Learning to Learn Mathematics Reflecting on and appreciating your learning

1. When looking a new formula, such as standard deviation, what have you learned about analyzing a formula to interpret and anticipate the implications of using the formula?

2. How do you find the area/issue/datapoint that has the greatest potential to affect a system, population, or calculation (consider the impact an extreme outlier can have on the variance of a data set)?

3. Why is the standard deviation the preferred measure in most conversations about the spread of data?