

22/11/21
Exam
12/11

Empathy map - Example .

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's

Estimate the crop yield using data Analytics

* Crop production in India is one of the most important sources of income and India is one of the top countries to produce crops.

* where Digital Farming and precision Agriculture allow precise utilization of inputs like seed, water, pesticides, and fertilizers at the right time for the crop for maximizing productivity, quality, and yields.

* Most of farmers practice traditional farming patterns to decide on crops to be cultivated in a field. Based on analytics farmers can take better decisions for healthy crop production.

Estimate the crop yield using Data Analytics:

Social Impact:

- * Extreme weather events, such as periods of high temperature, heavy storms, or droughts, can severely disrupt crop production -

Business model / Impact:

- * Increasing innovation and productivity.
- * Reducing waste and improving profits.

Existing solutions:

- * <https://www.agremo.com/>

- * <https://kheti buddy.com/farming/>

Recommended Technology stack:

- * Cognos Analytics, Tableau, Data analysis with python, Power BI etc.

Airlines Data Analytics For Aviation Industry:

- * Air travel has been increasingly preferred among travelers, mainly because of its speed and in some cases comfort. This has led to phenomenal growth in air traffic and on the ground.

- * An increase in air traffic growth has also resulted in massive levels of aircraft delays on the ground and in the air. These delays are responsible for large economic losses.

- * It's important to provide better airline and airport services and avoid delays in air travel across different locations and promise to get passengers from location A to location B on time.

Data Analytics For DHL Logistics Facilities:

- * Logistics services are the value chain that links the manufacturer to the consumer.

- * Logistics are being transformed through the power of data-driven insights. This

data-driven approach is helping to make logistics activities smarter, faster, and more efficient.

- * DHL is an international umbrella brand and trademark for the Courier, Packages, Delivery, and express mail service.

Global sales data analytics:

- * sales refers to all activities involved in selling a product or service to a consumer or business.

- * It is important for sales and marketing teams to review their strategies and performance in order to make improvements. One way to measure performance is with sales analytics.

* Sales analytics refers to the use of technology to collect and use sales data to derive actionable insights. It is used to identify, optimize, and forecast sales. It uses different metrics and KPIs to plan an efficient sales model that generates higher revenue for the business.

Applied Data Science:

Car Resale Value Prediction:

* In recent years, the second-hand car industry in our country has been developing rapidly.

* However, a variety of negative factors that affect the healthy development of the industry are gradually emerging. Especially in the used car evaluation system.

* Providing a solution to this problem by identifying the right price would be beneficial for many.

cloud Application development.

* Personal Expense Tracker Application.

* Nutrition Assistant Application

* Skill / Job Recommender Application

* Plasma Donor Application

* Containment zone alerting Application

* Inventory management system for Retailers

* News Tracker Application

* Smart Fashion, Recommender Application

* Customer Care Registry

Use case 1: Personal Expense Tracker Application.

* All the financial decisions and activities

that you make are unable to keep a track of it -