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Course Overview



Week 1: Bagging and Random Forest



Week 1: Additional Case Study



Week 1: Reference Material



MLS 1: Bagging and Random Forest



Week 2: Boosting



Overview - Boosting



Important Note



Week 2 - Lecture Video Materials

2.1 Introduction to Boosting



2.1 Test your understanding

2.2 Bagging VS Boosting



2.2 Test your understanding

2.3 AdaBoost



2.3 Test your understanding

2.4 Gradient Boosting



2.4 Test your understanding

2.5 XGBoost Overview



2.5 Test your understanding

2.6 Hands-On Boosting



2.6 Test your understanding

2.7 Stacking



2.7 Test Your Understanding

Lecture Slides - Boosting

Lecture Notes - Boosting

FAQ - Boosting

Weekly Quiz - Boosting

Week 2: Additional Case Study



Week 2: Reference Material



MLS 2: Boosting



Week 2: Additional Learning Material



Hands-On Quiz



Project 5: Ensemble Techniques: EasyVisa



All Notes



Important Note

1. Please make sure that the XGBoost library is installed in the system before starting with the lectures (this will help in working hands-on while viewing the hands-on videos)
2. In the Additional Learning material for this week, there are videos by the faculty explaining the mathematics behind Boosting algorithms - AdaBoost, Gradient Boost, and XGBoost. These videos can be referred to if one wishes to take a deep dive into the maths behind these algorithms

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