Swyft Plots
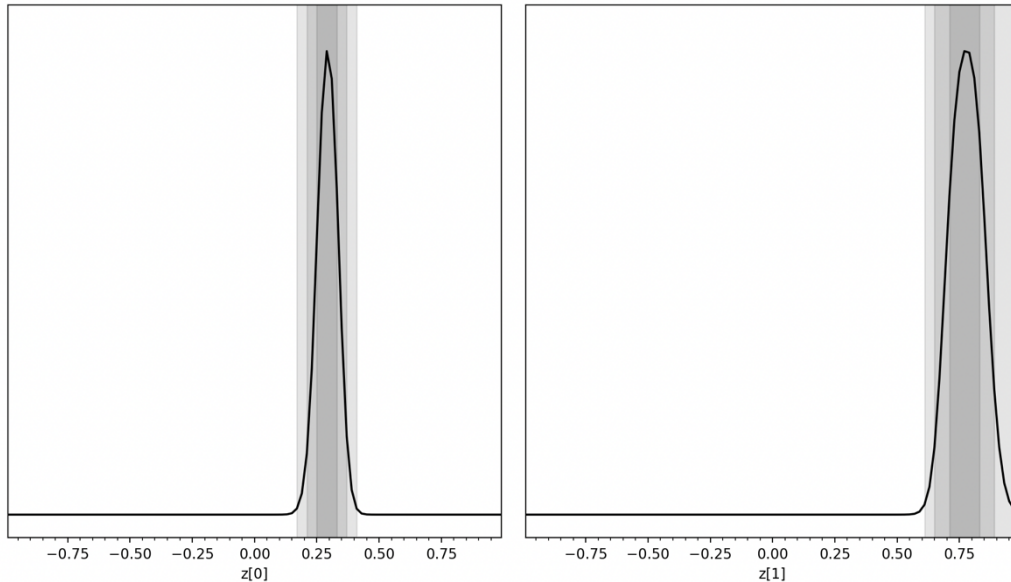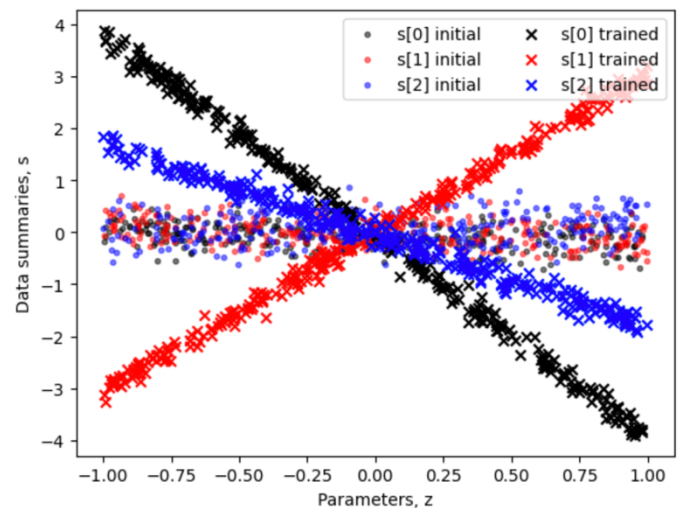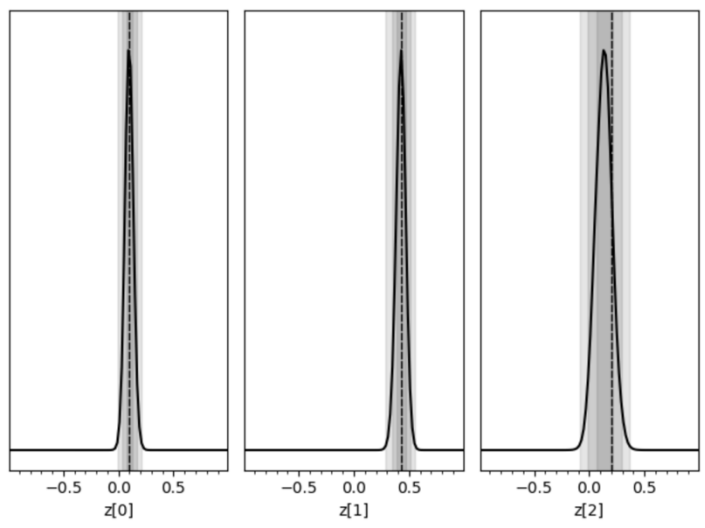
1. <u>Swyft Intro and Set Up</u>
- Learning how to import all Swyft libraries and set up Swyft modules – the simulator is a swyft.Simulator class and the networks are swyft.SwyftModule classes - the networks deal with the training of logratioestimators
- This is an example with some graph-style simulator and a prior given by a specific sample from the Simulator
- Can see that the posteriors are quite localised – not sure about the style of the posterior?

2. <u>Informative Data Summaries</u>
- Based on a linear regression problem – using a NN embedding net to learn informative data summaries, make training more efficient and accurate
- Got the following posteriors for the parameters, and then compared the untrained data summaries with the trained ones to see the correlation with parameters

3. <u>Multidimensional Posteriors</u>
- Like the first example in terms of set up of the network and the trainer/simulator, but now over multiple dimensions and we look at the corner plot of the marginals between the parameters

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