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Topic Modeling - Auto Classifier

Intelligent Text Classification with Machine Learning

STEP 4/5: Training Execution & Monitoring

Training Control:

START TRAINING

PAUSE

STOP

RESET

Comprehensive evaluation completed successfully!

Phase

Completed

Model

All Models

Status

Completed

Real-time Metrics:

Combinations Evaluated

15/15

Current Accuracy

0.00%

Best Accuracy

0.00%

Cache Management

Training Log

Model

knn_embeddings

F1 Score

0.908

Detailed Results Table

Model	Embedding	CV Accuracy	Test Accuracy	Precision	Recall	F1 Score	Overfitting	Training Time
Knn	Bow	0.535±0.004	0.852	0.851	0.852	0.849	High Overfitting - 0.149	431.31
Knn	Tfidf	0.852±0.002	0.861	0.860	0.861	0.859	Good Fit - 0.049	401.39
Knn	Embeddings	0.905±0.001	0.909	0.908	0.909	0.908	Good Fit - 0.028	22.92
Decision Tree	Bow	0.750±0.002	0.757	0.758	0.757	0.757	High Overfitting - 0.250	491.32
Decision Tree	Tfidf	0.741±0.001	0.745	0.746	0.745	0.746	High Overfitting - 0.259	464.05
Decision Tree	Embeddings	0.770±0.001	0.772	0.771	0.772	0.772	High Overfitting - 0.229	731.43
Naive Bayes	Bow	0.883±0.002	0.883	0.884	0.883	0.883	Good Fit - 0.008	0.29
Naive Bayes	Tfidf	0.886±0.003	0.887	0.887	0.887	0.886	Good Fit - 0.008	0.17
Naive Bayes	Embeddings	0.831±0.002	0.832	0.842	0.832	0.834	Good Fit - 0.000	3.11
Kmeans	Bow	0.499±0.034	0.524	0.530	0.524	0.479	Good Fit - -0.001	232.80

Download Results CSV

Next Step: Proceed to Step 5 to analyze and export results!

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