

PART - B

6)

b) Predicting the Cricket Scores.

To Predicting the Cricket Scores. We will use Supervised learning because Supervised learning are labeled data dataset. This help to predict data and analysis data easily. There are Seven Method to deployed the ~~case~~ Case Study

Data Collection:

* In Data Collection we want collect the past data of player, coach, pitch, Team last performance data, key player data

* In collecting data in Supervised learning can more easily than unsupervised learning because Supervised learning are used labeled data so it can help to classify the data easily.

Data Preprocessing.

- * In Data Preprocessing are important step in ~~data~~ Prediction and analysis.
- * Data preprocessing are clean the unwanted data.
- * Data preprocessing are structure and labeled the data.

Feature Extraction.

- * In Feature Extraction it help to analysis the feature to predict the data.
- * It will extract the feature structure of the data.

Data Splitting

- * In Data Splitting are important Step these Step are split the data into the ratio of 80,20 (or) 70,30
- * the 2 Splited data are used in two different Method one for Model testing and Model Evaluation

Model Testing

- * In this Step, the one part of Splited data are testing and for data prediction.
- * this testing Model are test the data with Continously untill it end.
- * In Prediction, Model testing are important Step in

Model Evaluating.

- * the another half of data are used in this step to Evaluate
- * This Steps are evaluate the Model testing.

Real time prediction:

- * In Cricket, Predicting the Score in Real time So we want Some Calculation to analysis the for further prediction of Score.
- * And using the Past Data & step to analysis the player stats to predict the Score. as we as team, Coach and pitch Data to predict.

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there are Step no. that are involve to develop the "Predicting the Cricket Scores" this case Study.

7)

b) Identifying Spam emails.

For identify the Spam emails using Machine learning are involved Various Step and various techniques to identify the the Spam mail detection.

Data Collection:

* Data Collection are the important Step, the Collected data are email are classified as Spam or non Spam email.

* The Spam email are taken for the next Data Preprocessing Step.

Data Preprocessing

- * The detected Spam Mail are want to clean the unwanted Data like HTML Ad ; Em and Extract the text data from the like mail and process to like lower case.
- * the preprocessing state are feed the data into Model Testing and Training.

Data Splitting

- * The Preprocessed data are split into the ratio 80,20 (or) 70,30

- * one half of data are given to Testing Model.

- * And Another half of data are given to Training Model.

Training Model.

- * The one half of data are training under this step.
- * The training Model can find the of the model using the same one set of data.

Testing Model.

- * The another half of data are test under this step.
- * The trained Model data are test under this step.

Deployment

- * The Final Step of the Case is Deployment, after finish all the Step of Testing the Model can deploy.

Techniques Effective for Identifying Spam Email

* Convolution Neural Network (cnn)

used in modern technology

* Using Pre-trained Dataset to achieve
to identify Spam email.

PART-C

8)

b) Build a Machine learning Model for accurate and efficient image recognition. in specific domain.

To Build a Machine learning Model for accurate and efficient image recognition in specific domain. (eg: Facial recognition, object detection, or Medical image).

To achieve Machine Learning Model for image recognition we use

Pytorch: This Pytorch are mostly most used image recognition Model.

Tensor-flow: This Module are mostly used in AI based image recognition.

In this Model first we want to collect data, pre processing, Data splitting, Training, Testing, Evaluation and Deployment.

Data Collection.

- * In Data Collection we want to collect fast data with similar kind of Data Set for fridges object detection.

- * The Data Set like "object data" "Py-Detect Object Data" Data Set.

Data Preprocessing.

- * In Building Machine Learning Data Preprocessing are important step Because fully processed data can easily identify the object easily.

- * The Preprocessing can classify the object data into labelled data as Supervised Learning.

Extract Feature.

- * In Extract Feature we work with block of case City Study it can Extracting and the Feature.

Data Splitting.

- * The preprocessed data are split into the ratio of 80, 20 for 60, 30.
- * The one half of data was used of training.

* And another half for data for testing.

Training Model.

- * The First half of data are used to train the model.
- * The Training Model can train using given Data Set.

Testing Model.

- * The another half of data are used to used to test the Model.
- * The testing Model can Test using the given data set.

Evaluation.

- * The testing Model can finally Evaluated under this process for further testing.

Deployment:

- * The Final Step of ML Model is Deployment after testing and evaluating the Model is Reployed.

PART-A

1. Reinforcement Learning are used in flash card teaching for more data analysis and prediction.

2. ~~Linear~~ Regression
~~Support~~ vector mechanism.

~~Tree~~ Regression.

3. Clustering

Clustering are mostly used for text classification.

ASSOCIATION

2. Association are mostly used to associate the data.

4. Supervised learning are used in feedback-based process.

5. It can used for our decision ~~site~~ decision making.