Capstone Topics

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(PART 1)

Airlines Customer Satisfaction

- **Problem Statement** : To identify customer satisfaction for airlines to optimize flight services

- **Audience involved**

  1. **Airlines Management**: Airline management is responsible for overall business strategy and operational efficiency.

  2. **Customer Service Teams**: These teams directly interact with customers and handle complaints and feedback

  3. **Marketing and Sales Departments**: These departments focus on customer acquisition and retention. Insights from the predictive model can help tailor marketing campaigns, loyalty programs, and personalized offers to improve customer satisfaction and loyalty

Airlines Customer Satisfaction

- **Data source and format data , How much cleaning and munging will be required?**
  - Kaggle, CSV format, Converting all data into a consistent format & Handling Missing Values.

- **Potential challenges or obstacles and how to mitigate?**
  - To EDA, to refer with lots of example of data cleaning

- **Success metric**
  - Classification, with desired 80% accuracy

- **Is this a reasonable project given the time constraints that you have?**
  - Yes

Diabetes Disease

- **Problem Statement** : To identifying patients who may be at risk of developing diabetes with various factors of developing diabetes.

- **Audience involved**

    1. **Healthcare Providers:** To improve diagnosis, treatment, and management strategies for young patients with diabetes.

    2. **Public Health Officials and Policymakers**: To develop targeted public health interventions and policies.
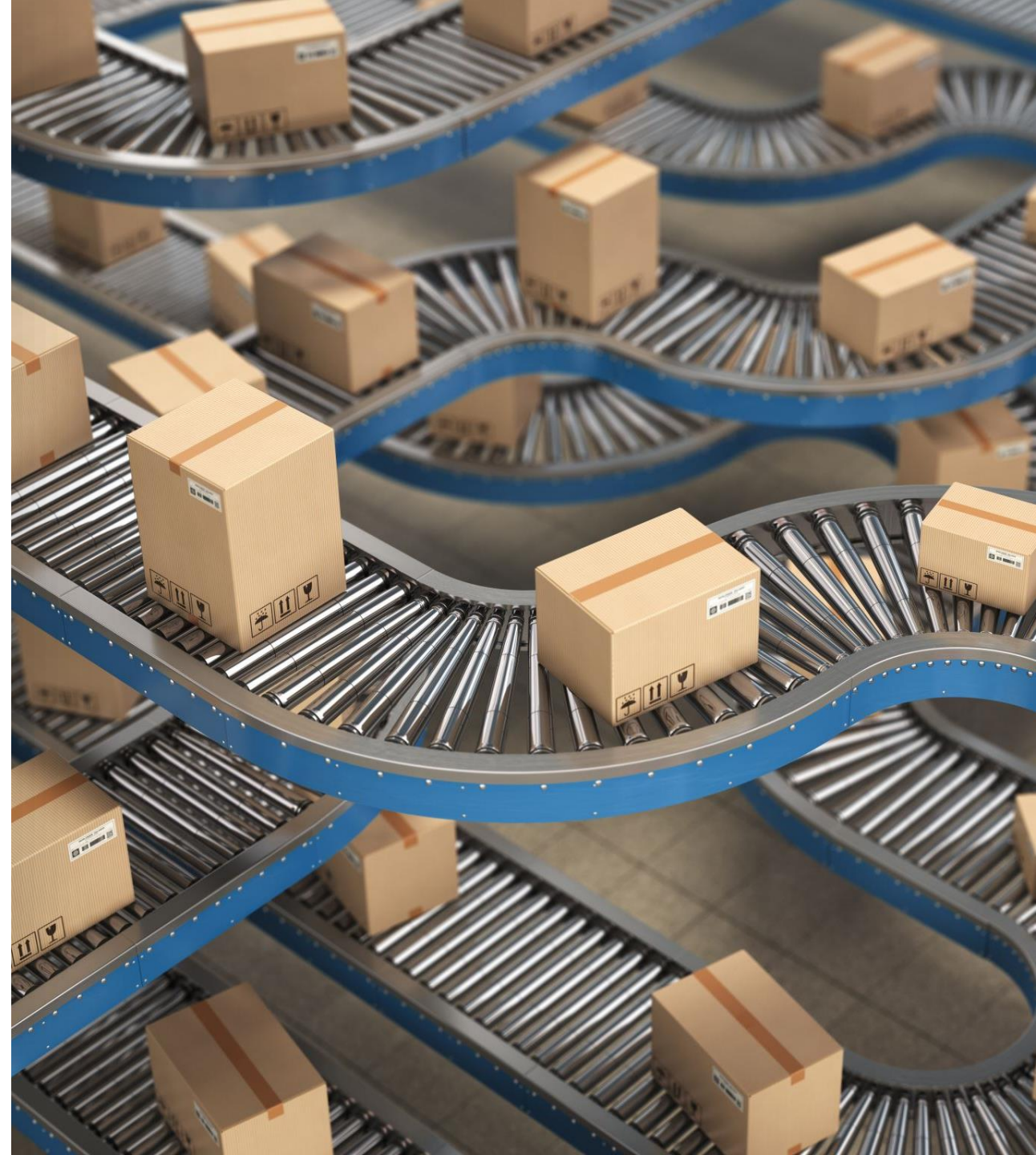
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Shipping logistic

- **Problem Statement** : To identify the on time delivery for customer by logistic shipment company.

- **Audience involved**
    1. **Logistics Management Team:** To oversees the day-to-day operations of shipping and delivery, including route planning, carrier selection, and performance monitoring.
    2. **Customer Service Team:** This team interacts directly with customers, addressing their concerns, complaints, and feedback.
    3. **Finance Department**: To manage the company's financial health, including budgeting, cost control, and financial planning.

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