 pts each, will consist of completed notes from the lesson. Two classworks from each unit will be randomly checked and graded based on completion.

CATEGORY	PTS
Unit Tests	600
Assignments	200
Project	150
Classworks	50
Total	1000

GRADE	PTS
A	895 – 100
B	795 – 894
C	695 – 794
D	595 – 694
F	0 – 594

The weighted grade distributions and grade percentages are detailed in the tables to the right. *What is shown in Aeries will be the grade given.* No extra credit / retakes are offered in this course. Thank you for your understanding.

MAKE UP, EXTENSION, & LATE WORK POLICY

If a student is absent from class, they should review the missed lesson material on Google Classroom. Upon a student's return, it is their responsibility to visit me during my Office Hours to make up any missed tests. If a student feels like they need an extension on an assignment because of an absence or other reason, they need to email me *prior* to the deadline, and I will work with them to agree on an extension date. No credit will be given for assignments turned in after the corresponding unit test. Class announcements, important dates, and additional course policies are available to view on my website.

adamcarrillo.com/policies

MR. CARRILLO'S SEVEN STEPS TO SUCCESS IN MATH CLASS

- 1) **Be Fully Present:** Participate with your teams. Ask questions. Follow along with the classwork and notes. And be aware of any distractions, whether that may be a smartwatch, another classmate, etc.
- 2) **Don't Stay Confused:** It's completely normal to be confused at times. But when you are, take initiative! Let me or a classmate know. If you are confused at home, take a look at the posted videos.
- 3) **Make Study Plans:** This is a higher-level course. You will need to set aside time multiple days in advance of each test to review notes and complete practice problems.
- 4) **Take Each Test Seriously:** Get a good night's sleep beforehand. While taking: keep an eye on the clock and pace yourself. Double check your work for simple errors. Attempt every problem.
- 5) **Communication is Key!** Don't hesitate to reach out to me if you need support with anything. I am flexible and will work with you, provided there is communication in advance.
- 6) **Organize Your Work:** Take clear and detailed notes either digitally on your Chromebook or physically in a notebook. You will want to look at them later when completing the project.
- 7) **Do Practices With Integrity:** Do the optional practice problems! Write down your work and correct any mistakes. If you blindly copy from the answer key, you won't learn the lesson.

ABOUT ME

Growing up in Orange County, CA, I was fortunate to learn from teachers who not only inspired their students but also prepared them to lead impactful lives. Their influence sparked my own interest in becoming a teacher and building that same classroom environment. Committed to a career in high school education, I received a degree in Applied Mathematics from San Diego State University, followed by a Master of Education from UCLA. Outside of the classroom, I enjoy watching sports, playing the trombone, spending time outdoors, and mentoring college students. I am now proud to be in my fourth year as a member of the Raven family at Canyon Crest Academy!

SDSU

UCLA