CS286-S2, Fall 20 – Topics in Intelligent Systems
MoWe 3 – 4:15 PM, Instructor: Dr. Katarzyna Tarnowska

In this course students will learn how to:

• Use **WEKA** to perform:
  o Exploratory data analysis
  o Data pre-processing
  o Feature selection
  o Predictive models

• Use **LISp-Miner** to:
  o Build descriptive models, such as
    ▪ Association patterns
    ▪ Actionable patterns

• Learn **Natural Language Processing** frameworks such as Stanford NLP or Python NLTK to perform:
  o Text mining,
  o Text classification,
  o or Opinion mining

• Use real-world datasets from **UCI-repository, Kaggle**

• Learn techniques to build intelligent systems within team projects, such as:
  o **Recommender systems**
  o Decision Support Systems

• Learn interdisciplinary fields, such as **medical informatics**, business analytics, or other.

For details, see webpage: [https://www.sjsu.edu/people/katarzyna.tarnowska/courses/](https://www.sjsu.edu/people/katarzyna.tarnowska/courses/)
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