Davis Adams

Machine Learning

ML Reading WK 5

2/12/23

* Answer each of the following:
  1. What is a time series?

A time series is used to predict something that might happen in the future using data that has been collected over time.

* 1. What is the difference between training and validation error?

The difference is that training error represents the model that best fits the data used while validation error shows how well the model fits the new data.

* 1. How would you determine when to stop training to avoid overfitting?

When the error on the validation set starts increase we implement what is called an early stop in order to avoid overfitting.

* What is your level of understanding of chapter 4:  
  0%, 25%, 50%, 75%, 100%?

75%

* What questions do you have about the reading?

How do we know if certain features have no correlation and can’t be used to create a model in machine learning?