

Coconino High School

Weekly Learning Guide

Course	AP Statistics	Week Assigned	5/11/20
Lesson Title	Paired Data		
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	- Analyze the distribution of differences in a paired data set using graphs and summary statistics - Construct and interpret a confidence interval for a mean difference - Perform a significance test about a mean difference - Determine when it is appropriate to use paired t procedures versus two-sample t		
Essential Questions	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 should you use paired t procedures versus two-sample t?		
Learning Activity	Part 1 Confidence Interval for Paired Data Part Significance Test for Paired Data 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.		
Resources	Google Classroom Code: d6snme2 Google Drive Folder: https://drive.google.com/drive/folders/1AOPFCHz0yqTDDStekVevQlhmvsyhAEKs?usp=sharing Khanacademy.org Class code: 7FTEZM		
Extension & Enrichment	- 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. - Stats Medic AP Test Review (for those taking the AP test)		

