# IS424 Data Mining and Business Analytics

## Exercise 1: Data

1. Classify the following attributes:
   - Size type of one T-shirt
   - Length of a character string
   - Calendar dates
   - Presence or absence of class
   - Speed of a car
   - Temperatures in Celsius degree

as *binary, discrete, or continuous* attributes. Also classify them as <u>qualitative</u> (*nominal* or *ordinal*) or <u>quantitative</u> (*interval* or *ratio*).

If you think some cases have more than one interpretations, briefly indicate your reason if there may be some ambiguity.

Use the following table, and putting "**X**" to indicate your answers in proper cells of the table.

| Attribute | | size type of one T-shirt | length of a character string | calendar dates | presence or absence of class | Speed of a car | temperatures in Celsius degree |
|---|---|---|---|---|---|---|---|
| **Type** | **Binary** | | | | | | |
| | **Discrete** | | | | | | |
| | **Continuous** | | | | | | |
| **Qualitative** | **Nominal** | | | | | | |
| | **Ordinal** | | | | | | |
| **Quantitative** | **Interval** | | | | | | |
| | **Ratio** | | | | | | |