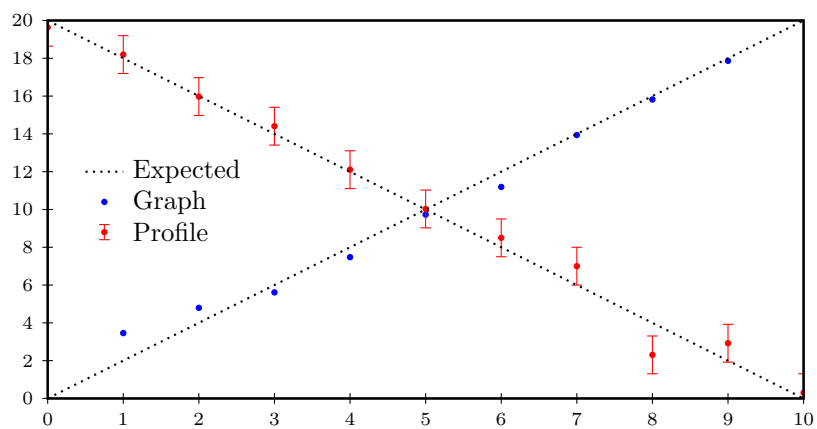# 1 Basic plots

Figure 1: Data points with and without errors
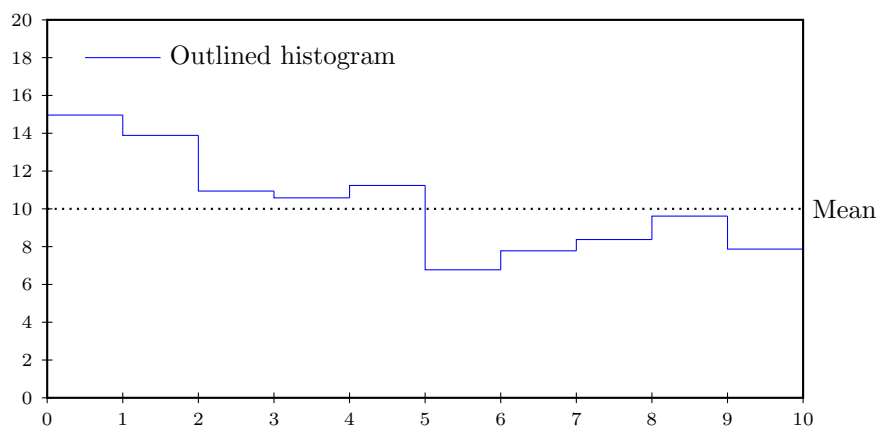

Figure 2: Basic histogram
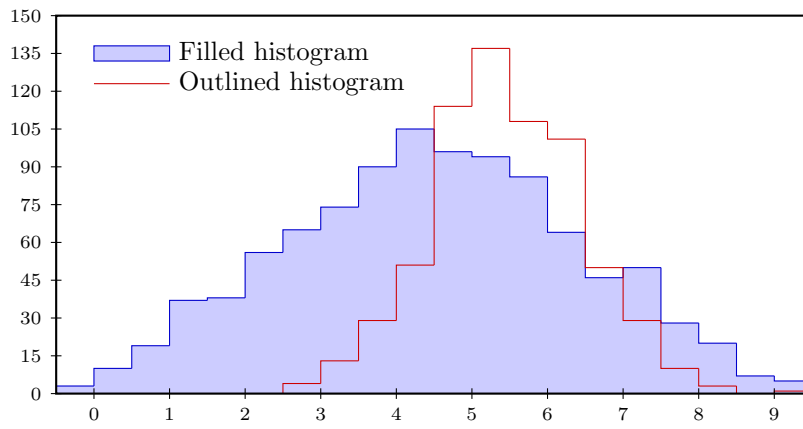
Figure 3: Two histograms in the same figure

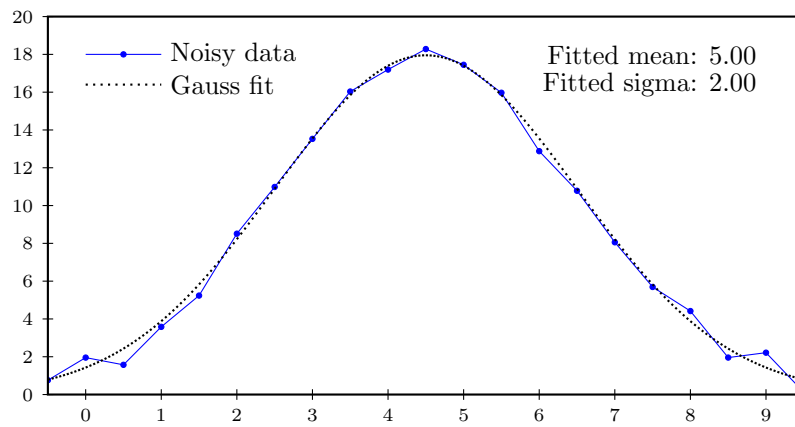## 2 Fitting with Levenberg marquart algorithm

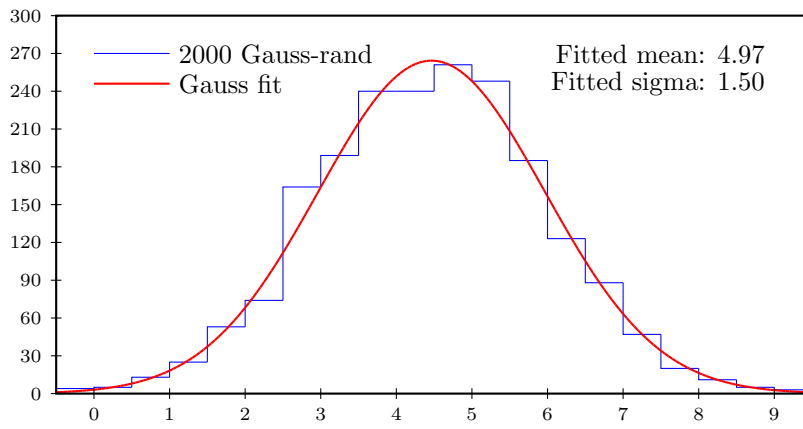Figure 4: The Gaussian function fitted to a set of noisy measurements

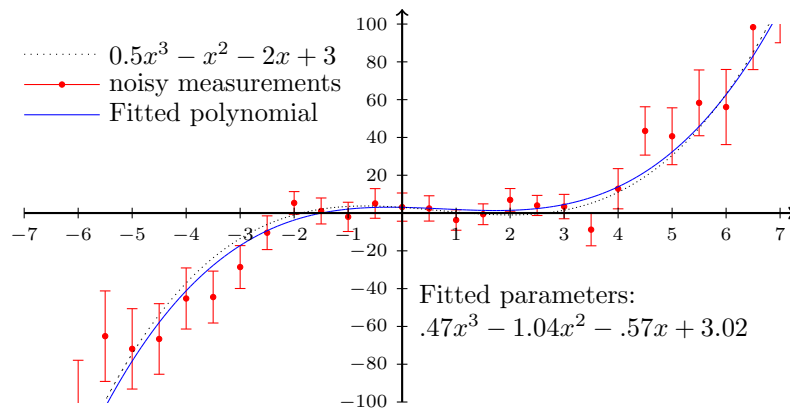Figure 5: The Gaussian function fitted to histogram made from 2000 gaussian random numbers

Figure 6: A polynomial fit to noisy data
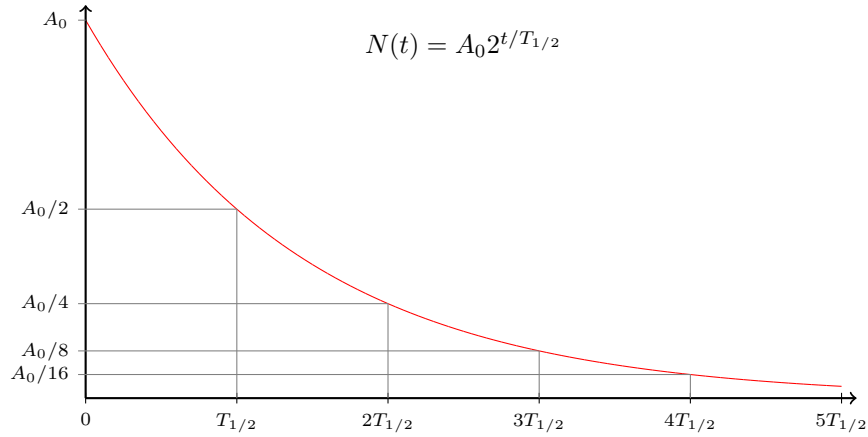
3 Radioactive decay

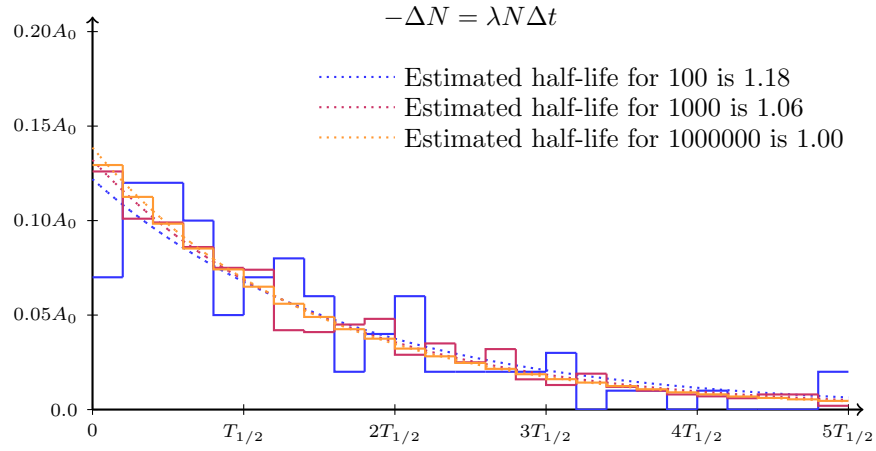

Figure 7: Graph of radioactive decay.

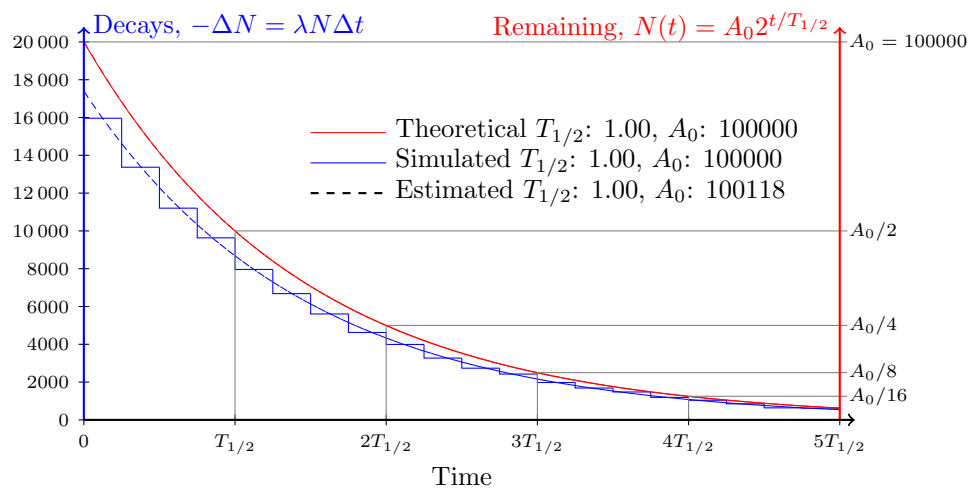Figure 8: Simulated number of decays per time. Estimated half-widths from LMA.

Figure 9: Attempt to show all data in one plot.