**Instructions:** Use the file ‘ByHand.csv’ to answer the following questions.

**Variable Codebook:**

* *Total\_score* : Score (number correct) for a 10-item Science Test
* *Age* : Age of students
* *Height* : Height of students (in inches).
* *Time\_SocialMedia* : Time Spent on Social Media (in minutes) per week.

1. Find the mean of the *Age* variable.
2. Find the mode of the *Total\_score* variable.

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1. Find the median of the *Time\_SocialMedia* variable.

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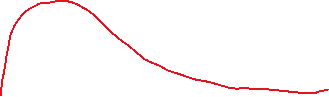
1. Find the range of the *Height* variable.
2. Calculate the variance for the *Age* variable. Interpret the variance in words. (Note: Use the sample formula).

The typical squared deviation about the mean is equal to 9.314 points.

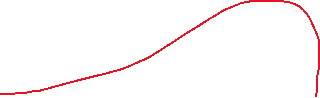
1. Calculate the standard deviation for the *Height* variable. Interpret the standard deviation in words. (Note: Use the sample formula).

Scores typically deviate about the mean by 6.899 points.

1. Draw an example of a positively (right) skewed distribution.



1. Draw an example of a negatively (left) skewed distribution.



1. Draw an example of a platykurtic distribution.



1. Draw an example of a leptokurtic distribution.

