

# 1 Basic plots

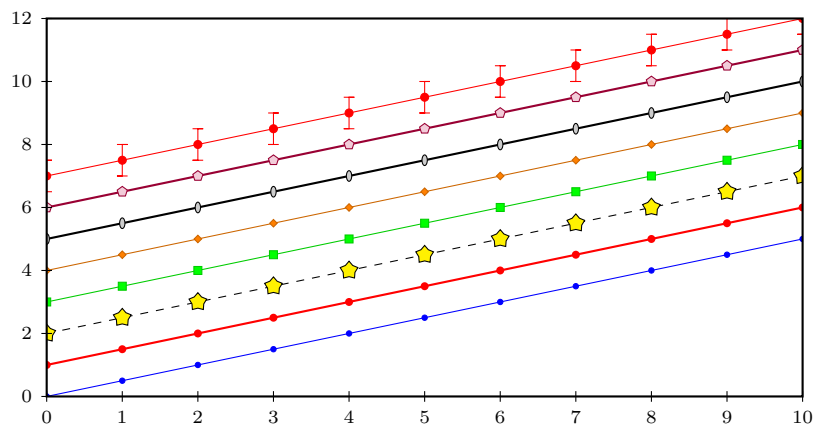


Figure 1: Different line marker styles

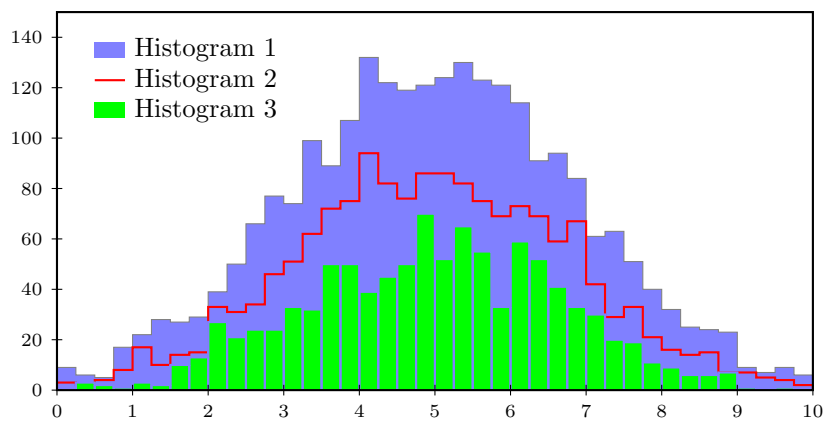


Figure 2: Three histograms in the same figure

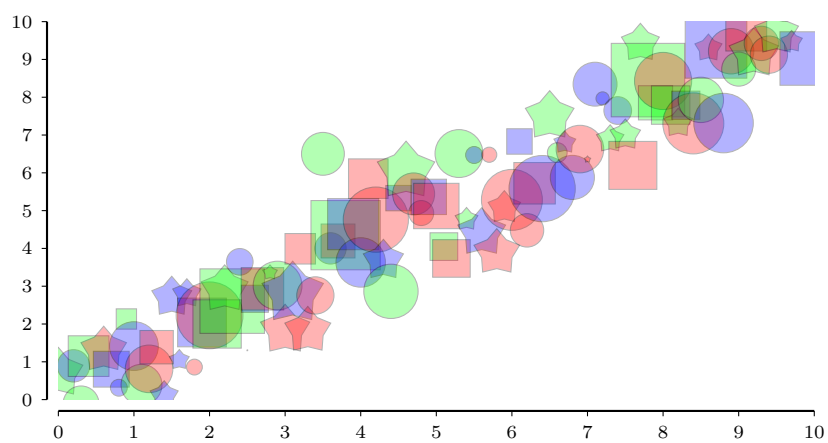


Figure 3: Nodes of different sizes.

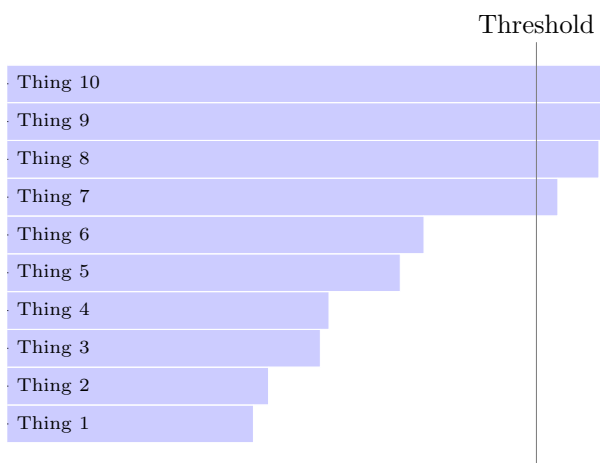


Figure 4: Another histogram

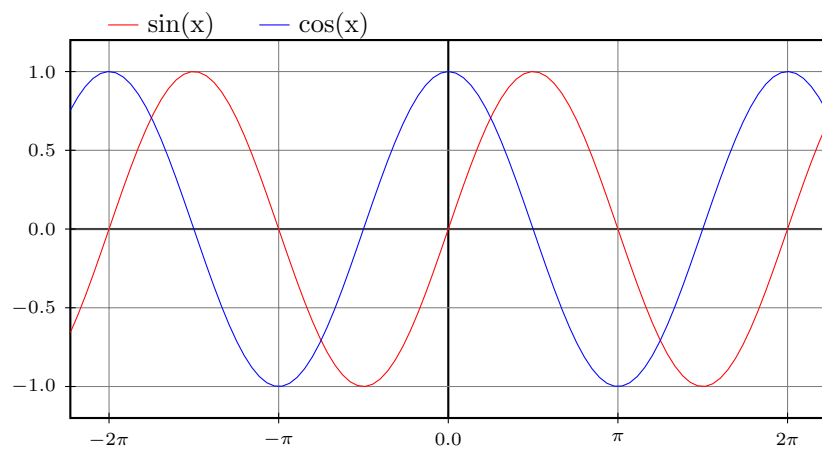


Figure 5: Plotting functions

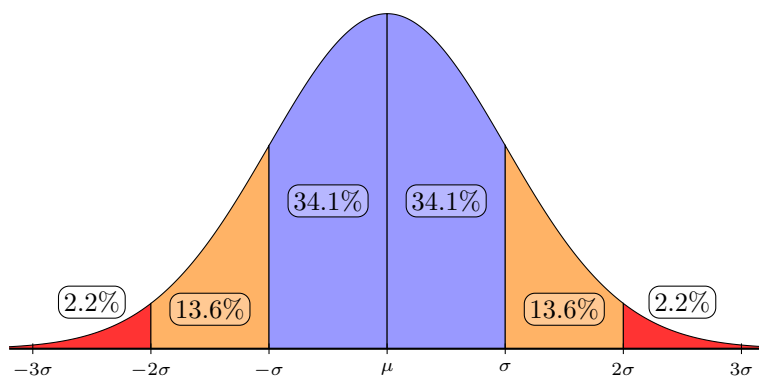


Figure 6: The Gaussian distribution

## 2 Fitting with Levenberg marquart algorithm and splines

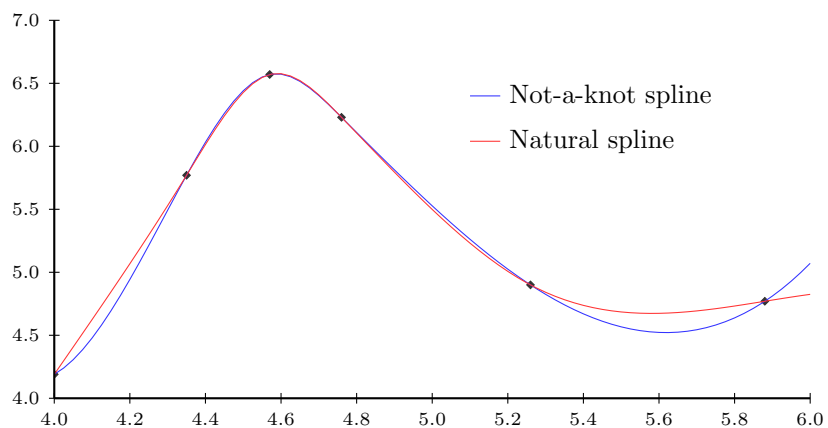


Figure 7: Comparison of splines with different end point conditions.

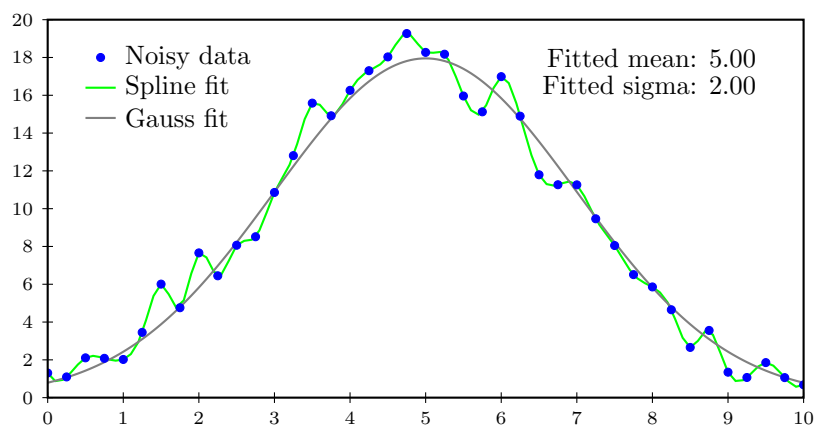


Figure 8: The Gaussian function fitted to a set of noisy measurements

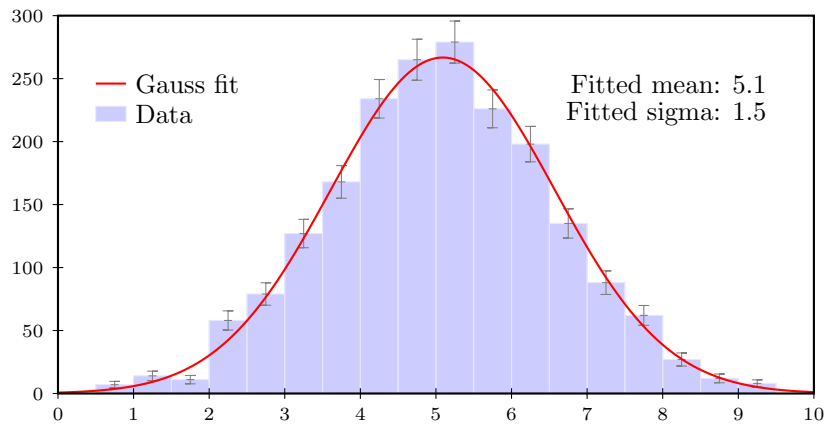


Figure 9: The Gaussian function fitted to histogram made from 2000 gaussian random numbers

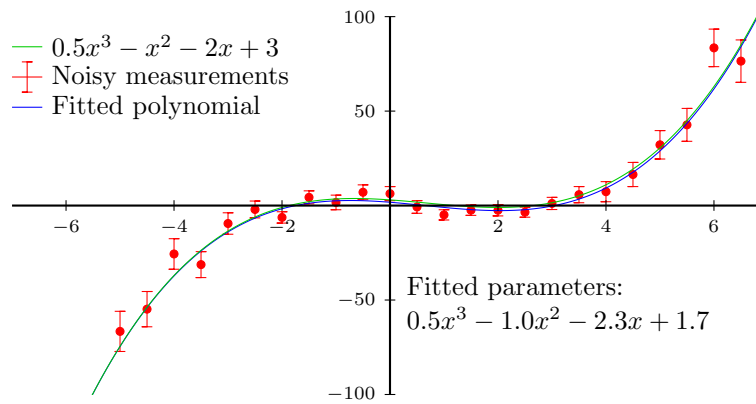


Figure 10: A polynomial fit to noisy data

### 3 Subfigures

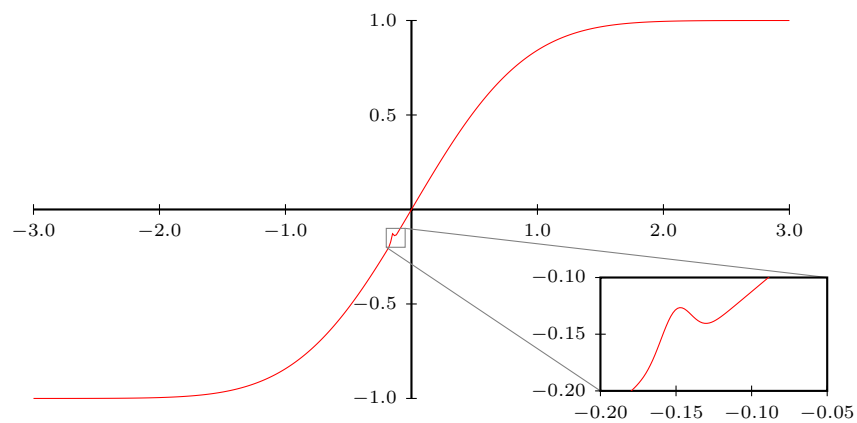


Figure 11: Zooming in on region.

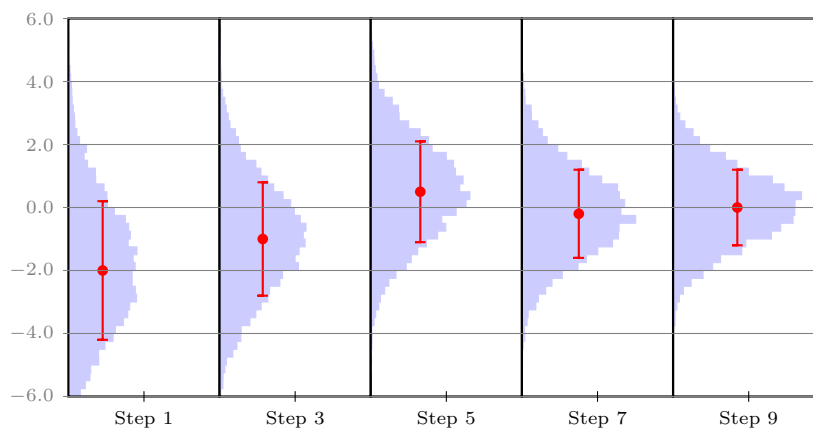


Figure 12: Histograms with mean and sigmas.

## 4 Different axes

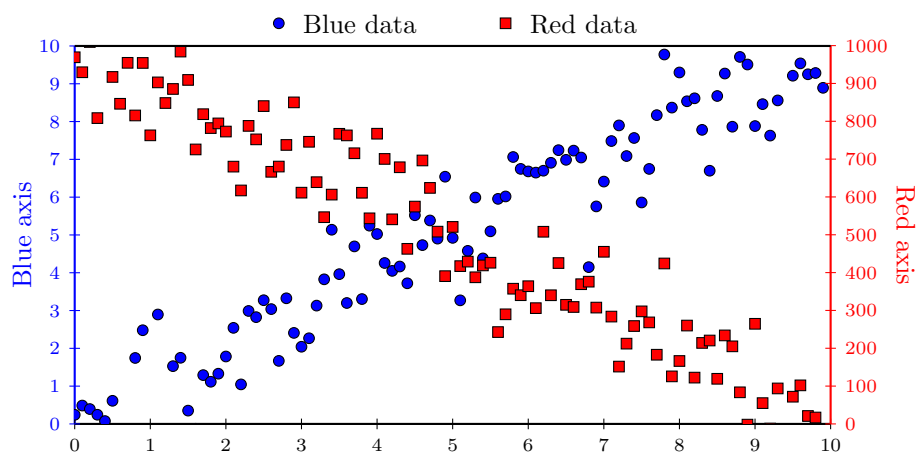


Figure 13: Two data sets with different transformations and axes in the same plot.

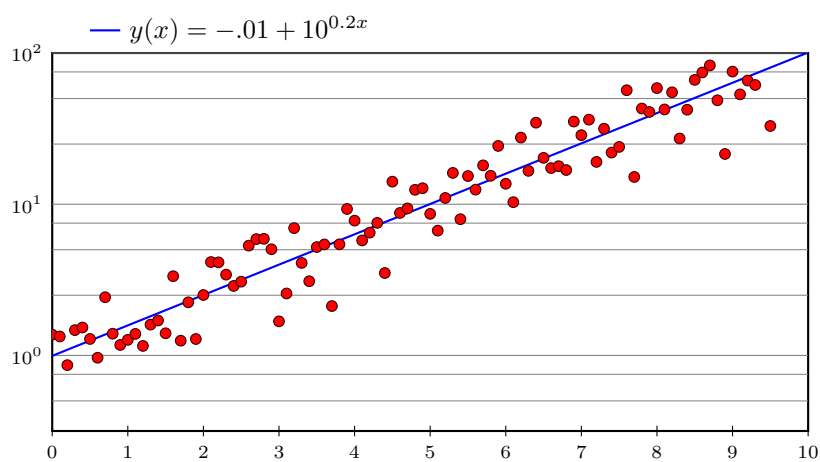


Figure 14: Log scale with sub ticks. The log scaling is done explicitly, not using tikz.

## 5 2D Histograms

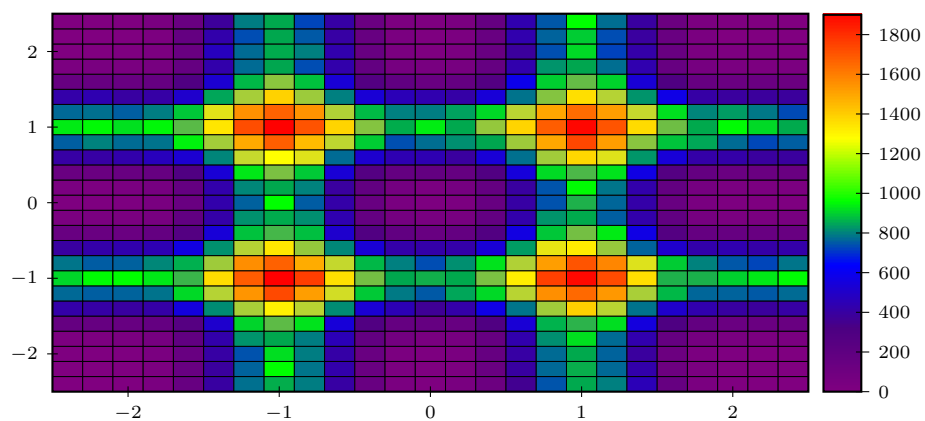


Figure 15: 2D histogram as filled rectangles.

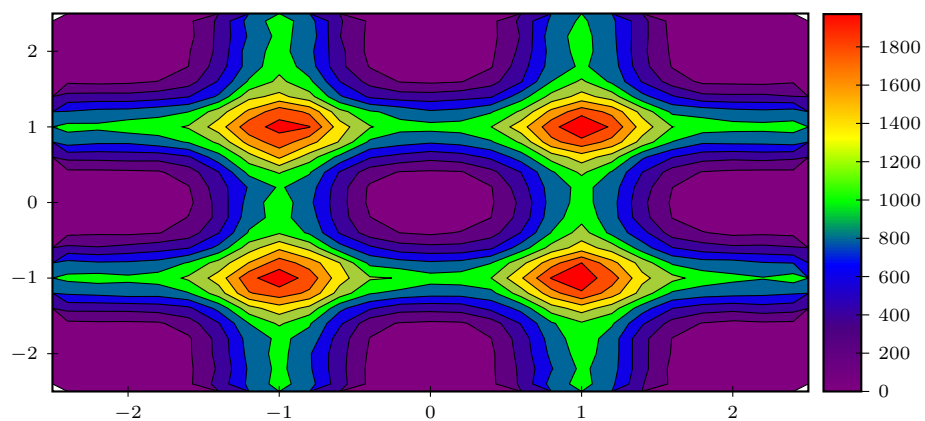


Figure 16: 2D histogram with filled contours.



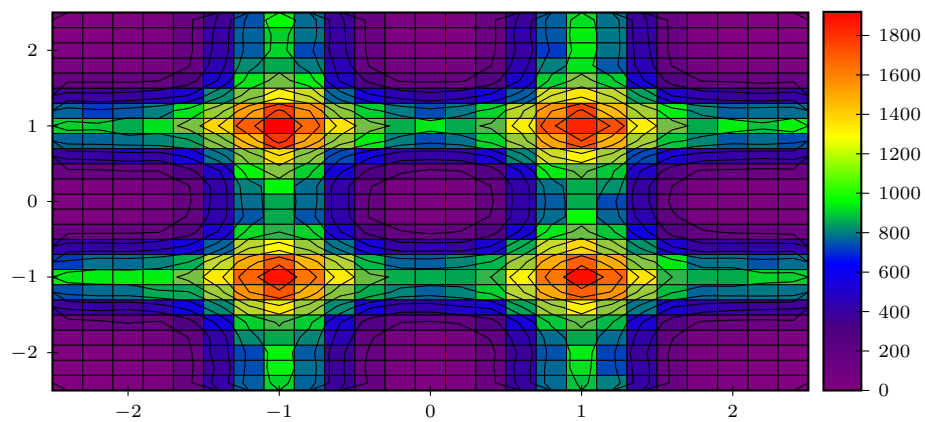


Figure 17: 2D histogram with filled rectangles and contour lines.

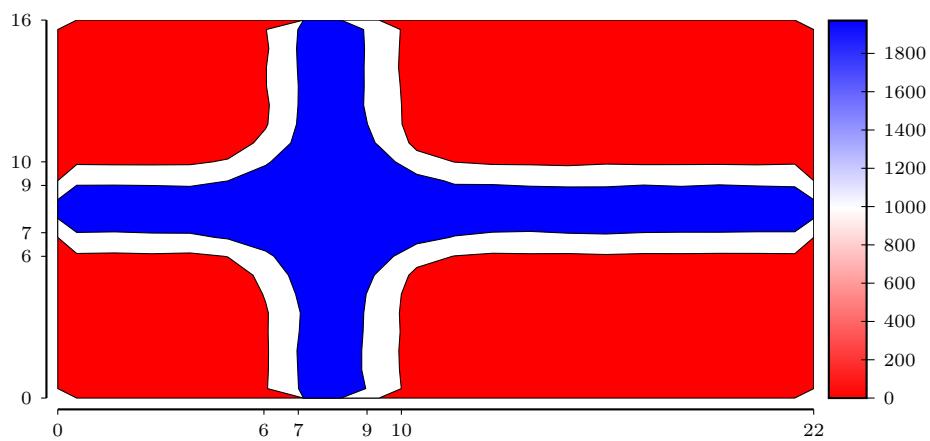


Figure 18: 2D histogram with filled contours, not using rainbow colors.