

Overview

<u>Today</u>

- Classification Problem
- Classification based on Regression
- Distance-based Classification (KNN)

Data Mining Lecture 3: Classification 1

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Next Lecture

- Decision Trees
- Classification using Rules
- Quality of Classifiers









More Classification Examples

- Classify students' grades as VG, G, or U.
- Identify mushrooms as poisonous or edible.

Data Mining Lecture 3: Classification 1

- Classify stocks as buy, keep, or sell.
- Identify individuals with credit risks.
- Perform speech recognition.
- Perform pattern recognition.













Name	Gender	Height	Output1	Output2
Kristina	F	1.60	Short	Medium
Jim	М	2.02	Tall	Medium
Maggie	F	1.90	Medium	Tall
Martha	F	1.88	Medium	Tall
Stephanie	F	1.71	Short	Medium
Bob	М	1.85	Medium	Medium
Kathy	F	1.60	Short	Medium
)ave	М	1.72	Short	Medium
Vorth	М	2.12	Tall	Tall
Steven	М	2.10	Tall	Tall
Debbie	F	1.78	Medium	Medium
Fodd	M	1.95	Medium	Medium
Kim	F	1.89	Medium	Tall
\my	F	1.81	Medium	Medium
Vynette	F	1.75	Medium	Medium





























Data Mining Lecture 3: Classification 1









