Unit 4 - Week 2

Assignment 2

The due date for submitting this assignment is 2020-09-30, 23:59 IST.

1) Before conducting studies with participants, which of the following information has to be provided to participants?
   - What data is collected
   - Why and how it is collected
   - How the data is stored
   - All of the above

2) This stage where raw data is converted into a dataset is called
   - Preprocessing
   - Dew processing
   - Data analysis
   - Data reporting

5) "MHE" is developed by
   - Teach design thinking skills
   - Track material and metal properties to students
   - Teach engineering fabrication skills
   - Teach the transition to a dataset

9) Which of the following is NOT part of Data Preprocessing?
   - Identifying other sources of data required for analysis
   - Filtering erroneous data
   - Dealing with missing data
   - Removing irrelevant attributes

10) Suppose that risk and gross margins across are students of class X in the 6th exam are 62 and 95 respectively. The mean and standard deviation is 66.14 respectively. Which of the following statements are true?
   - By mean, the value 36 will be transformed into 66.73
   - By max. norm, the value 80 will be transformed into 88.66
   - By min. norm, the value 36 will be transformed into -66.73
   - By z-score normalization, the value 80 will be transformed into -0.83

11) If you are designing a study to collect data from class X students, which of the following is most important in data collection?
   - Record all of this interaction with student
   - Obtain student and parent’s consent
   - Student can influence peers and stop them from participating in study
   - None of the above is important

3) Which of the following is not a valid principle of Ethics in Learning Analytics?
   - Learning Analytics as a Moral Practice
   - Students on Agents
   - Students as producers and source of data
   - Learning Analytics as Moral Practice resulting in measuring the performance in classes

4) In MOOC data, what field is used to identify user location?
   - UserID
   - TimeStamp
   - IP address
   - None of the above

8) Which of the following is NOT part of Data Preprocessing?
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   - Filtering erroneous data
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