

Grade 12

Distance Learning Module 4: Week of: 4/20th -4/24th

Mathematics: Statistics Level 3 - [Unit A: Introduction to Single Variable Statistics](#)

Targeted Goals from Stage 1: Desired Results - Analyzing: Students will be able to examine information/data/evidence to make inferences and identify possible underlying assumptions, patterns, and relationships.

Content Knowledge: understanding density curves, describing properties of distributions, applying the empirical rule

Vocabulary: percentile ranks, z-scores (standard scores), relative ranks, density curve, empirical rule

Skills: solving density curve problems, finding percentile ranks, finding areas based on the empirical rule

Expectation: Students will be able to describe distributions that approximate normal

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Percentile ranks	Slides 6-10 , KA calculating percentiles video ,	KA practice problems
Tuesday: z-scores	Slides 11-16 , KA z-scores video , KA comparing z-scores video ,	KA practice problems
Wednesday: density curves online meeting	Slides 17-21 , KA density scores video , KA properties of density curves video	relative scores ws answer key
Thursday: density curve problems	Slide 27 , KA density scores problems video ,	practice problems , density curves
Friday: empirical rule Online meeting	Slide 28-32 , qualitative properties of the normal distribution video , The empirical rule video	empirical rule problems , answers

Week criteria for success videos and problems complete as listed in daily checks

Supportive resources and tutorials for the week (plans for re-teaching): Khan Academy resources, unit [Slides](#)