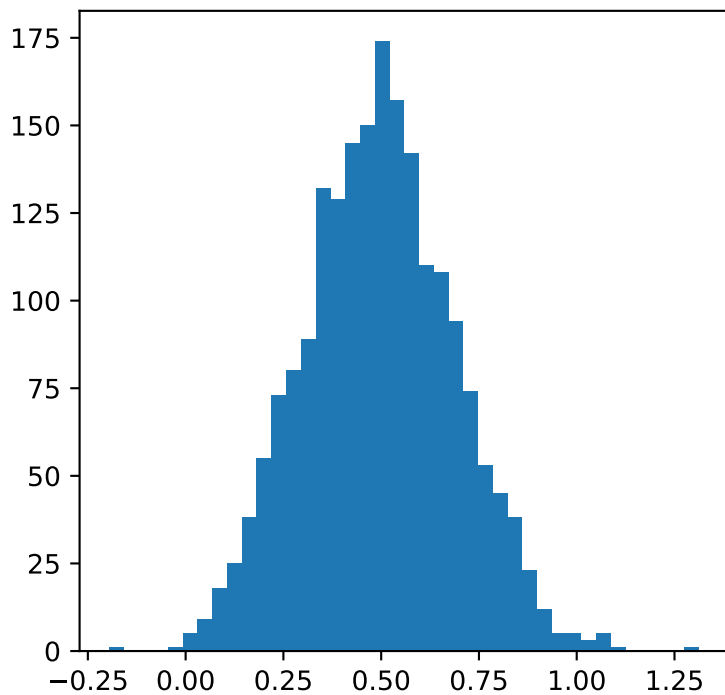
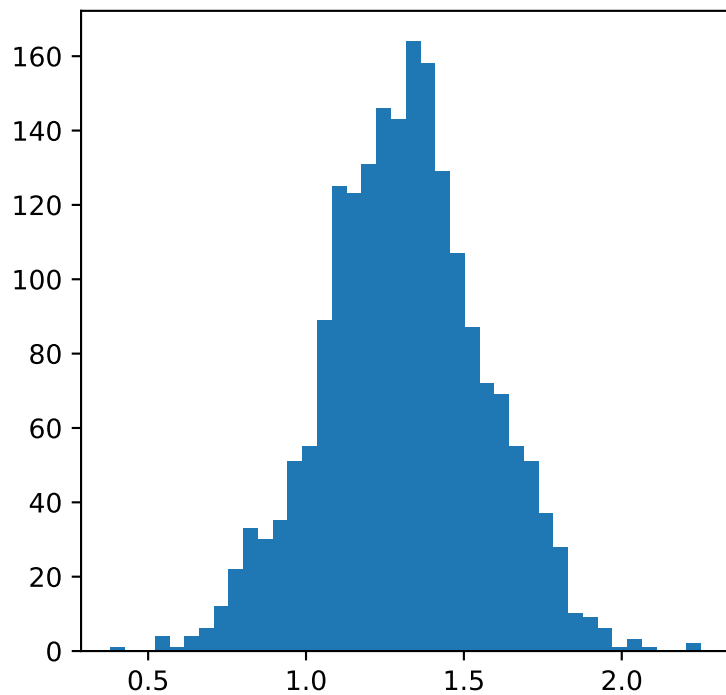


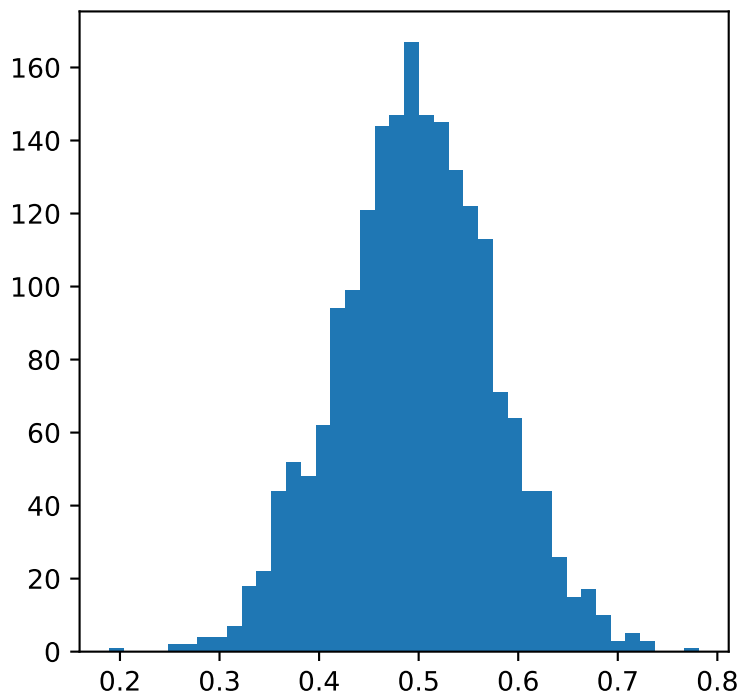
a distribution



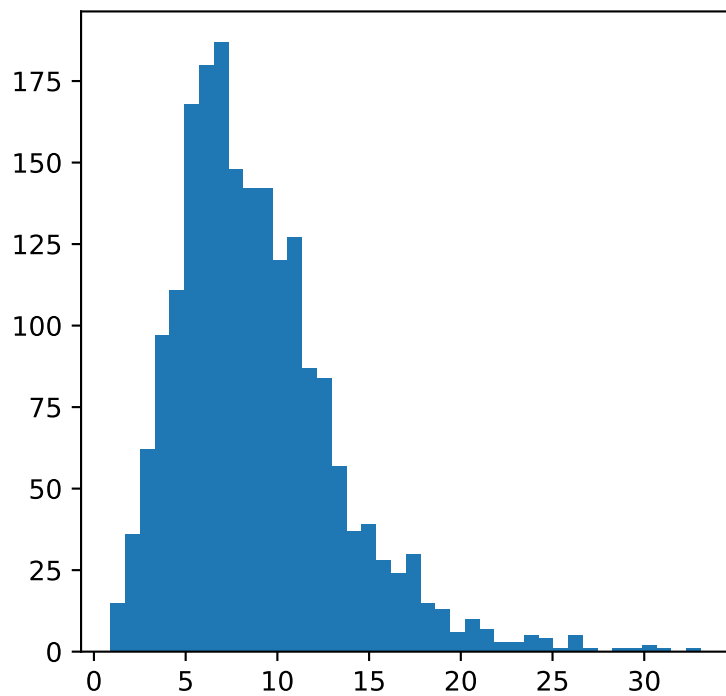
b distribution



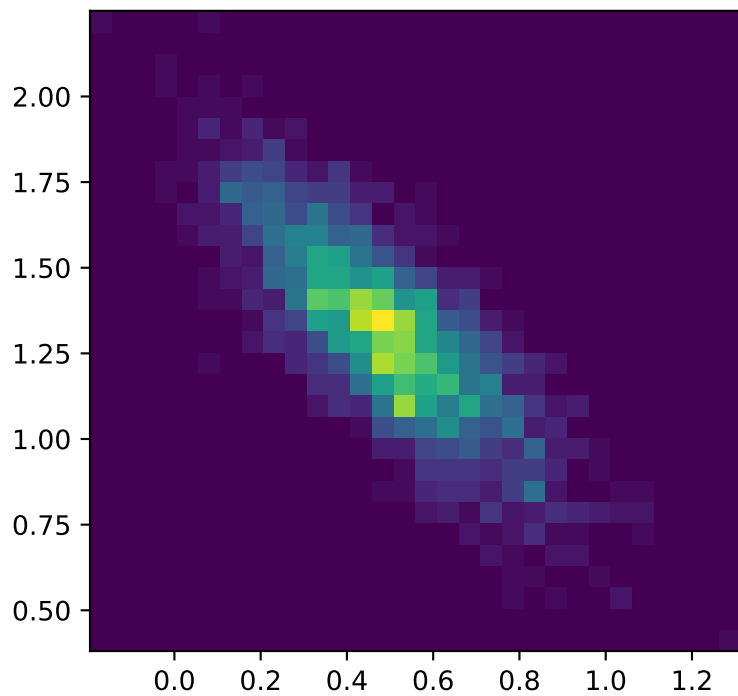
c distribution



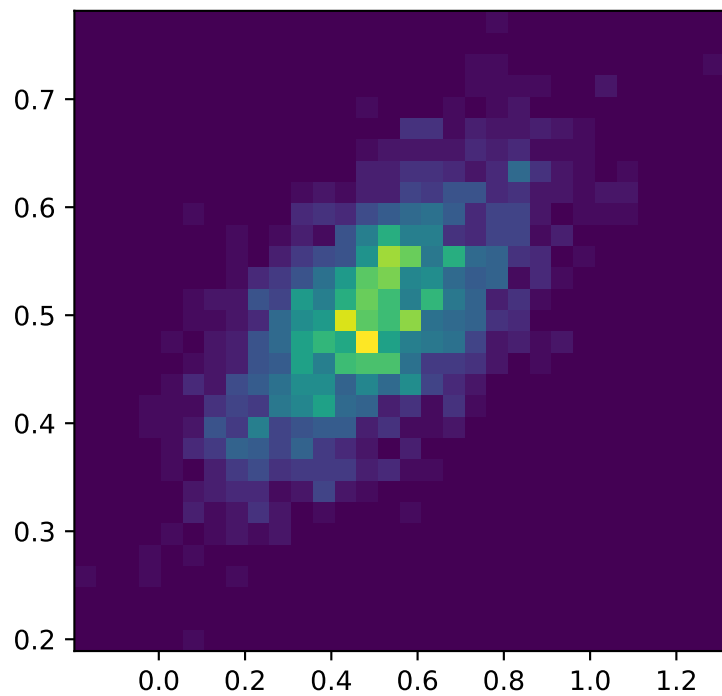
Chi2 distribution



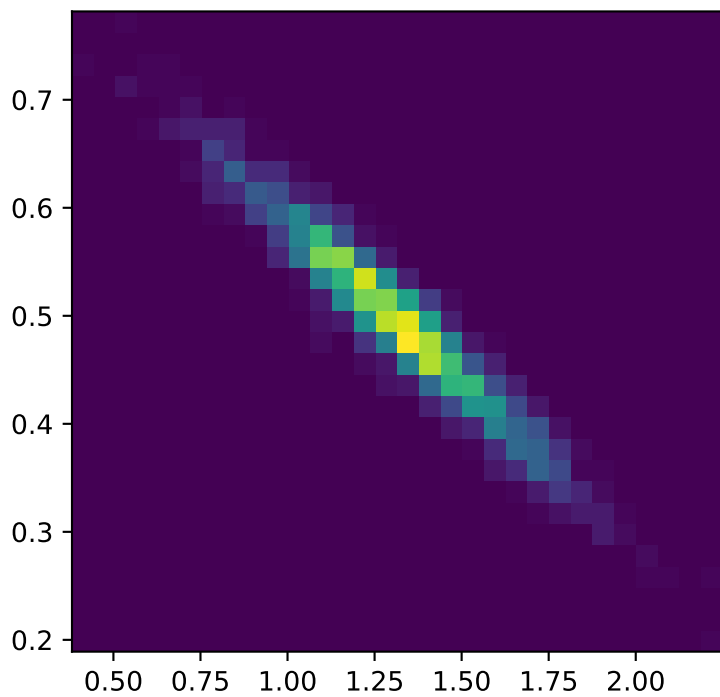
b vs a



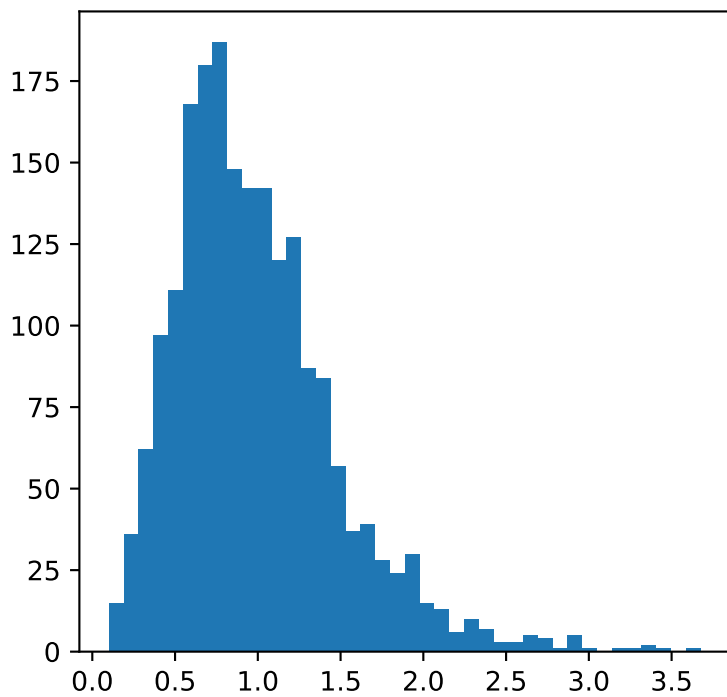
c vs a



c vs b



Reduced chi2



Comments:

- Mean $\chi^2 = 8.88$ (Expected ≈ 9)
- Std $\chi^2 = 4.41$ (Expected ≈ 4.24)
- Mean reduced $\chi^2 = 0.99$ (Expected ≈ 1)
- More data points \rightarrow narrower parameter spreads.
- Larger sigma \rightarrow wider spreads and worse χ^2 .