



Jupyter KNN Last Checkpoint: 11 minutes ago

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JupyterLab ☐ # Python 3 (ipykernel) ○
      y_pred = knn.predict(X_test)
      # 5. Evaluate
      accuracy = accuracy_score(y_test, y_pred)
      print("Accuracy:", accuracy)
      Accuracy: 1.0
 [9]: # 2. Split into train/test
      X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.3, random_state=42)
      # 3. Create KNN model with k=3
      knn = KNeighborsClassifier(n_neighbors=3)
      knn.fit(X_train, y_train)
      # 4. Predict
      y_pred = knn.predict(X_test)
      # 5. Evaluate
      accuracy = accuracy_score(y_test, y_pred)
      print("Accuracy:", accuracy)
      Accuracy: 1.0
[10]: # 2. Split into train/test
      X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.4, random_state=42)
      # 3. Create KNN model with k=3
      knn = KNeighborsClassifier(n_neighbors=3)
      knn.fit(X_train, y_train)
      # 4. Predict
      y_pred = knn.predict(X_test)
      # 5. Evaluate
      accuracy = accuracy_score(y_test, y_pred)
      print("Accuracy:", accuracy)
      Accuracy: 0.9833333333333333
[12]: #Train KNN with 4 neighbors
      knn = KNeighborsClassifier(n_neighbors=4)
      knn.fit(X_train, y_train)
```

Truste

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