

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	<u>Slides 6-10</u> , <u>KA calculating percentiles video</u> ,	<u>KA practice problems</u>
Tuesday: z-scores	<u>Slides 11-16</u> , <u>KA z-scores video</u> , <u>KA comparing z-scores video</u> ,	<u>KA practice problems</u>
Wednesday: density curves online meeting	<u>Slides 17-21</u> , <u>KA density scores video</u> , <u>KA properties of density curves video</u>	<u>relative scores ws</u> <u>answer key</u>
Thursday: density curve problems	<u>Slide 27</u> , <u>KA density scores problems video</u> ,	<u>practice problems</u> , <u>density curves</u>
Friday: empirical rule <u>Online meeting</u>	<u>Slide 28-32</u> , <u>qualitative properties of the normal distribution video</u> , <u>The empirical rule video</u>	<u>empirical rule problems</u> , <u>answers</u>

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](#)