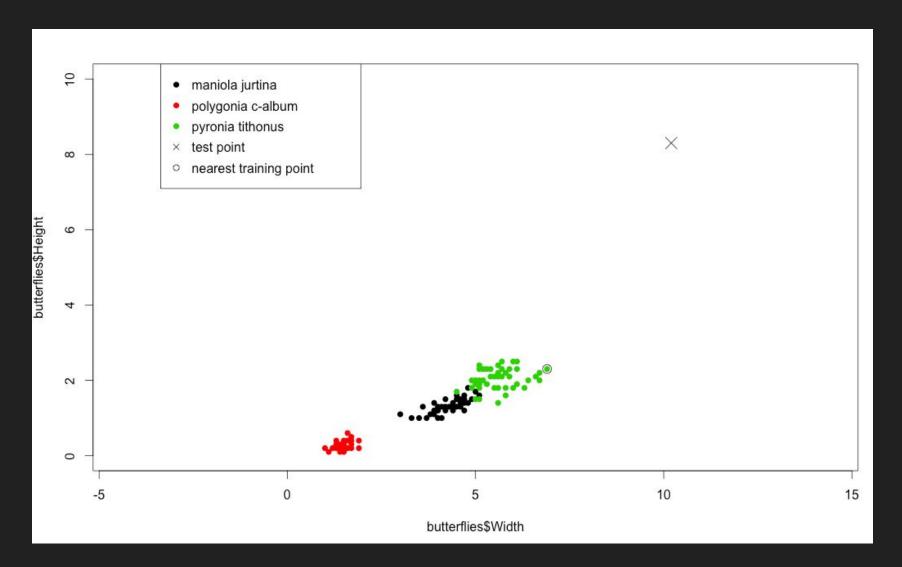
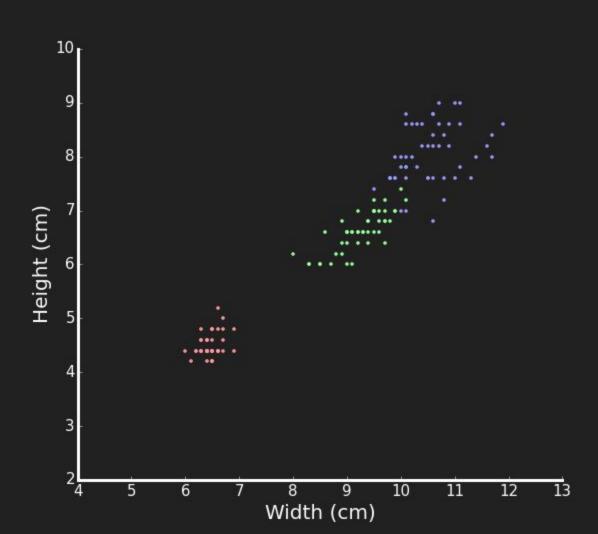
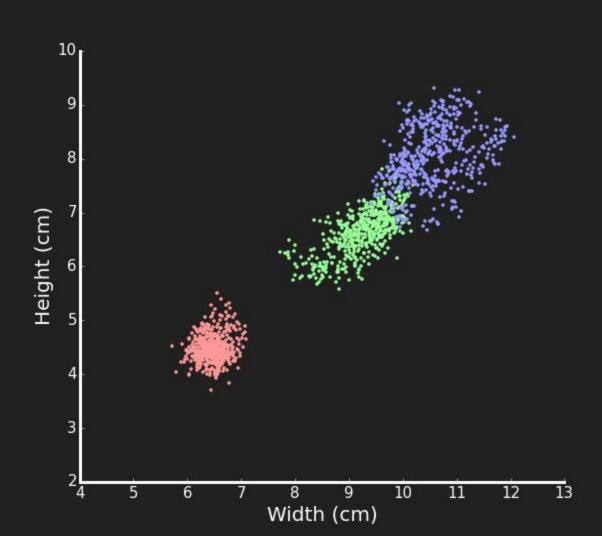
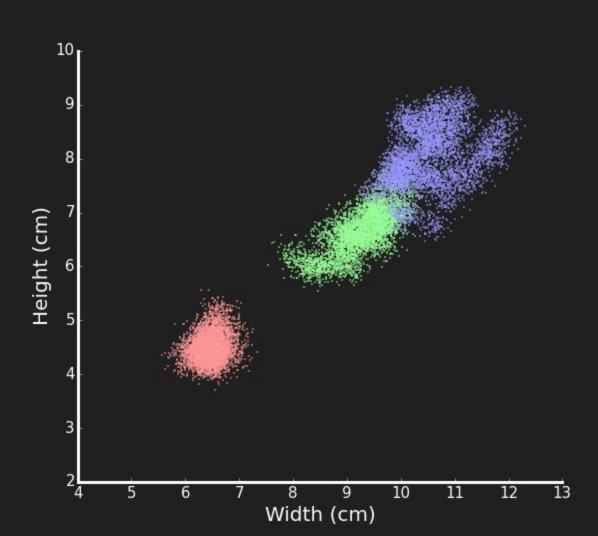
Evaluating models

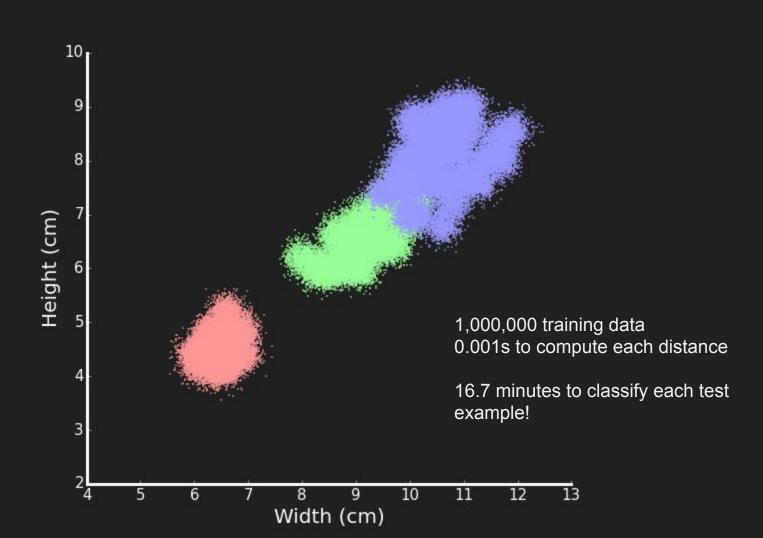
Problems with Nearest Neighbours #1: Overconfidence



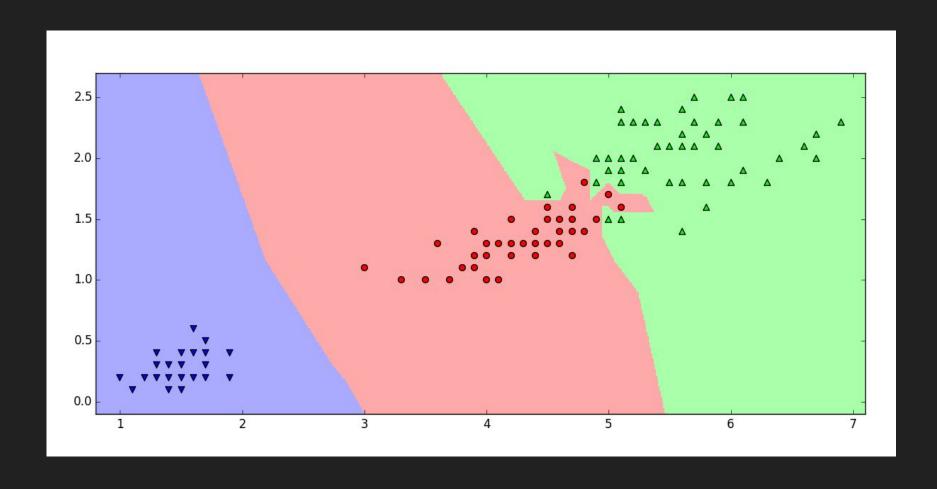




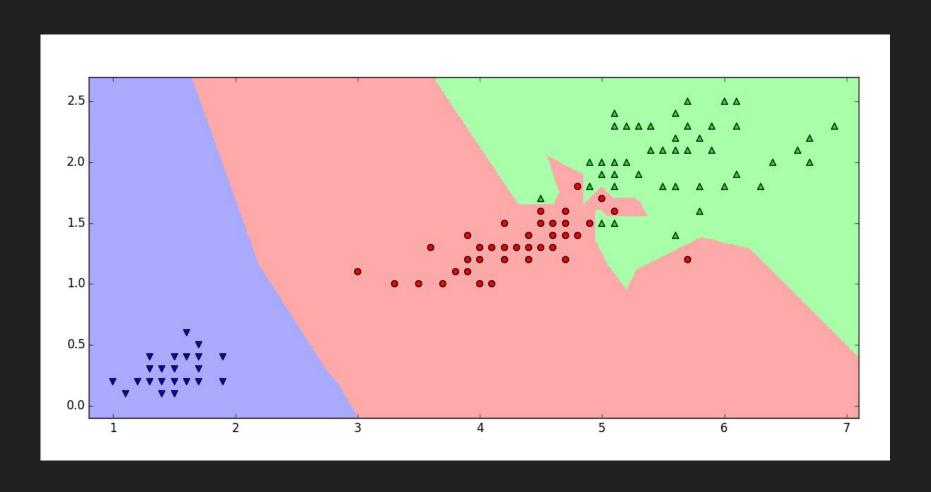




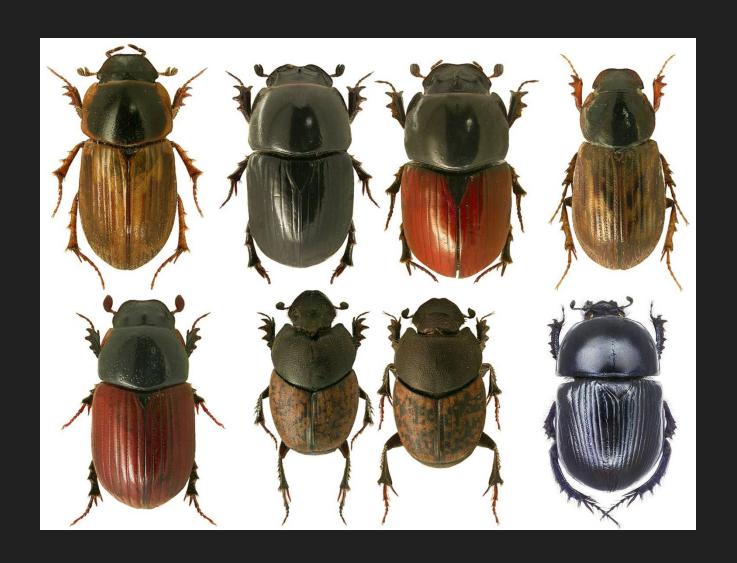
Problems with Nearest Neighbours #3: Noise



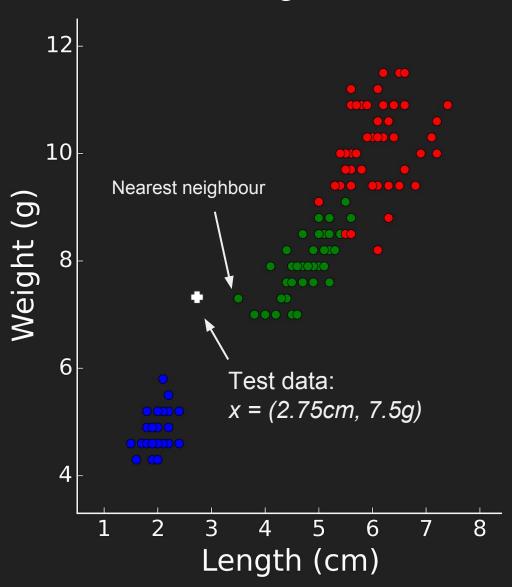
Problems with Nearest Neighbours #3: Noise



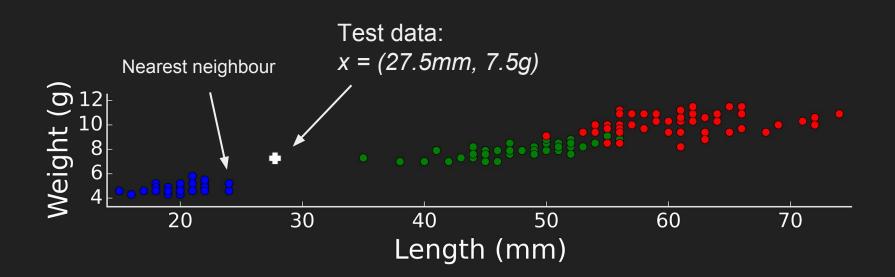
Problems with Nearest Neighbours #4: Scaling



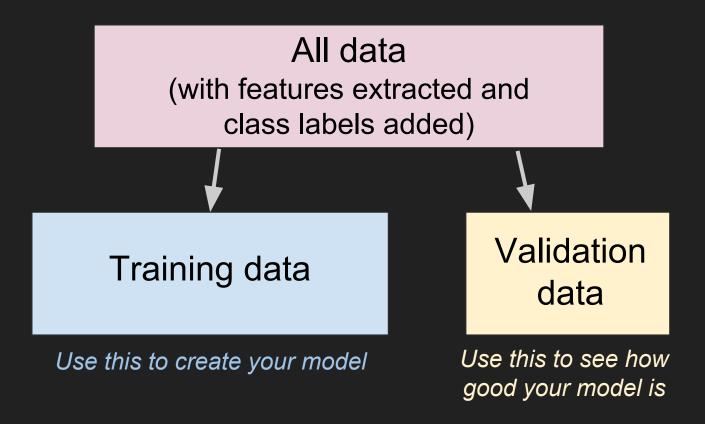
Problems with Nearest Neighbours #4: Scaling



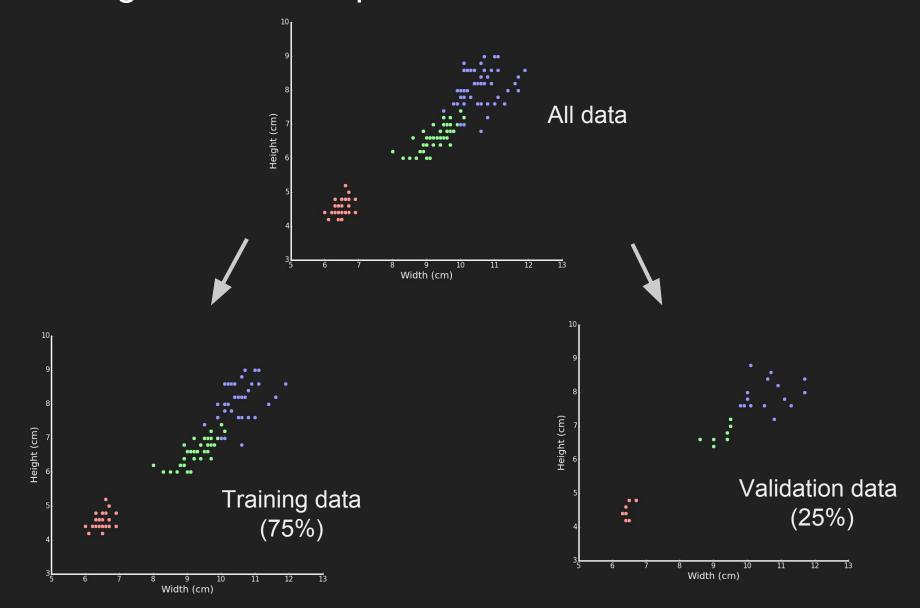
Problems with Nearest Neighbours #4: Scaling



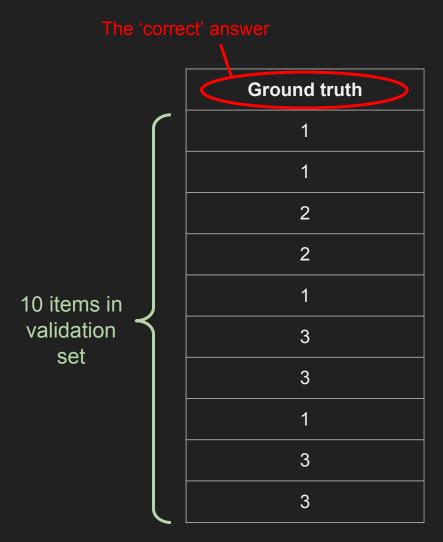
Training / validation split



Training / validation split



How good is your model?



1 = polygonia c-album, 2 = maniola jurtina, 3 = pyronia tithonus

How good is your model?

- 10 butterflies in validation set, 6 were classified correctly
- Accuracy = 0.6 or 60%
- Error = 0.4 or 40%