

Supervised Learning Ideas:

1. Weather prediction.
2. Sales prediction
3. Breast Cancer prediction
4. Spam Email Detection
5. Customer Churn Prediction

Unsupervised Learning Ideas:

1. Grouping people according to their likes on movie platforms.
2. According to the group of people recommending them movies/product.
3. Clustering the products which are sold together mostly on e-commerce platforms. Clustered products also could be recommended to a buyer together. (Basket Analysis)
4. Grouping people according to the medical checks may be healthy or not, or heart disease. Classifying them according to their health.
5. Fraud Detection in Financial Platform – Identifying abnormal transactions

Reinforcement Learning Ideas:

1. Coffee making Robots
2. Autopilot functions in cars
3. Robotic Dogs trained
4. (May be) Bots in games like Counter Strike (trained to kill each other)
5. Agents that can play chess, which were trained with penalties and rewards for each movement