Today's Agenda:

- Quick Recap
- ML Mind Map
- Preprocessing for ML
- Used Cars Price Precition
- Rowad Dataset Cleaning and Preprocessing for ML

Mechine Plarning

1M = 100 x [M = 7 1m, 100 CM, rull? C[255] Li(alian Regists 500 (Targe)
Continus (tito CT) Callor VI Col

Reg/1551/00 Simple linear regression 9-10, X)
Multiple linear tegression J=0 7 7 7 9-6+ 0, x+ 02 x

Solve for O Copernary le st squares) J= O+ O, X Anlytical Solution

Normal Equation $J(\theta) = \frac{1}{2}\left(\sqrt{y}\right)$ G = (X, X)

X: Larning rate

SG (J(G)): Direction

y= 0, +9x+B2X2+O3X3+OuX9

Under Fitting VS CN4 Fitting

Evaluation Metrics (Rapression) $R = \frac{1}{2}$ MSE => Value

2 (a/1°09) Handard Scaler Robust Scaler Min Max SCally X = Xi - Xmis Xakl X nax - Xmin Xscoled Xi - Xmedian X = Xi - Xmedian X scald X - XQ - XQ, Robust Lo Ocillians Not Robert La octions

Cool hot Encoder Chall hall C. C. COLCE Lys, Colder-mode Jan 1 Jen al C