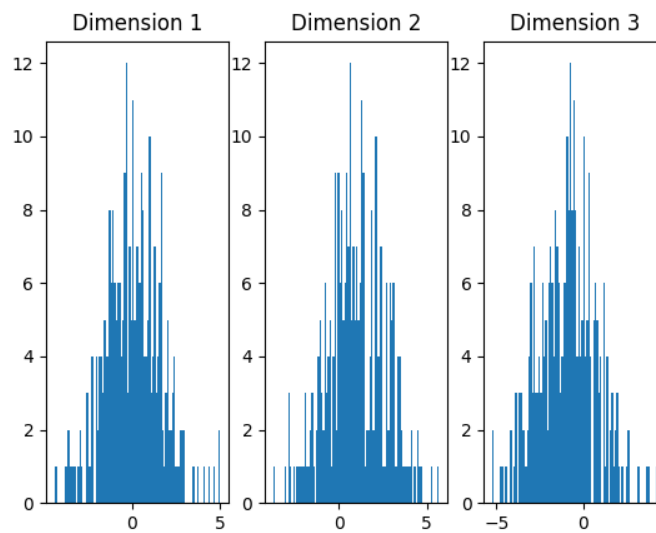
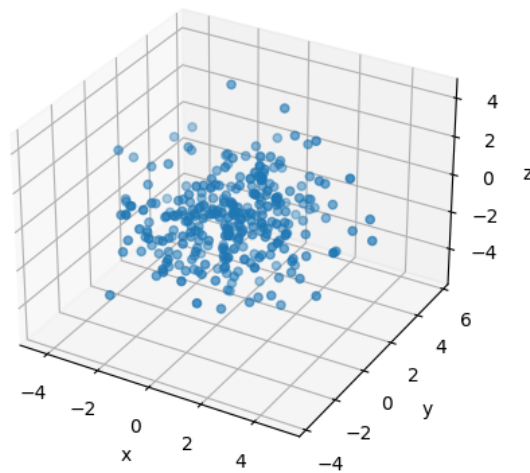


Sequential estimation and classification

Sequential estimation - 1.2



Do you expect the batch estimate to be exactly $(0, 1, -1)(0,1,-1)$?
There is no chance that the estimate will take those values, but we can assume convergence.

Which two parameters can be used to make this estimate more accurate?
We should take more samples so we can reduce the variance.

Classification - 2.2

The accuracy of each method is 0.9661016949152542, i.e. both accuracy's are the same.

The confusion matrixes are also the same:

$$\begin{bmatrix} 21 & 0 & 0 \\ 0 & 16 & 1 \\ 0 & 1 & 20 \end{bmatrix}$$

The only difference between the methods is the prior. So the prior must be uniform for the accuracy and the confusion matrix to be the same.