**LAB EXPERIMENT NO.**

**11**

**LIST OF TASKS**

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| --- | --- |
| TASK NO | OBJECTIVE |
| 01 | * Train a Decision Tree to predict whether or not a person earns more than 50k per year. * Partition the dataset into a training set (75%) and a test set (25%) using the Partitioning * node with the stratified sampling option on the column “Income”. * Use the Decision Tree Learner Node to train the model on the training set and * the Decision Tree Predictor Node to apply the model to the test set. * Use the Scorer node to evaluate the accuracy of the model. * Show histogram and scatter plot of dataset |

**Submitted On:**

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**Task No. 1:**

* Train a Decision Tree to predict whether a person earns more than 50k per year.
* Partition the dataset into a training set (75%) and a test set (25%) using the Partitioning
* node with the stratified sampling option on the column “Income”.
* Use the Decision Tree Learner Node to train the model on the training set and
* the Decision Tree Predictor Node to apply the model to the test set.
* Use the Scorer node to evaluate the accuracy of the model.
* Show histogram and scatter plot of dataset.

**Solution:**

Diagram

Description automatically generated**Final Diagram:**

**Graphical user interface, application

Description automatically generatedConfiguration of all Nodes:**

Graphical user interface, text, application

Description automatically generatedGraphical user interface, chart

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated**Graphical user interface, application

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Graphical user interface, text, application, email

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Graphical user interface, application

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A picture containing text, window

Description automatically generated**Outputs of all Nodes:**

Table

Description automatically generatedTable

Description automatically generated

Graphical user interface, application

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Table

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Graphical user interface, application

Description automatically generatedGraphical user interface, application, table

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Table

Description automatically generated

Shape, square

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