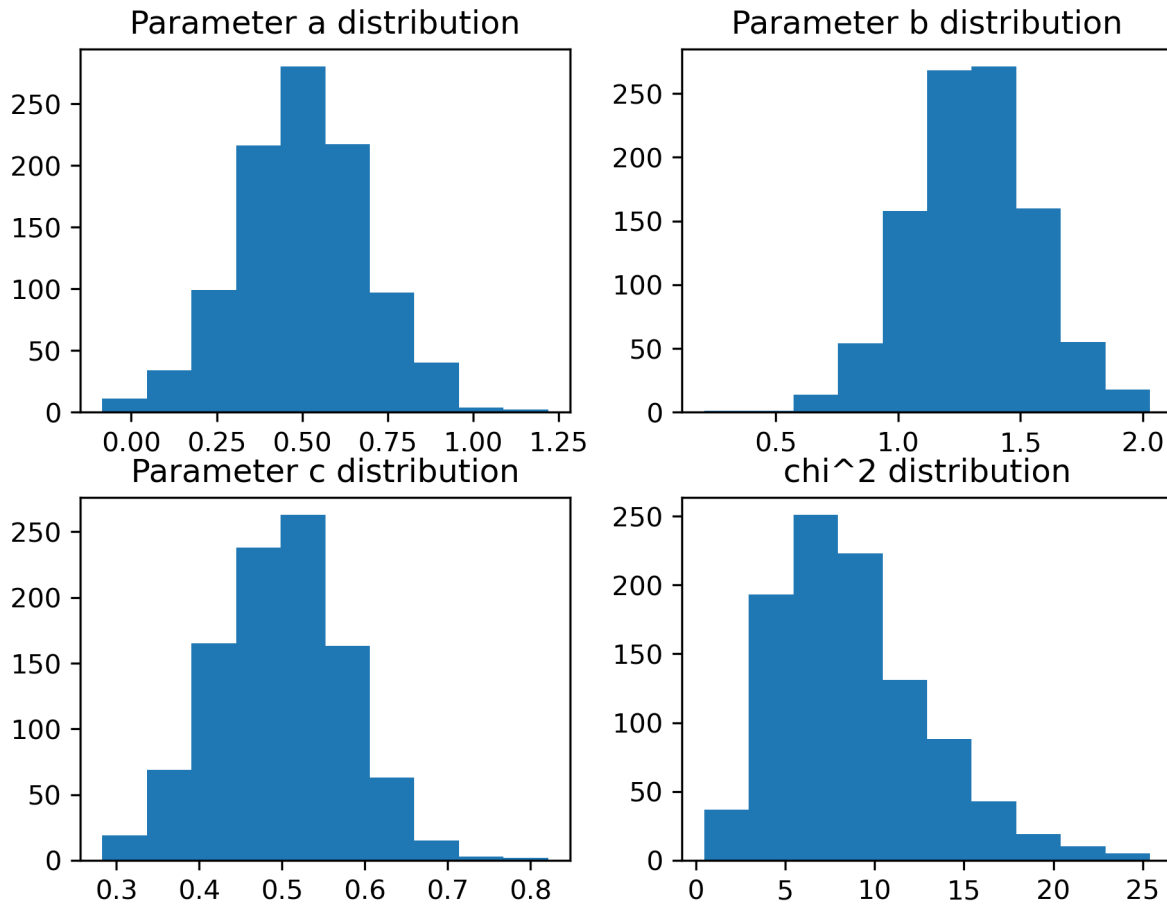


Fit Results for 12 points, 0.2 sigma



As the number of points increases, the average values of the parameters remain the same, but their distributions become tighter: the standard deviation decreases. Chi² also increases which is to be expected, and so does its standard deviation. As the size of the uncertainties increases, the average values of the parameters remain the same, but the standard deviation of the parameters gets bigger. The average value of chi² and its standard deviation also remain the same. The expected values for chi² and the standard deviation of chi² agree very closely with the experimental values. For example: experimental mean of chi²: 8.968 expected chi²: 9 experimental stdev: 4.369 expected stdev: 4.243

