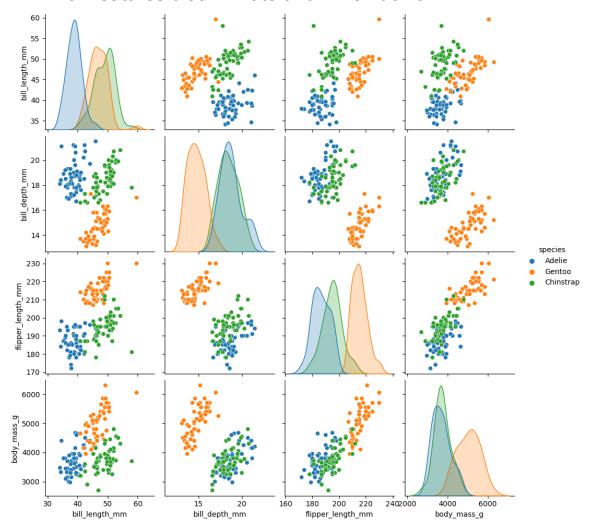
Task 1 - Perceptron Report

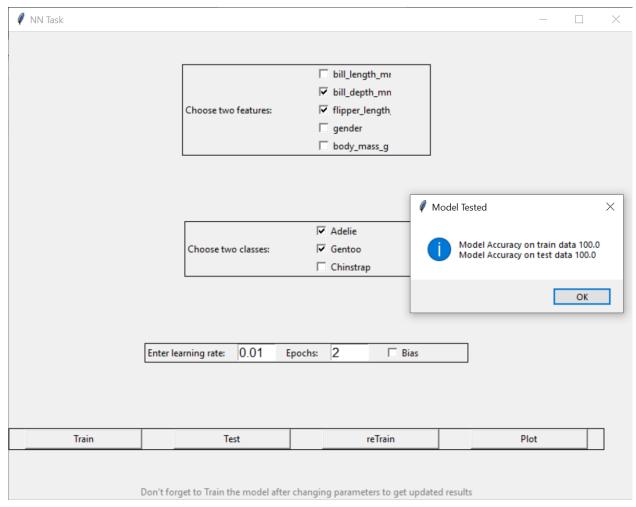
Team: SC_H7

Which features discriminate and which don't?



From the previous pair plot, we can see that the plots that are linearly separable are:

- For Chinstrap & Gentoo:
 - Bill depth vs. body mass
 - Bill depth vs. flipper length
- For Chinstrap & Adelie:
 - o Bill depth vs. Bill length
- For Adelie & Gentoo:
 - o Bill depth vs. body mass
 - o Flipper length vs. Body mass
 - o Flipper length vs. Bill depth
 - o Flipper Length vs. Bill length
 - Bill depth vs. Bill length



Best accuracy was obtained with Adelie & Gentoo Classes Using bill depth and flipper length features. We used a learning rate of 0.01, 2 epochs and no bias.

