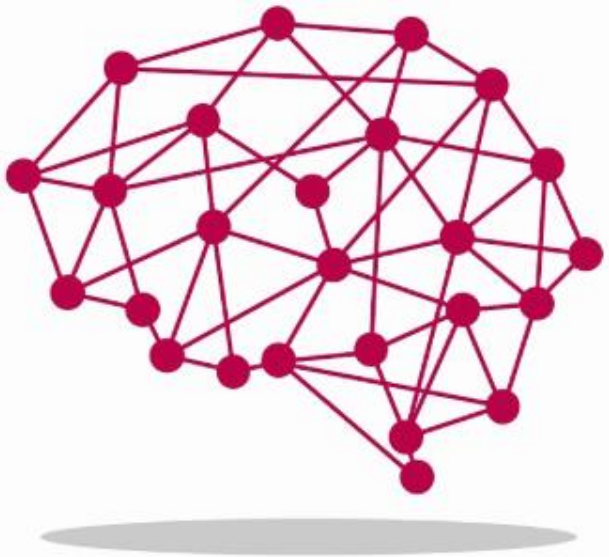
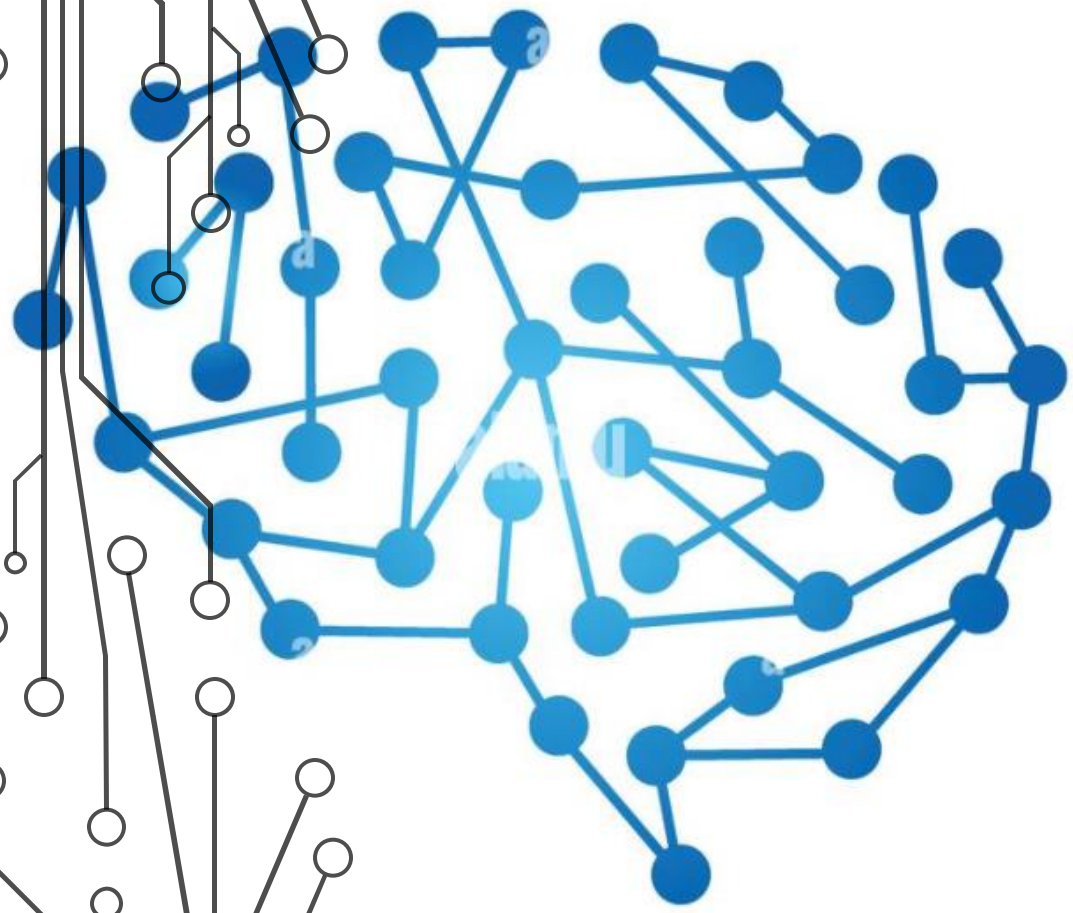
C379 EMERGING TECHNOLOGIES

LESSON 20: PREDICTIVE MODELING



LP4 LEARNING OBJECTIVES

- Test and evaluate the three (3) predictive models and identify the one that will produce the best solution for the given scenario



PREDICTING FINAL OUTCOME

SAVING & LOADING A PREDICTIVE ANALYTICS MODEL

```
import pickle as pk

model_filename= "./model/rf.mdl"
with open(model_filename, "wb") as file:
    pk.dump(rf, file)


load_model = pk.load(open(model_filename, 'rb'))
```

1. Importing pickle method to serialize and de-serialize a Python object structure

2. Open a binary file and write the pickled representation of the AI model into it

3. Read the pickled representation of an object from the open file to load the AI model

PERFORM YOUR PREDICTION

LAB 20-1

- PREDICT THE WASHING CYCLE OF THE WASHING MACHINE

LAB 20-2

- PREDICT THE ESTIMATED TIME TO COMPLETION