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. Car mileage, or fuel efficiency, has a direct impact on the overall cost of vehicle ownership and its market price. Vehicles with higher mileage, meaning they travel more distance per unit of fuel, generally have a higher resale value due to their better fuel economy. This is particularly significant in markets where fuel prices are high or in regions with stringent environmental regulations.

To predict the impact there are many different ways and models can be used to make predictions. Implement the Lazy learner algorithm using a "Usedcars.csv" find the transmission 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. Use voting data set to find out these results:

a.Find the name of the winning candidate from 'Uttar Pradesh'

b.Find the seats where margin percentage is less than 12 percent

c Find the total number of seats where winning candidate is from Communist Party Of India (MARXIST)

d. .Find the winning candidate name where turnout is greater than 7%

e. Find the results where state is Gujrat

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. Cereals also play a significant economic role in agriculture and food industries worldwide. They are crucial for food security and are often subsidized by governments due to their importance in feeding large populations. The market for cereals includes a diverse range of products, from traditional staples to highly processed and ready-to-eat options, catering to various tastes and dietary needs.

To predict the impact there are many different ways and models can be used to make predictions. Implement the Lazy learner algorithm using a "cereals.csv" find the company 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. Use voting data set to find out these results:

a.Find the name of the winning candidate from 'Rajasthan'

b.Find the seats where margin percentage is less than 5 percent

c.Find the winning candidate name where turnout is greater than 7%

d.Find the total number of seats where winning candidate is from Shiv Sena

e.Find the results where state is Haryana

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. The insurance process begins with the assessment of risk and underwriting, where the insurer evaluates the likelihood and potential impact of various risks. This assessment determines the premium amount, which is the cost paid by the insured to maintain coverage. Policies can cover a wide range of risks, including property damage, health expenses, liability claims, and more.

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 smoker 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. Use voting data set to find out these results:

a. Find the name of the winning candidate from 'Kerala'

b. Find the results where state is Telangana

c.Find the seats where margin percentage is less than 10 percent

d.Find the winning candidate name where turnout is greater than 2%

e. .Find the total number of seats where winning candidate is from Bharatiya Janta Party