

AP Statistics Resources

1. YouTube

- College Board's playlists for MCQ and FRQ practices:
https://youtube.com/playlist?list=PLoGgviqq4845u-QDW3bikMhC4uQsuYDpy&si=Kmrkc3qw_qdJfUVq
- Micheal Porinchak for unit-by-unit reviews and MCQ walk-throughs:
https://youtube.com/playlist?list=PL6334s8hsQG0-paS6qXI5_Mt7gsfZwoE9&si=4NbXWdzPbjKF1-CS
- Prepworks Education for a complete review:
https://youtu.be/2_xrFqBVAlc?si=TuonMIldiM9uTeNX
- Fiveable 5-hour Cram video: <https://youtu.be/YUfZQpecJTI?si=hRf-dLOqXjiPDcCY>

2. Free MCQ Practice:

- CrackAP for various practice tests: <https://www.crackap.com/ap/statistics/index.html>
- 2012 Published Practice Test:
<https://apcentral.collegeboard.org/media/pdf/ap-statistics-practice-exam-2012.pdf>
- Varsity Tutors for diagnostic tests and flashcards:
https://www.varsitytutors.com/ap_statistics-practice-tests
- Stat Trek for 2 practice tests and concept overviews:
<https://stattrek.com/ap-statistics/practice-test>
- Knowt: <https://knowt.com/exams/AP/AP-Statistics>
- Thea Study Assistant to generate questions: <https://www.theastudy.com/>

3. College Board's Official Sources

- Watch the **Daily Videos** to learn how to answer the FRQs and the MCQs
- Read through the **Official Course Description** and solve the sample exam questions:
<https://apcentral.collegeboard.org/media/pdf/ap-statistics-course-and-exam-description.pdf>
- Solve the past FRQs:
<https://apcentral.collegeboard.org/courses/ap-statistics/exam/past-exam-questions>

4. Useful links:

- <https://drive.google.com/drive/folders/19EkJ8j71O5cayXq0Udf5wKw11t9-Kp9f>
- <https://drive.google.com/drive/folders/1Jtq73rlF2J5uJEP0hHv7HoQiCsOdmusB>

TOP TIPS FROM YOUR TUTOR:

- **Master the Essentials:** Be confident with **setting up and interpreting confidence intervals** and **performing hypothesis tests**. These are core to both FRQs and MCQs.
- **Use Your Calculator Effectively:**
Get comfortable with your **graphing calculator** (TI-84 or similar) and explore tools like **Desmos** if allowed. Practice computing test statistics, confidence intervals, and regression models efficiently.
- **Know When to Use Which Test:**
Distinguish between **z-tests**, **t-tests**, **chi-square tests**, and **proportion tests**. This is **crucial** for FRQs and often appears in MCQs. Understanding the conditions for each test is essential.
- **Interpret Sampling Distributions:**
Understand how sample statistics vary and what this tells you about the **population parameter**. Be ready to explain variability, standard error, and the Central Limit Theorem.
- **Understand Experimental Design:**
Know how to identify **population vs. sample**, **parameter vs. statistic**, and describe **random sampling**, **random assignment**, and **bias**. These are easy points if you've reviewed the definitions and examples.