

*** Applied Machine Learning Fundamentals ***

Classification I

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SAP SE

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Agenda October 21, 2019

- 1 Introduction
- 2 k-Nearest Neighbor
- 3 Logistic Regression
- 4 Decision Trees and Ensembles

5 Wrap-Up

Summary
Lecture Overview
Self-Test Questions
Recommended Literature and further Reading

Section:
Introduction



Section:
k-Nearest Neighbor



Section:
Logistic Regression

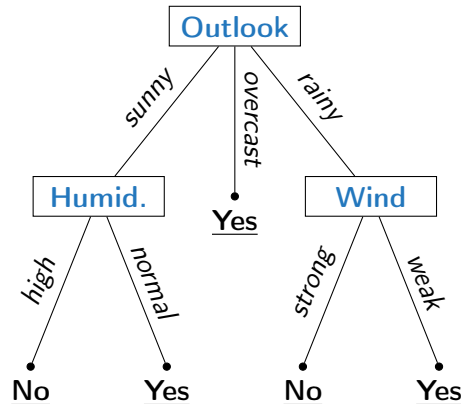


Section:
Decision Trees and Ensembles



Introduction

Outlook	Temperature	Humidity	Wind	PlayGolf
sunny	hot	high	weak	no
sunny	hot	high	strong	no
overcast	hot	high	weak	yes
rainy	mild	high	weak	yes
rainy	cool	normal	weak	yes
rainy	cool	normal	strong	no
overcast	cool	normal	strong	yes
sunny	mild	high	weak	no
sunny	cool	normal	weak	yes
rainy	mild	normal	weak	yes
sunny	mild	normal	strong	yes
overcast	mild	high	strong	yes
overcast	hot	normal	weak	yes
rainy	mild	high	strong	no
rainy	mild	normal	strong	???



Section:
Wrap-Up



Summary

Lecture Overview

Unit I: Machine Learning Introduction

Self-Test Questions

Recommended Literature and further Reading

Thank you very much for the attention!

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Do you have any questions?