# CHAPTER 4: Regression and Classification Models

* **Overview**
* **Introduction**
* **Sequential Models**
* **Keras Layers**
* **Exercise 4.01: Creating an ANN with TensorFlow**
* **Model Fitting**
* **The Loss Function**
* **Exercise 4.02: Creating a Linear Regression Model as an ANN with TensorFlow**
* **Exercise 4.03: Creating a Multi-Layer ANN with TensorFlow**
* **Activity 4.01: Creating a Multi-Layer ANN with TensorFlow**
* **Classification Models**
* **Exercise 4.04: Creating a Logistic Regression Model as an ANN with TensorFlow**
* **Activity 4.02: Creating a Multi-Layer Classification ANN with TensorFlow**
* **SUMMARY**