**AP Statistics**

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

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| **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 |  |  |