```
True values: a=0.5, b=1.3, c=0.5

Fitted 'a': mean = 0.5051, std = 0.1937

Fitted 'b': mean = 1.2948, std = 0.2513

Fitted 'c': mean = 0.5016, std = 0.0777

Degrees of Freedom (ndf): 9

Chi^2:
- Mean: 8.9539
```

- Mean: 8.9539 - Std Dev: 4.2168

- Expected Mean (ndf): 9

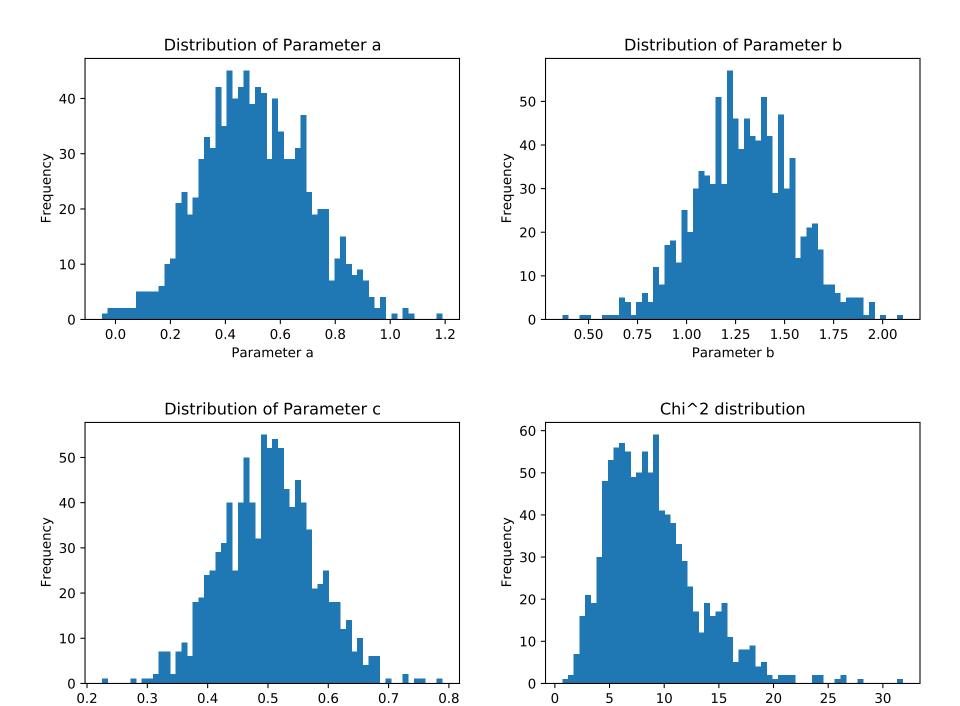
- Expected Std Dev (sqrt(2\*ndf)): 4.2426

## Reduced Chi^2:

- Mean: 0.9949 - Std Dev: 0.4685 - Expected Mean: 1.0

## Note:

I observed that increasing the number of points decreases the uncertainty of the parameters, while decreasing it increases the uncertainty.



Parameter c

Chi^2

