Business Intelligence

Project Ideas

Team Members

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Project Idea 1

Title: Predicting Water Demand based on ground water level in an area.

Objectives:

1. To predict water level, their usage in certain areas in order to send adequate water supply tanks there in time.

Project Idea 1

Business : Central Ground Water Board, Ministry of Water Resources, River Development and Ganga Rejuvenation.

Data Source: http://www.india-wris.nrsc.gov.in/GWL/GWL.html?UType=R2VuZXJhbA==?UName=

http://www.india-wris.nrsc.gov.in/GWLevelApp.html?UType=R2VuZXJhbA==?UName=

Attributes: State(Categorical), District Name(Categorical), Tehsil Name(Categorical), Block Name(Categorical), Latitude(Numeric), Longitude(Numeric), Site Name(Categorical), Site Type(Categorical), WLCode, Year observed(Numeric), Water level during, after and before monsoon(Numeric).

Project Idea 2

Title: Predicting Book Rating and Sales based on Description

Objectives:

1. To predict book ratings and sales based on their descriptions provided on online shopping platforms like Amazon.

Project Idea 2

Business : Publishing Houses, Self Publishing Authors

Data Source: Amazon Website using PA API. A standard dataset is not presently available.

Attributes: Book Name(Categorical), Year(Categorical), Publisher(Categorical), Description(Categorical), Ratings(Numerical), Number of Reviews(Numerical) , Highest Rank Achieved in BestSeller List(Categorical) , ISBN(Categorical)

Project Idea 3

Title: Streamline supply chain workflow.

Objectives:

1. To serve customers without running out of raw material stock during the business hours.

Project Idea 3

Business : Restaurants and eateries.

Data Source: No standard dataset yet

Research Papers (if any referred):

Project Idea 4

Quality of Public Bus Services in Delhi

Objectives:

1. To perform exploratory data analysis on Delhi Open Transit Data and scrutinise the quality of public bus services including route adherence, stopping at bus stops and over-speeding

Project Idea 4

Business : Delhi Transport Department, Commuters

Data Source: https://opendata.iiitd.edu.in/

Attributes: The Delhi Public Bus data is available according to GTFS format.

1. Static Data- Following files are available according to GTFS Format

    agency.txt, calendar.txt, stops.txt, routes.txt, trips.txt, stop_times.txt

2. Real-time Data

For GTFS format and dataset attributes: https://developers.google.com/transit/gtfs/

Data is being provided by the Delhi Transport Department.