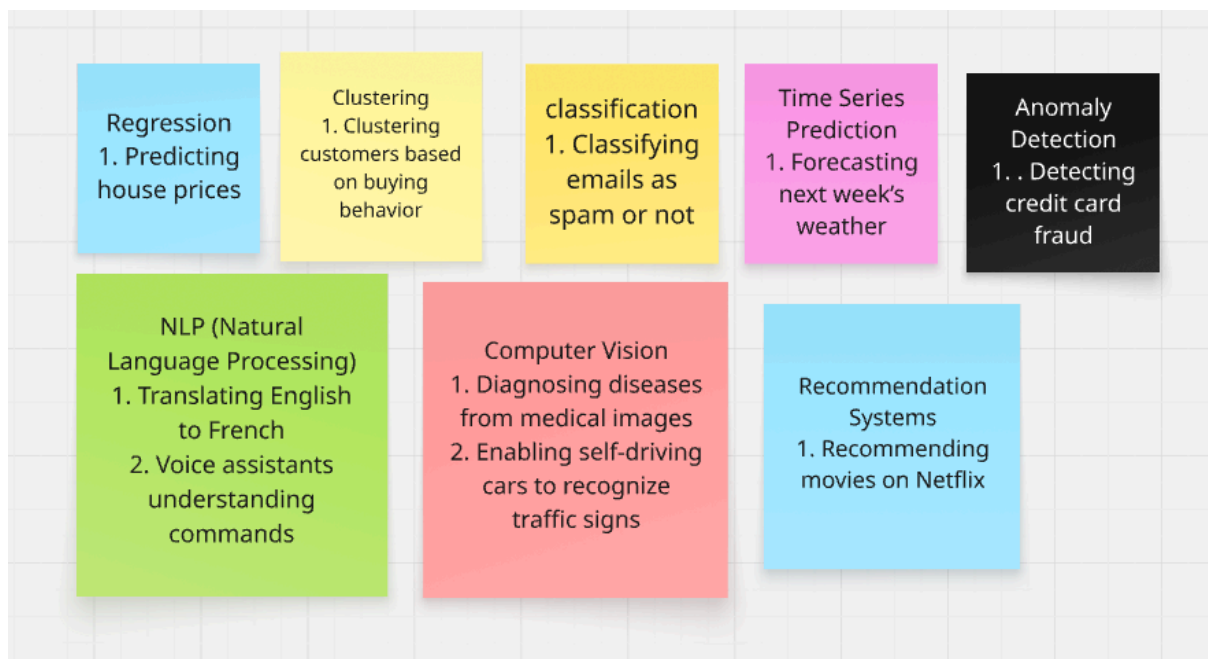


1. ML Problem Detective

- a. Youtube- Recommendation Systems: Suggests videos based on watch history and user behaviour.
- b. Instagram- image recognition and ranking algorithm: curates feed, suggests reels, detects content.
- c. Google maps- predictive modeling: estimates travel time using historical traffic data and live updates.
- d. Spotify – Collaborative Filtering: Curates daily mixes and recommends songs based on listening habits.
- e. Amazon – Customer Segmentation & NLP: Recommends products and ranks reviews using ML.

2. Scenario Sorting:



3. ML Ethics Minute (Example: Facial Recognition)

- a. **For:** Facial recognition enhances public safety by helping law enforcement quickly identify suspects.
- b. **Against:** It invades privacy and can perpetuate racial bias due to flawed training datasets.