

Information Mining - winter semester 2019/20**Exercise sheet 2**

Excercise 1: Understanding

Explain in your words the attribute types nominal, ordinal, numeric (interval-scaled, ratio-scaled).

Excercise 2: More understanding

Time in its various forms as attribute value can be regarded as nominal, ordinal, interval or ratio scale. Give examples for each of the four cases (e.g. Weekday is an example for ...).

Excercise 3: More understanding

What does an attribute measure? Does it make sense to use two attributes (different names) that measure similar things?

Excercise 4: More understanding

In machine learning we aim to learn a concept or a model. Give an example of a concept one could learn using machine learning and also give the appropriate style of learning.

Excercise 5: More understanding

Classification task is a supervised task. Is this true/false? Why? What about the regression task?

Excercise 6: Clustering

In clustering our aim is to group instances into clusters. Assume you want to cluster fruits. What attributes of the fruits would you use for comparison purposes?