

Part 1/3:

Loss Function Design

1. Role and Importance of Loss Functions
2. Regression Losses - MSE, MAE, Huber
3. Classification Loss - Cross-Entropy
4. Hinge Loss and SVM
5. Focal Loss - Class Imbalance
6. Contrastive Loss
7. Triplet Loss
8. Regularization Terms (L1, L2, L1+L2)
9. Custom Loss Function Design