Presentation

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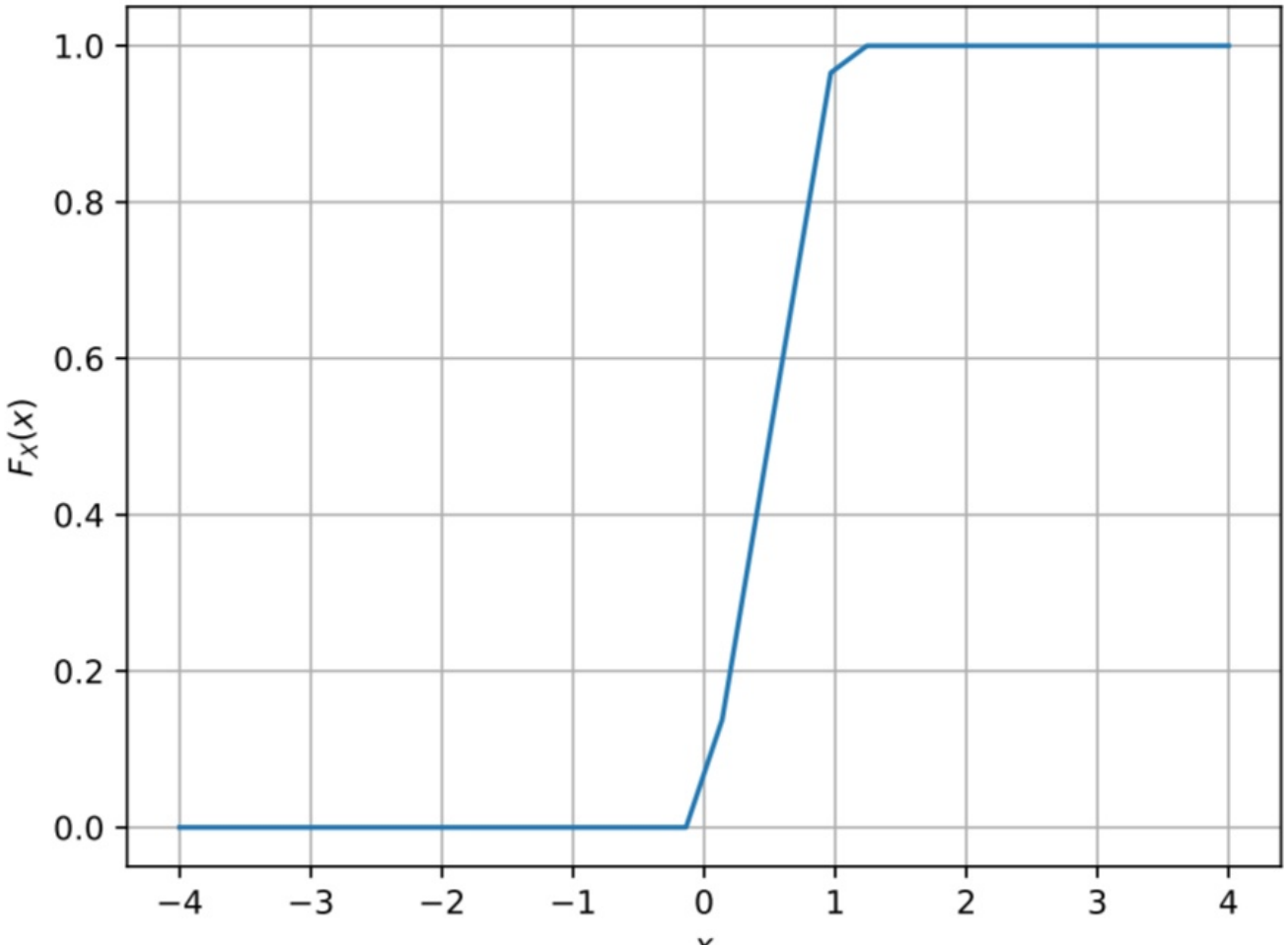
Question

Load the unit.dat file into python and plot the emperical CDF of U using the samples in unit.dat. The CDF is defined as

$$\mathbf{F_U} = \mathbf{Pr}(U \leq x) \tag{2.1}$$

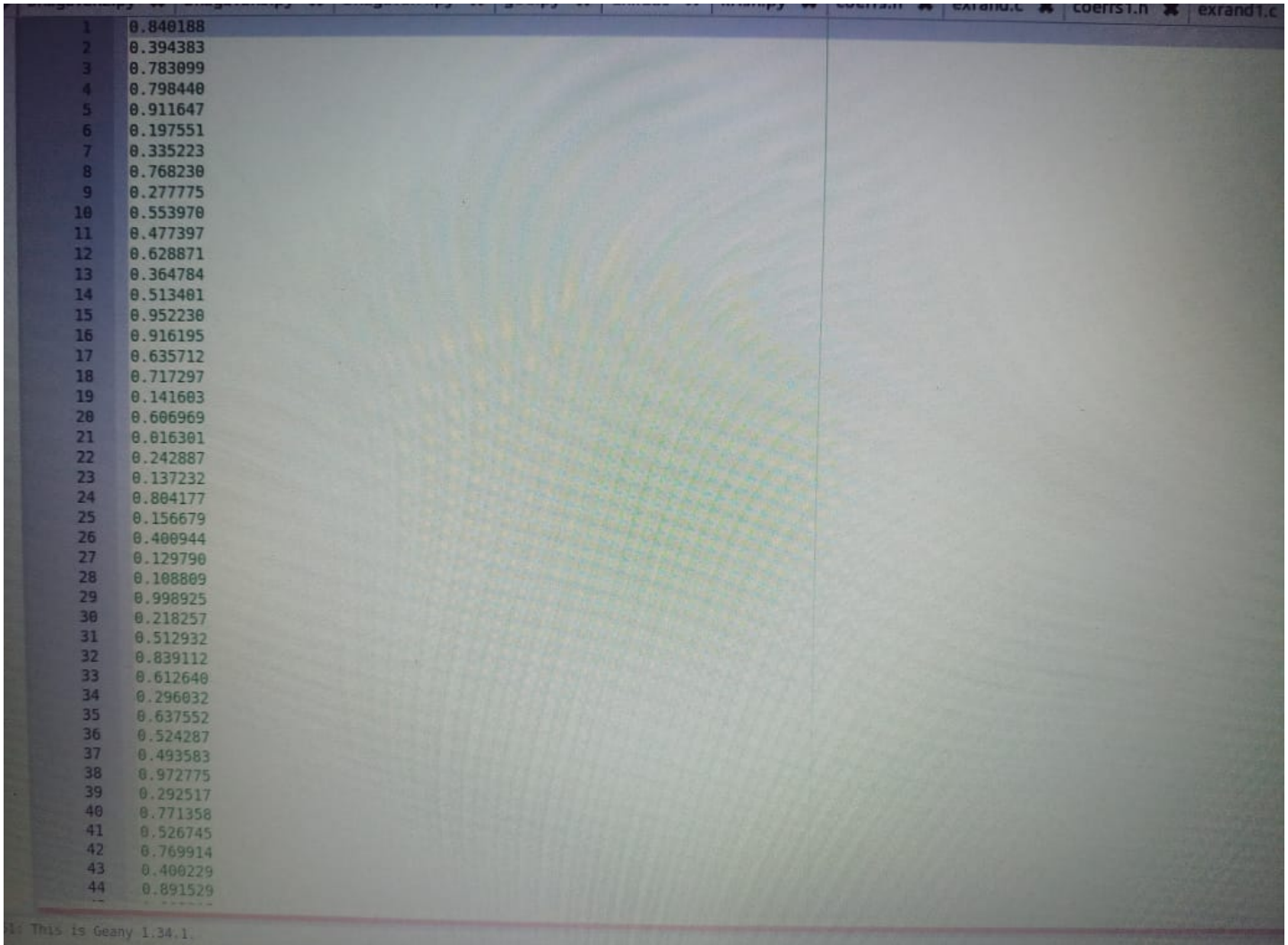
Graph

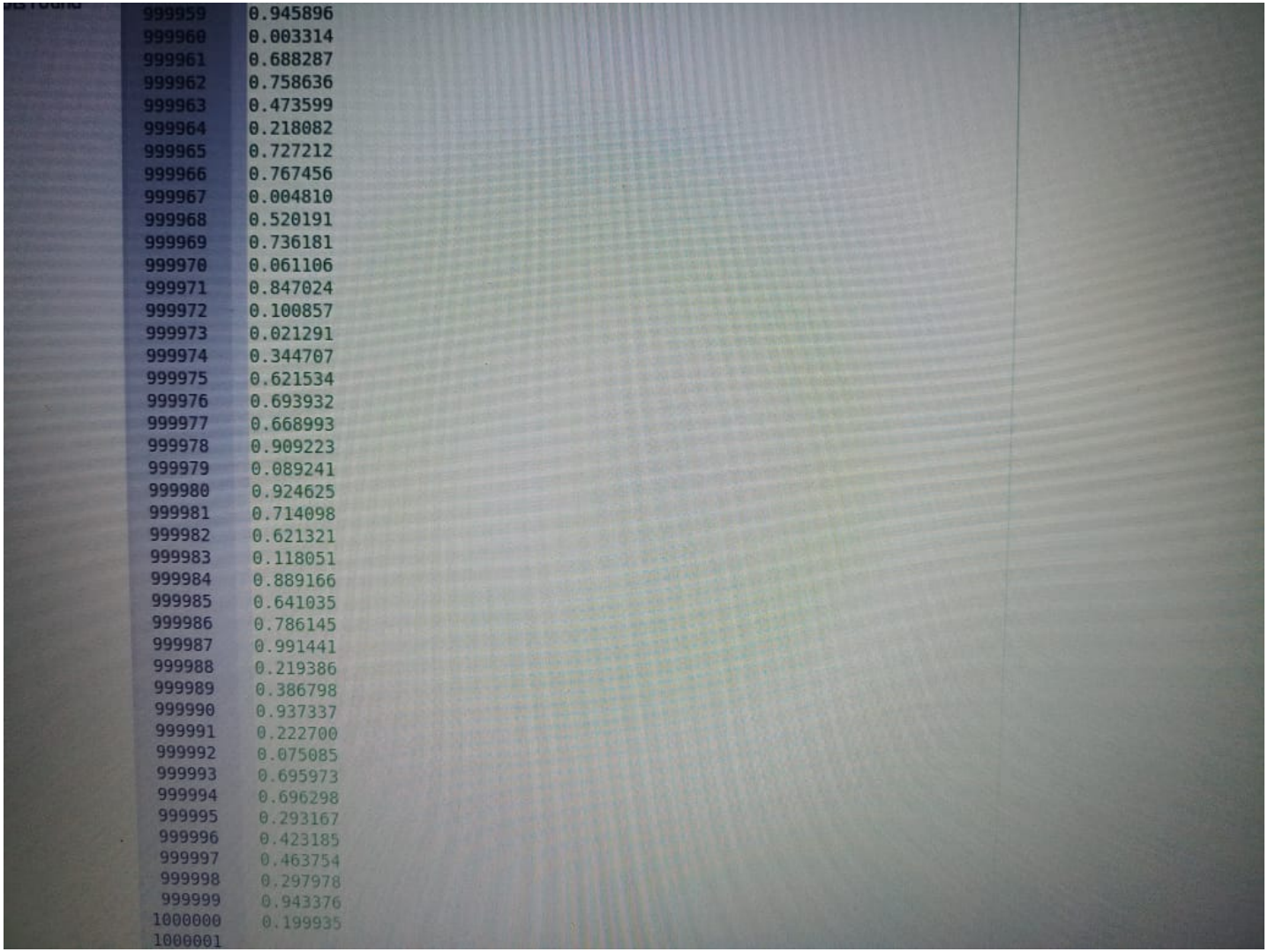


The above graph depicts Cumulative Distribution Function (CDF) of U using the samples in uni.dat.
The code for the above graph is in https://github.com/smaran43/smaran/blob/master/cdfplot.py

Samples

The samples in uni.dat are





The code is in
https://github.com/smaran43/smaran/blob/master/randomvalues.c