Very high-level design

In my bash script:
- Use the monte_carlo executable to generate data
- Use -n option to define how many points are made
- Use grep and or awk to remove unnecessary columns and rows
- Save results into data files for gnuplot
- Use here-document in script to create a gnuplot command file
- Run Gnuplot to graph the data sets

Different shell codes generate figure 2 and figure 3 since they require different data points.