



Travelers Rest High School



Course Syllabus Statistical Modeling CP, 11-12 Credit: One Unit

Teacher: Kevin Hawkins

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Textbook Title:

Bluman, A. G. (2023). *Elementary Statistics: A Step-by-Step Approach*. McGraw Hill.

Course Description:

Statistical Modeling (SM) is a newly designed course that extends students' understanding of statistics. This course offers students opportunities to strengthen their understanding of the statistical method of inquiry and statistical simulations. Students will formulate statistical investigative questions to be answered using data, design and implement a plan to collect the appropriate data, select appropriate graphical and numerical methods for data analysis, and interpret their results to make connections with the initial question. The process standards, through a statistical lens, will provide the foundation for instruction and assessment. Topics should be introduced and assessed using simulations and appropriate supporting technology.

Learning Objectives:

The course standards for Statistical Modeling CP are based on the standards found in the "2025 South Carolina College- and Career-Ready Mathematics Standards." Students who have completed Statistical Modeling CP with a passing grade of 60% or higher will have demonstrated the ability, concepts, knowledge, and skills required to meet those course objectives. These course standards can be found [here](#).

Course Outline:

- Nature of Statistics 6 days
- Frequency Distributions and Graphs 7 days
- Data Description 6 days
- Probability and Counting Rules 8 days
- Discrete Probability Distributions 7 days
- The Normal Distribution 10 days
- Confidence Intervals and Sample Size 8 days
- Hypothesis Testing 8 days
- Two Sample Hypothesis Testing 8 days

** Dates are subject to change depending on school obligations **

Required Materials:

- Two spiral-bound notebooks
- #2 pencils
- TI-84 Plus calculator or app on cell phone (for home use only)

Grades Policy/Practices and [Late Work / Make Up Policy](#)

Student progress is cumulatively assessed each nine weeks in the following way:

60 Percent: Major Grades - Major Tests, Projects, and Major writing Assignments

40 Percent: Minor Grades - Formative Assessments, Quizzes

Grading Scale: A = 90-100

B = 80-89

C = 70-79

D = 60-69

F = 50-59

Testing Policy

Tests should be completed in the allotted time, unless that student receives special accommodations involving extended time. Any test questions that are left blank are considered wrong.

If you are absent from school for a test or quiz, it is best practice to take that assessment as soon as possible (the next day before when school help is offered for your class). Should you become severely sick, to the point where you cannot do any work, then you should contact the teacher as soon as possible and explain the situation.

Class Expectations:

Students are expected to take an active role in their education and work to the best of their ability. This means that they must be paying attention, taking notes, asking, and answering questions, and demonstrating substantial effort during and outside of class. Students are expected to devote significant time to their studies outside of the classroom and stay up to date on all assignments. Students are expected to ask for additional help as needed.

****Students are responsible for their own learning****

Mr. Hawkins' Classroom Rules:

1. Please be respectful towards Mr. Hawkins and all of your fellow classmates.
2. Students must remain silent during classroom instruction, unless called upon or otherwise instructed.
 - a. No side conversations during class.
 - b. If you have a personal question, please see me before the bell rings or after class.
3. 3. Students must have all materials ready before the bell rings.
 - a. Students must have a notebook and/or paper.
 - b. Students must have a sharpened pencil or pen.
 - c. Students must have access to their device every day.
4. Students must be seated in their assigned seat before the bell rings. Students should immediately begin working on the bell ringer when they enter the classroom. Cell phones and other electronic devices must be put away before entering the classroom.
 - a. During class, all cellphones, earbuds, and other personal electronic devices must be out of sight and silent during class time.
 - b. Acceptable places to store your devices include your backpack, pocket, or purse. Devices cannot be on your desk or in your lap.
5. Students should be seated for the entire class period. Do not get up for any reason without permission.
6. Be respectful towards all school property and materials. Clean up around your desk before you leave.
7. Any student caught cheating on an assignment or assessment will receive a zero, his or her parent/guardian will be contacted, and could possibly result in a referral to administration.
8. All other school policies still apply.

Consequences

1. Warning
2. Teacher/student conference
3. Parent contact
4. Referral to administration

*Any severe disruptions will result in immediate referral to administration.

*After receiving a referral for repeated misbehavior, discipline will continue with subsequent referrals.

Magic School

- This year, students will use MagicSchool AI, a generative AI platform designed specifically for education. As tools like ChatGPT and Gemini become standard in the professional world, utilizing MagicSchool prepares students for the future workforce by teaching safe and responsible technology use.
- Students will use these tools for real-time feedback and dynamic problem-solving. To ensure appropriate use, teachers retain access to all student chats. MagicSchool strictly protects privacy and does not collect or utilize student data. All AI software, including MagicSchool, complies with GCS Board Policy and Administrative Rule IA.

Generative AI

This course may utilize generative AI tools, such as MagicSchool and Google Gemini, to supplement traditional instruction. Greenville County Schools prioritizes the ethical use of these technologies for brainstorming and self-guided learning.

- **Critical Thinking First:** AI must not replace original thought or coursework.
- **Academic Integrity:** Using AI to complete and submit assignments as original work constitutes plagiarism.
- **Required Citation:** If teacher-approved, all AI use must be properly cited.
- **Content Awareness:** Students must remain vigilant regarding potential biases and inaccuracies in AI-generated content.
- **Policy Compliance:** All AI programs align with GCS Board Policy and Administrative Rule IA.