Data Types

We discussed the inherent data type of an attribute, including the TNOIR and further considerations in class.

- For each of the following examples, discuss which TNOIR data type it has.
- For every numerical value (interval, ratio) state if it is discrete or continuous
- Discuss any further special properties.

Answer the questions in teams of 2 to 4 students

Examples

1) Country of Origin: Germany, Austria, Spain, …

2) BMI (Body Mass Index)

3) Income

4) Score on an IQ test: 85, 100, 130, 115, …

5) Number of students in a class

6) Car Brand

7) Time (of/within a day): 2:30, 14:45, 8:00, …

8) Pain Level on a scale of 0 (no pain) to 10 (extremely painful)

9) Favorite Mythical Creature: Dragon, Unicorn, Phoenix, Griffin, …

10) Genre of Music

11) Number of steps taken in a day

12) Satisfaction Score on a 10-point scale

13) Liters of water consumed in a day

14) Wine quality rating: fair, good, very good, excellent

15) Month in a Year: January, February, …, December

16) Quantity of Magic Potions: 1 potion, 2 potions, 3 potions, 4 potions, …

17) Virtual Reality Immersion Levels: 10%, 20%, 30%, 40%, …

18) Level of autonomy of a self-driving vehicle

19) Imaginary Friend Interaction Frequency: 5 times/month, 10 times/month, 15 times/month, 20 times/month, …

20) Speed of a Car: 60 km/h, 80 km/h, 100 km/h, 120 km/h