Concept Map Entropy C4.5 Algorithm ID3 Gini Impurity Gini Index Algorithm CART Algorithm Ranking & Mean Squared Recommendation Error (MSE) Methodology Classification Regression Usage Splitting Criteria Image **Decision Tree** Analysis Risk Assessment Drawbacks Benefits Versatility Overfitting Handles missing (Greedy nature) values Instability Baised towards Ensemble Unrelaible for (Interpretability) dominant methods Handle mix extrapolation data