Summary for analyzing data for journal paper:

So, we have:

8 different metrics

7 different approximates including null

7 different details

6 different transforms

These all have an integer value which stands for a specific state and there is a value that the specific (metric, approximate, detail, and transform) got.

This code should allow us to compare all the different states. This means changing just one value and analyzing the change in the value.

There are many different ways to do this so I am picking one.

Ex: we take a constant transform, detail, and approximate value and change metric from and compare all value against each other. So we would take metric 1 and compare it to metrics 2-8. By compare I simply mean subtract transform 2-8’s value from metric 1 and note the difference in values.

* This would unfortunately give us as many rows of resulting data as what we started with.
* Therefor to consolidate the data farther we would take all 7 comparisons we made with metric 1 and average them.
* This will allow us to see which specific metrics are better for that specific state when compared to the others.
* This process can then be repeated changing one value at a time from the approximate, details, or transform to find the best metrics for each specific state.
* Repeat but instead of comparing metrics with constant other states we instead use approximates to find the best approximate.
* Repeat with details and transforms.
* Figure out what to do with data.
* Might want to simplify data more

Pseudo code:

//Read in data,

int transform = 1, detail = 1, approximate = 0, metric = 1;

double value;

//make a 4 parameter array to look up values

value[transform, detail, approximate, metric]