

AP STATISTICS QUARTERLY

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The AP exam for 2022 is business as usual this year and we have yet to hear if there will be any changes due to the COVID pandemic.

Last year, we had 3 options for testing dates, and it was up to each school to determine what date would work best for their students. In addition to the various testing dates, schools also had the option to take the test on paper or online.

This year, there have been no announcements about changing the dates or having a virtual exam. Plan on having the exam, on paper only, on the listed date to the left.

AP STATISTICS EXAM

Thursday, May 5th 2022
12:00 PM Local Time

WHERE ARE YOU?

Staying up to date with the pacing of your AP Statistics curriculum

Starting the 2nd semester, where are you at in the curriculum? The majority of teachers who were asked this question said that they were starting Unit 5 - Sampling Distributions (which is where I am at as well).

If you are behind this pacing, **DO NOT WORRY**. This is another "unprecedented" year (anyone else annoyed with that term yet?) and it is normal to be a little below or above that.

Since I am starting off this semester in Unit 5, below, I have an approximate layout of the rest of my semester. Remember, that this is the pacing for MY students and their needs. Yours will probably be different and that is **OKAY!** You are welcome to use this as a starting point if you are a little lost.

January

Week of 1/10

- U5 Notes 1 – The Normal Distribution and Combining Normal Random Variables
- U5 Notes 2 – Sampling Distribution of a Sample Proportion
- U5 Notes 3 – Sampling Distribution of a Difference in Sample Proportions
- Unit 5 Quiz

Week of 1/17

- U5 Notes 4 – Sampling Distribution of a Sample Mean
- U5 Notes 5 – Sampling Distribution of a Difference in Sample Means
- Activity: Penny Ages

Week of 1/24

- Unit 5 In Class Summary
- U5 Review Game
- Unit 5 Test
- U6 Notes 1 – Confidence Intervals for Population Proportions

February

Week of 1/31

- U6 Notes 2 – Significance Test for Proportions
- U6 Quiz
- U6 Notes 3 – Errors and Power

Week of 2/7

- Activity: M&Ms
- U6 Notes 4 – Relationship between Confidence Intervals and Significance Tests
- U6 Notes 5 – Comparing Population Proportions
- Unit 6 In Class Summary

Week of 2/14

- Unit 6 Project
- Unit 6 Test
- Activity: Walk the Line

Week of 2/21

- U7 Notes 1 – Confidence Intervals for Means
- U7 Notes 2 – Significance Test for Means
- Activity: IQ
- Unit 7 Quiz



Things to Remember:

My goal is always to finish Unit 8 (Chi-Square Tests) before we leave for Spring Break at the end of March. I'm successful at this about 50% of the time. In my experience (and opinion), as long as you finish Unit 7 by the end of March, you are still in a good spot to have plenty of review time before the exam.

If you finish Unit 6 by the end of March, you still have time to finish the curriculum by the exam, but you will probably not have a lot of review time before the exam.

What can you cut out? Unfortunately, there is not much in terms of content that can be cut out. If I was behind, I would first cut out all the quizzes and make them take-home assignments instead.

Next, I would assign the videos for the notes at home, so we have more time in class to work on assignments and get ahead.

Lastly, you can always cut back on the activities, but I always hate doing that because that is the fun part!

I DO NOT assign work over Spring Break. If you do, that is totally fine. I am of the opinion that kids need breaks too, so I avoid work over break at all costs.

I know it is unavoidable for some schools though, so consider having students watch note videos. It is a little more passive of an assignment for overworked students and can really free up class time for some great activities to strengthen learning!

March

Week of 2/28

- U7 Notes 3 – Margin of Error and Matched Pairs
- U7 Notes 4 – Difference Between Two Means
- U7 Notes 5 – Choosing Your Inference Method

Week of 3/7

- Unit 7 In Class Summary
- Unit 7 Test
- Activity: M&Ms
- U8 Notes 1 – Chi-Square GOF Test

Week of 3/14

- U8 Notes 2 – Chi-Square Test for Homogeneity
- Unit 8 Quiz
- U8 Notes 3 – Chi-Square Test for Association/Independence
- U8 Notes 4 – Comparing Three Chi-Square Tests

Week of 3/21

- Unit 8 Test Review
- Unit 8 Test

Spring Break for us!

RESOURCES

What can help you in your classroom?

To the right are my resources available on TPT that can help you out in your AP Statistics classroom! Click on the image to be taken to the product and a more detailed description.

I also have compiled some great resources for you below as well. Click on the links to check them out!

[Unit 5 Sampling Distribution - Skew the Script: The German Tank Problem](#)

[Unit 6 Confidence Intervals for Proportions - StatsMedic: Which way will the Hersey Kiss fall?](#)

[Unit 7 Significance Test for Means - StatsMedic: Are students getting enough sleep?](#)

[Unit 8 Chi-Square Distribution - Skew the Script: Police and Race](#)

