CA-1 Set 1

INT-234

Predictive Analytics

Note:

1. All questions are compulsory.

2. Copy cases will be awarded zero without any explanation.

3. Each question is of 10 marks.

Q1. A mall customer embodies a diverse range of interests and preferences, often seeking a blend of convenience, variety, and experience. They may visit to shop for the latest fashion trends, explore new technology, or simply enjoy a leisurely day out. The modern mall customer values both the quality of products and the overall shopping experience, which includes engaging store displays, friendly service, and a pleasant atmosphere. Beyond retail, they might visit for dining options, entertainment, or social interactions, making the mall a multifaceted destination that caters to various needs and desires. As consumer habits evolve, mall customers increasingly appreciate personalized experiences and seamless integration of digital and physical shopping environments.

To predict the impact there are many different ways and models can be used to make predictions. Implement the Lazy learner algorithm using a "Mall_customer.csv" find the Genre Type of new test case and give a brief analysis (at least 2points)

Q2 Data set used in question 1 answer the following questions:

1) Find the NA values

2) Find at which location there are null values

3) Apply complete cases method to ignore the missing values

4) Apply scale formula on independent variables

5) Visualize the independent variable using a visualization

Q3. Using "SALES" dataset answer the following questions: : (USING SQLDF)

1. Which item category is providing highest sales to the company?

2. Find the details of the customer staying in New York and using the online mode of payment while buying products.

3. Find the total sales made under each manager in each department.

4. Find total sales of each itemname

5. In which item category users mostly prefer post mode of payment?

CA-1 Set 2

INT-234

Predictive Analytics

Note:

1. All questions are compulsory.

2. Copy cases will be awarded zero without any explanation.

3. Each question is of 10 marks.

Q1. A bank loan is a financial product offered by banks and other financial institutions that provides borrowers with a specific amount of money to be used for various purposes, such as purchasing a home, funding a business, or covering personal expenses. In return, the borrower agrees to repay the loan amount, plus interest, over a predetermined period. The terms of the loan, including the interest rate, repayment schedule, and any fees, are outlined in a loan agreement. Banks assess the borrower's creditworthiness, financial stability, and ability to repay before approving the loan. Proper management of a bank loan can help build credit history and support financial goals, but failing to meet repayment obligations can negatively impact credit scores and lead to additional financial complications.

To predict the impact there are many different ways and models can be used to make predictions. Implement the Lazy learner algorithm using a "bankloan.csv" find the category type of new test case and give a brief analysis (at least 2points)

Q2 Data set used in question 1 answer the following questions:

1) Find the NA values

2) Find at which location there are null values

3)Apply complete cases method to ignore the missing values

4) Apply normalization formula on independent variables

5) Visualize the independent variable using a visualization

Q3. Using "SALES" dataset answer the following questions: : (USING SQLDF)

1. Which manager is providing maximum sales to the company?

2. Find the details of the customer staying in London and using the Direct mode of payment while buying products.

3. Find the total sales made under each manager in each department.

4. Find total sales of each channel type.

5. In which item category users mostly prefer direct mode of payment?

CA-1 Set 3

INT-234

Predictive Analytics

Note:

1. All questions are compulsory.

2. Copy cases will be awarded zero without any explanation.

3. Each question is of 10 marks.

Q1. Cardio fitness, or cardiovascular fitness, refers to the efficiency of the heart, lungs, and circulatory system in supplying oxygen to the muscles during sustained physical activity. It is a key component of overall health and fitness, reflecting the body's ability to perform aerobic exercises, such as running, swimming, or cycling, for extended periods without excessive fatigue. Improving cardio fitness typically involves engaging in regular aerobic workouts that elevate the heart rate and enhance endurance. Benefits of good cardio fitness include reduced risk of chronic diseases like heart disease and diabetes, improved mood and mental health, increased energy levels, and better overall physical performance. To enhance cardio fitness, it is important to incorporate a variety of aerobic exercises into your routine, gradually increase intensity, and maintain consistency.

To predict the impact there are many different ways and models can be used to make predictions. Implement the Lazy learner algorithm using a “insurance.csv” find the category type of new test case and give a brief analysis (at least 2points)

Q2 Data set used in question 1 answer the following questions:

1) Find the NA values

2) Find at which location there are null values

3) Apply complete cases method to ignore the missing values

4) Apply normalization formula on independent variables

5) Visualize the independent variable using a visualization

Q3. Using "SALES" dataset answer the following questions: (USING SQLDF)

1. Which category is providing maximum sales to the company?

2. Find the details of the customer staying in Mumbai and using the online mode of payment while buying products.

3. Find the total sales made under each manager in each department.

4. Find total sales of each manager

5. In which item category users mostly prefer online mode of payment?