Name: Nazmul Islam

ID: 232113

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Ansito. the Qino. 1

- a) Yes. This activity is a data mining task. It talls under the contegory of earchestering.
- b) Yes. This activity is a data mining task. It falls under the category of classification
- e) Yes. This activity is a data mining task. It falls under prediction toxt.
- d) No. This acts activity is not a data mining task. It Monitoring the heart rade of a paident for abnormalities is a real-time prediction on detection task. Usually and mining work involves with large datasets to find out pattern. So, This activity is not a data mining task.

a) Loan detault prediction:

Goal: The goal of loan prediction is to identify potential customers who are likely to detault on their loan papment.

App rough.

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- D Analyze the historical loan data
 - 2) Apply various classification algorithm on boan data
- 3) Build Ovild a model based on machine learning.
- a) Consider the attributes of data: credit history, knoone, employment status, loan amount.
- 5) Preprocess the data with Feature selection
- 6) Train the model with qualityful down and balanced data.
- b) Credit cond Frank detection:

Goal: The goal of medit cand thank detection is to identify and prevent fraudient trunsaction and protect both candholders and Francial institutions.

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- 1) Collect huge amount of Bichedit cond transaction.
- 2) the preprocessing We need to Exidentity the onomaly to identity the unusual pattern on didliens in transaction data.
 - 3) Train machine learning with important attributes
 - 4) (De Transaction amount, menchant & category,
 The transaction date and time, location, candholder
 information, transaction trequency there important
 attribute should be consider to their apprecies.

 process.
- 5) Efficient classification absorbthan should be choosed for Athis traad detaction.

Anostoithe Queno. D

The the Three data quality problem can be:

- pd) Noise
 - 2) Duplicate datu
 - 3) Missing values

Noise: For objects noise is an extraneous object. Noise refers to mudification of original values. It can misleading the data mining tood of tusk. aroon train with noise a decrese the accuracy of the model. It also cretate create the naise the problem of overAtting, complexity, in accurate decision making.

Puplicate data: A lata set include data objects that one duplicates on almost duplicates, of one another. To detect and eliminate such duplicates, two main issues one addresses similar data should be availed and a Deluplication can help with this process.

Missing values: Missing ralnes also Adechase the model pertopmance. To handle this we can diminute data object on estimate the missing values.

Ans: to the Qino . 4

Temperature can be considered as either an unterval or ratio , depending on the scale being used.

In Celcius (c°) on Furthernheit (°F°) temperature is measured on an interval scale.

on the other hand, in kelvin (K) scale, temperature is measured on a notio scale.

the distiction between interval and ratio scales lies in the presence on absence of a true zero point. In anytheral scale, ratios between values are not menningful since zero does not indicate the absence of the measured attributes. In a natio scale, ratios have meaningful justice of the pretation because zero represent the absence of the attributes.

That only, wells in kells in scale, temperature can be used in that on the other hand, to in so celeious on tuhnchest scales, temperature can be used as so an interval.