论文第五章中的主要提示工程-DHSD

You are an expert at data science. I have 550 pieces of data collected from the hydrocracking unit in a refinery, and I want to establish neural networks that use the properties of feedstock and operating conditions to predict the properties and impurities content of hydrocracking products. And then find the key impact factors of the output variables based on the models.

Your mission is to guide me to complete this process. Now, you need to introduce the stages of machine learning. Your output should in the format below:

“””

Stage {x}: {stage name}

Stage {x} function: {function of stage x}

“””

Note that:

1. I have collected the data and selected the input and output features. When introducing the stages, ignore the stages that have been completed.

2. Merge the stages that can be completed at the same time to one stage. For example, model training and model optimization.

Should you have any question, ask me in your response.