

Coconino High School

Weekly Learning Guide

Course	AP Statistics	Week Assigned	4/20/20
Lesson Title	Significance Testing		
Teacher(s), Email, & Other Contact Information	ggarcia@fUSD1.org		
Target Standards	S-IC.5 Use data from a randomized experiment to compare two treatments; use simulations to decide if differences between parameters are significant.		
Learning Goal	<ul style="list-style-type: none"> • State and check the Random, 10%, and Large Counts conditions for performing a significance test about a population mean. • Calculate the standardized test statistic and P-value for a test about a population mean. • Interpret the power of a significance test and describe what factors affect the power of a test. 		
Essential Questions	<p>When should you reject or fail to reject a null hypothesis? What conclusion can you make once you reject a null hypothesis? Or fail to reject a null hypothesis? When would each type of error occur? What are the cautions within each type?</p>		
Learning Activity	<p>Part 0 Power (this should have been apart of last week) Part 1 Significance Test for a Mean Part 2 Power</p> <p>Expectation: To complete each part of the lesson, watch each video, and complete the Check for Understanding questions. Upload completed lessons in google classroom (most are able to do this) or by email if unable to upload.</p>		
Resources	<p>Google Classroom Code: d6snme2 Google Drive Folder: https://drive.google.com/drive/folders/1AOPFCHz0yqTDDStekVevQlhmvsyhAEKs?usp=sharing Khanacademy.org Class code: 7FTEZM</p>		
Extension & Enrichment	<ul style="list-style-type: none"> • Join our Khanacademy.org class and complete the lessons for the week (ending 5/6/20) • Solve the AP FRQ of the week and contribute to the conversation centered around that question in google classroom. 		

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| | <ul style="list-style-type: none">• Stats Medic AP Test Review (for those taking the AP test) |
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