* Problem Description and Data: Description of the forecasting problem and data.

This may be the same as in Assignment 1. If there were issues with this section in

Assignment 1, you must fix them. (**2 points**)

* Background: Overview of the network architecture (only one) you have used

including important hyperparameters that affect the network operation. Discuss the reasons for selecting a specific architecture. Make sure you specify which hyperparameters you tuned. (**4 points**)

* Methodology: Description of the process you have used including data pre- processing, feature generation, model training/testing, and evaluation. (**7 points**)
* How you prepare

1. - deep learning architecture suitable for your problem. Consider different network architectures for your problem. and explain why you have chosen specific architecture. Describe which architectures you considered and explain why you have selected specific architecture. In your code, only implement the selected architecture.
2. Tune the selected network(s). At a minimum, tune the number of layers, number of neurons, and two other hyperparameters. Depending on your problem, you should consider tuning additional hyperparameters. Some of the networks you consider should have at least five hidden layers - exception is RNN for which three hidden layers are sufficient.
3. Assess the accuracy of the tuned deep learning model and compare its accuracy with accuracy achieved for models from Assignment 1. If you are using a different data set, compare the tuned neural network with another model (does not have to be tuned) of your choice.

* Results: This should include comparison (two or more metrics) of the tuned model with another model, graph(s) comparing models you considered in tuning, and graphs showing accuracy measures achieved while training the tuned model. Make sure you demonstrate that your neural network is learning. Also, make sure you discuss the finding. (**7 points**)
* Code. Although there are no marks for the code itself, marks will be deducted if the code does not match the rest of the report.