Advice on Reports
CSE 326
Data Structures

Graphing

• For multiple graphs only plot lines in the same units.
  › Don’t plot L1 and L2 cache misses on the same graph.
• Always have a caption, or short paragraph describing what the graph is showing.

Equally Spaced Points

• Linear Scale. k points in the interval [a,b]. Choose $x = (b-a)/(k-1)$.
  › a, a+x, a+2x, ..., a+(k-1)x = b
  › a+(i+1)x - (a + ix) = x
• Log Scale. Choose $x = (b/a)^{1/(k-1)}$
  › a, ax, ax^2, ..., ax^{k-1} = b
  › log ax^{i+1} = log ax^i = log x

Methodology

• List the main points
  › Programming Language
  › Compiler, version number and options
  › Operating system, version number
  › Computer, with any details about speed, memory and cache sizes
  › Tools used, CacheGrind with version number and parameter settings
  › How many data points
  › How many samples per data point
  › How the “average” was taken

Methodology

• Mention any specific issues to the project. Explain why certain decisions were made.
• Do not do stream of consciousness description of your thinking. “Just the facts Ma’am.”