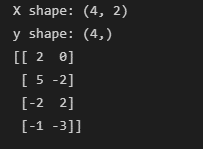
**Lab sheet 10**

**Classification and Regression**

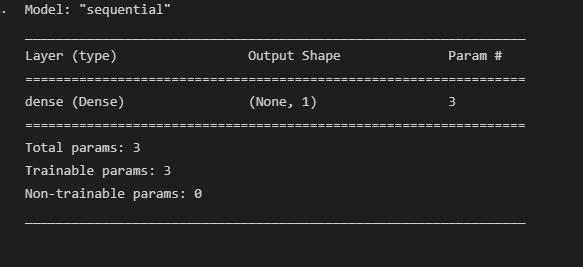
**(Introduction to deep learning)**

**Linear Classification by Regression**

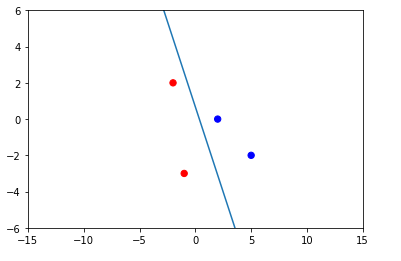
Data



Architecture

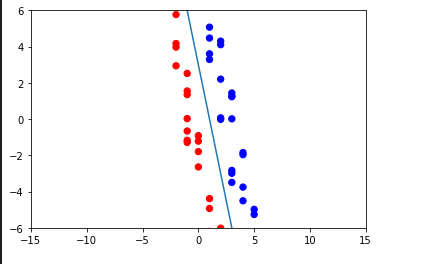


Plot prediction

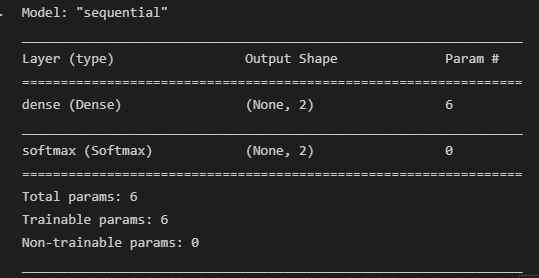


**Linear Binary Classification**

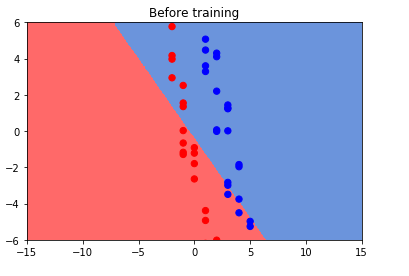
Data setup – Generated random data

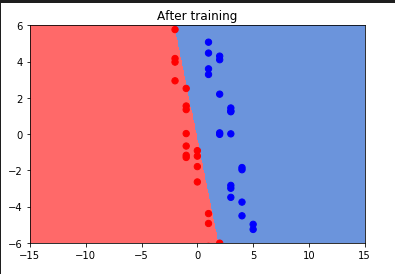
****

Model

****

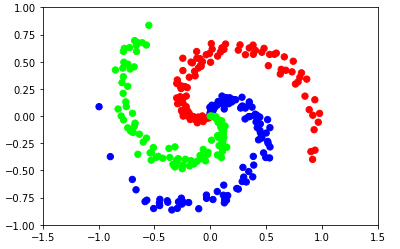
Learning



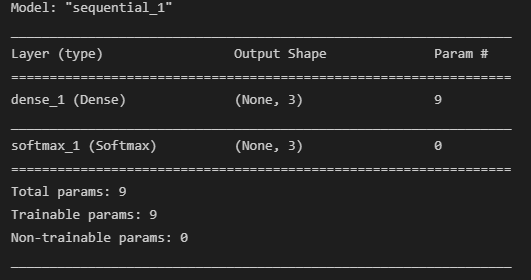


**Linear Classifier with spiral data**

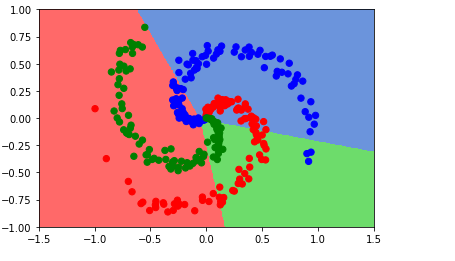
Generated data



Model

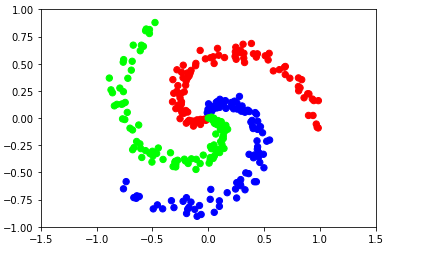


Visualize decision boundaries

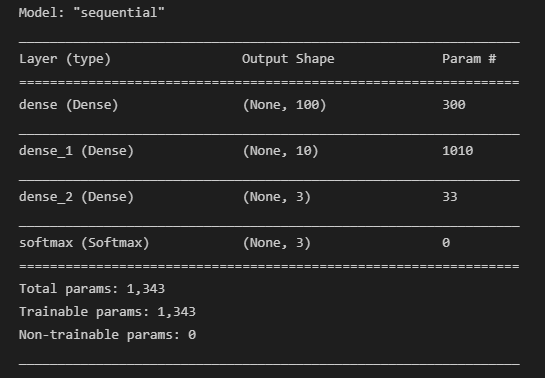


**Neural Network with spiral data**

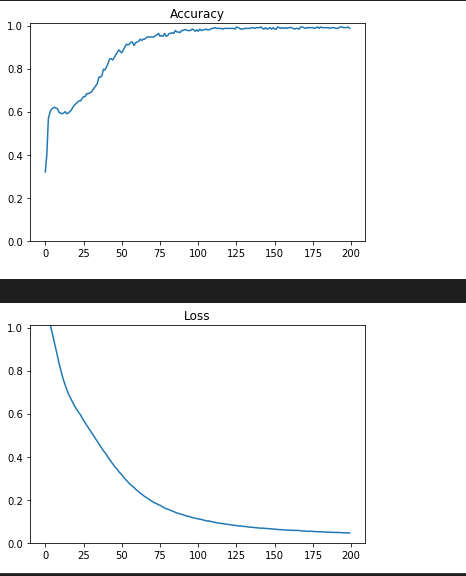
Generated spiral data



Model



Result – Accuracy and loss



Visualize decision boundaries

