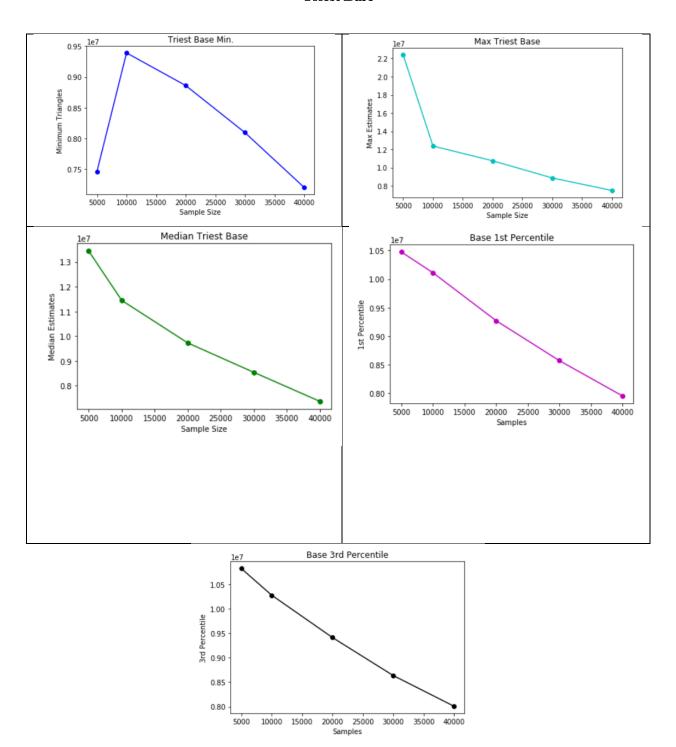
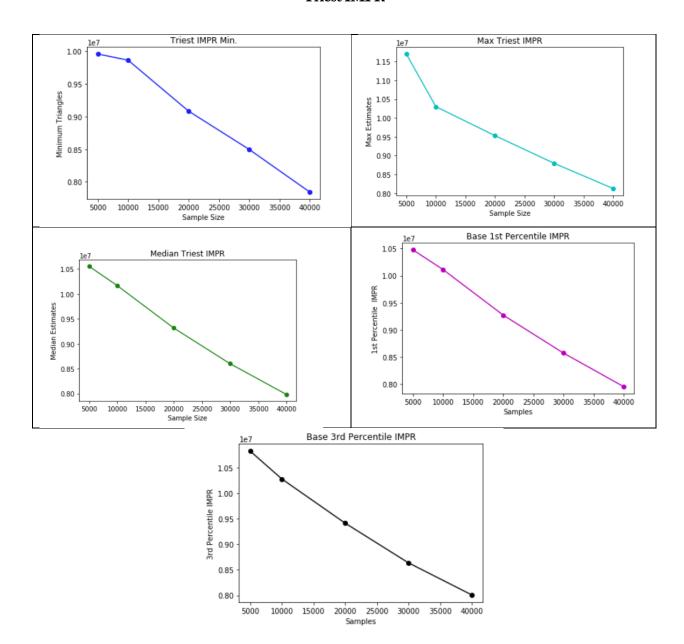
Daniel Betancur-Echeverri

Run on Matteo's original graph.

Triest Base



Triest IMPR



Analysis

In every graph, we see that as we increase M, the estimation gets lower and lower, with the notable exception in the min graph, where the first few estimates shoot up, but then quickly correct themselves back down.

We can also see that the Triest-Impr graph shows less variance overall. Which makes sense considering how Matteo's paper explains it.

We see that for *both* algorithms, grabbing the max of each run has more variance than for the other operations, regardless of algorithm. With the 3^{rd} quartile being particularly smooth, and even more so for TriestImpr, again, due to the low variance.

Also, for both graphs, we see a relatively dramatic drop for triangle estimation on the graphs plotting max values of the runs over the sample size.