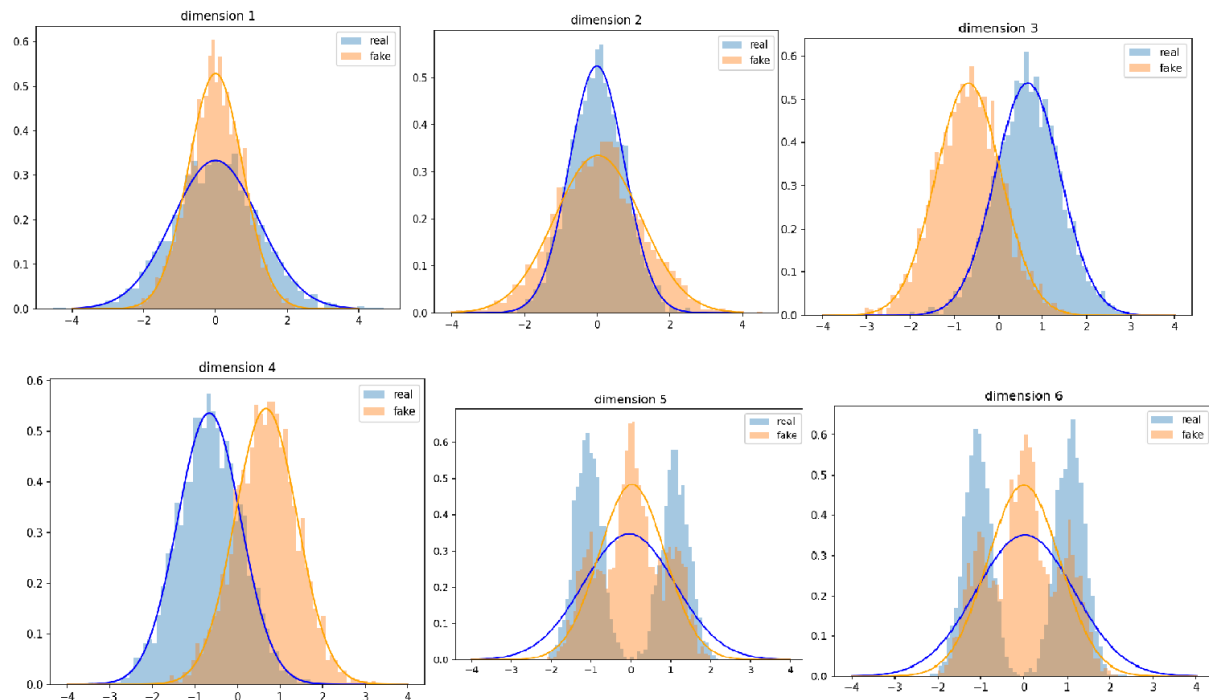# LAB04 REPORT

As we can see, the gaussian created using the ML method can represent very precisely the distribution of values for dimension 1,2,3 and 4, for both the true and the fake class. Dimensions 5 and 6 have different spikes at around the value 1,-1 and for both real and fake, while the fake class also has a spike at 0. In conclusion, the gaussian estimated by using the ML method does not provide a good representation for the distribution of the 5th and 6th dimensions, but a good estimate for all the others!
It is also interesting to notice how the mean for features 1-2 are similar, but difference variance, while for features 3-4 there is different means with similar variance