

11.2 Lesson Plan: Trees and Ensemble Learning

Time Tracker

This Time Tracker reflects the 3-hour class session for lesson 11.2. Please note: The Teach Back interview will only cover the highlighted sections.

Section	Activity	Time (min)
1	Instructor Do: Welcome Class	5
2	Instructor Do: Dealing with Text and Categorical Data in Machine Learning	10
3	Student Do: Encoding Categorical Data for Machine Learning	10
4	Instructor Do: Review Encoding Categorical Data for Machine Learning	10
5	Instructor Do: Walking into the Algorithms Forest	5
6	Instructor Do: Decision Trees	10
7	Students Do: Predicting Fraudulent Credit Card Transactions	10
8	Instructor Do: Review Predicting Fraudulent Credit Card Transactions	10
9	Instructor Do: Introduction to Ensemble Learning	10
10	Instructor Do: Random Forest	10
11	Students Do: Predicting Fraud with Random Forests	10
12	Instructor Do: Review Predicting Fraud with Random Forests	10
13	BREAK	15
14	Instructor Do: Boosting and Bagging	15
15	Instructor Do: Gradient Boosted Tree	10
16	Students Do: Turbo Boost	10
17	Instructor Do: Turbo Boost Activity Review	10
18	Instructor Do: The Trees Versus the World	10
	END	

