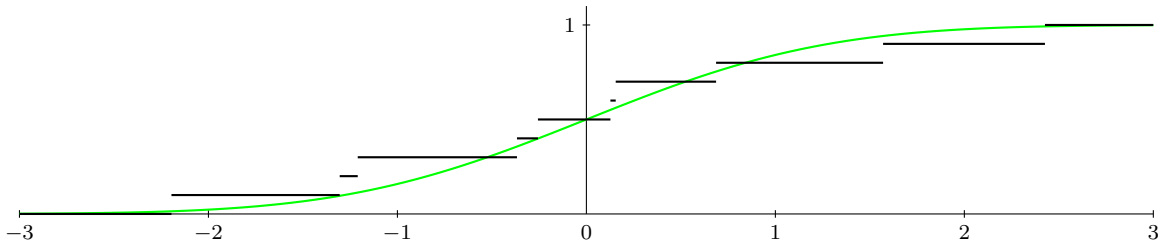


Combining L^AT_EX+TikZ with Matlab/GNU Octave/Scilab to produce nice plots of empirical cumulative distribution functions

This PDF file is produced from a L^AT_EX file with a TikZ picture which includes some data generated by a Matlab (GNU Octave, Scilab) program. The source codes (.tex and .m) are available on the pages

<http://esfm.egormaximenko.com/tex.html>
<http://esfm.egormaximenko.com/matlab.html>

The black lines form the graph of the empirical distribution function corresponding to a pseudorandom 10-point-sample from the Gaussian distribution. The green curve shows the theoretical distribution function.



On the next figure we see the plot of the empirical cumulative distribution function of a pseudorandom 15-point-sample from the discrete distribution with values in the set $\{0, 1/10, 2/10, \dots, 9/10\}$.

