



HENDRIX

C O L L E G E

Data Challenge 1

Mathematical Models

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Initial Strategies

The naive strategy of averaging all points on the plane does not work because we will not get an accurate account of all temperatures. Instead, we must employ a more sophisticated model that will account for regions that do not have any sampled points, and for those that have an over sampling of points. In this case, I think that it would be best for us to take a weighted average approach: for regions that are over sampled (thereby skewing the average), we apply a normalization factor that improves adds more weight to the other terms in the data set.