**Class #25: K-Nearest Neighbors and Logistic Regression with Scikit-learn**

**1. Theory behind binary logistic regression.**

**2. Algorithm of binary logistic regression.**

**3. Hands-on with a binary logistic regression model.**

**4. Understanding K-Nearest Neighbors (KNN) theory.**

**5. Algorithm of K-Nearest Neighbors.**

**6. Pen-and-paper exercise for K-Nearest Neighbors.**

**7. Hands-on with K-Nearest Neighbors.**

**8. Project overview: K-Nearest Neighbors.**

**9. Solutions to the K-Nearest Neighbors project. Assignment #25:**

**4. Understanding K-Nearest Neighbors (KNN) theory.**

Supervised Learning KNN use হয় ।

KNN classification করে । distance কম হলে সে Group এ যাবে ।

Text type ডেটা থাকলে encoding করতে হয় ।

Accuracy কম হলে, data frame এ outlaier এ remove করতে scaling হয় ।

StandardScaler() Much Data

MinMaxScaler() More Data

Logistic Regression: