Case Study Project – Integration of SSIS and Predictive Model Creation

Using the Project you identified in your Project Charter proposal, please build a Package that automates the creation of your Predictive Model.

ICE4 – ML Algorithm (5pts)

Using SSIS please build and save your predictive model. Your model performance results should also be saved to a text file showing the model performance results.

Note it is possible to use either MS SSIS or MS SQL Server to build the model:

1. MS SQL Server directly:

R: <https://learn.microsoft.com/en-us/sql/machine-learning/tutorials/quickstart-r-create-script?view=sql-server-ver16>

Python: <https://learn.microsoft.com/en-us/sql/machine-learning/tutorials/quickstart-python-create-script?view=sql-server-ver16>

1. Running Model script from SSIS

<https://www.oreilly.com/library/view/sql-server-2017/9781787283572/3038107d-e203-4696-b66d-49219c7e47b6.xhtml>

Please upload the following screenshots (png format) to Brightspace:

1. Your model running correctly from within SSIS,
2. Your model saved to disk for reuse:

R: <https://machinelearningmastery.com/finalize-machine-learning-models-in-r/>

Python: <https://www.kaggle.com/code/prmohanty/python-how-to-save-and-load-ml-models>