

Interpretation - KNN Embeddings Analysis

- 1) Cosine distance outperforms Euclidean in AUC, F1, Top-1 and Top-3. This suggests embedding direction is more important than magnitude.
- 2) Best k found is 15 for both distances - favors smoothing and robustness.
- 3) High AUC (~0.95-0.96) indicates strong separability in the embedding space overall.
- 4) F1 (macro) lower than AUC indicates issues with minority classes; consider balancing methods.
- 5) Top-3 accuracy > 0.94 is valuable for candidate-ranking use-cases.