

DTSC670: Foundations of Machine Learning Models

Module 1

Assignment 2: Johnny Likes Pies

Directions

Begin by watching the video “Should You Play Golf Today?” Fill in the code snippets as you watch in the PlayGolfRegression_template.ipynb file.

Next, move on to the assessment, which is called Assignment_2.ipynb. You must complete this Jupyter Notebook using the same tools and techniques illustrated in the “Should You Play Golf Today?” video.

Be sure to document your code! Include many comments indicating the semantics of your code! Ensure the names of your variables are meaningful!

Below is a simple rubric indicating how you will be graded:

Clarity and Comments 10%

How organized is your notebook? Do you have enough comments? Are the meanings of the computations clear?

Data Preparation 60%

Were you able to successfully prepare your data for model fitting?

Model Fitting and Prediction 20%

Were you able to successfully fit the model to the data, and make predictions on the training data set?

Accuracy Calculation 10%

Were you able to successfully compute the model accuracy?