**AP Statistics**

**Chapter 2 Assignments (Subject to Change)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Day** | **Topics** | **Learning Objectives** Students will be able to… | **Assignment** |
| **1**  9/17 | 2.1 Measuring Position: Percentiles; Cumulative Relative Frequency Graphs; Measuring Position: *z*-scores | * Find and interpret the percentile of an individual value within a distribution of data. * Estimate percentiles and individual values using a cumulative relative frequency graph. * Find and interpret the standardized score (*z*-score) of an individual value within a distribution of data. | 1, 5, 9, 11, 13, 15 |
| **2**  9/18 | 2.1 Transforming Data | * Describe the effect of adding, subtracting, multiplying by, or dividing by a constant on the shape, center, and spread of a distribution of data. | 19-31 odd, 40 |
| **3**  9/19 | 2.2 Density Curves, The 68–95–99.7 Rule | * Estimate the relative locations of the median and mean on a density curve. * Use the 68–95–99.7 rule to estimate areas (proportions of values) in a Normal distribution. | 33-38, 41,43,45 |
| **4**  9/20 | 2.2 The Standard Normal Distribution; Normal Distribution Calculations | * Use Table A or technology to find (i) the proportion of *z*-values in a specified interval, or (ii) a *z*-score from a percentile in the standard Normal distribution. | 47-53 odd, 56, 58, 59 |
| **5-6**  9/23-9/24 | 2.2 Normal Distribution Calculations; Assessing Normality | * Use Table A or technology to find (i) the proportion of values in a specified interval, or (ii) the value that corresponds to a given percentile in any Normal distribution. * Determine if a distribution of data is approximately Normal from graphical and numerical evidence. | 54-62, 63, 65, 66, 67, 69–74 |
| **7**  9/25 | Chapter 2 Review/FRAPPY! |  | Chapter 2 Review Exercises |
| **8**  9/26 | Chapter 2 Review |  | Chapter 2 Practice Test |
| **9**  9/27 | Chapter 2 Test |  |  |