



# SP-105 AIME Explainer

Visualizing Black-Box Models with SHAP



## Step 1: Train Model

Train a Random Forest classifier on the Iris dataset

Train Model

✓ Model Trained Successfully!

**Accuracy:** 100.00%

**Training samples:** 120

**Features:** 4



## Step 2: Generate SHAP Explanations

View global feature importance using SHAP values

Generate SHAP Plot

✓ SHAP Explanations Generated!

**Samples explained:** 30

### Feature Importance:

petal length (cm)

20.29%

petal width (cm)

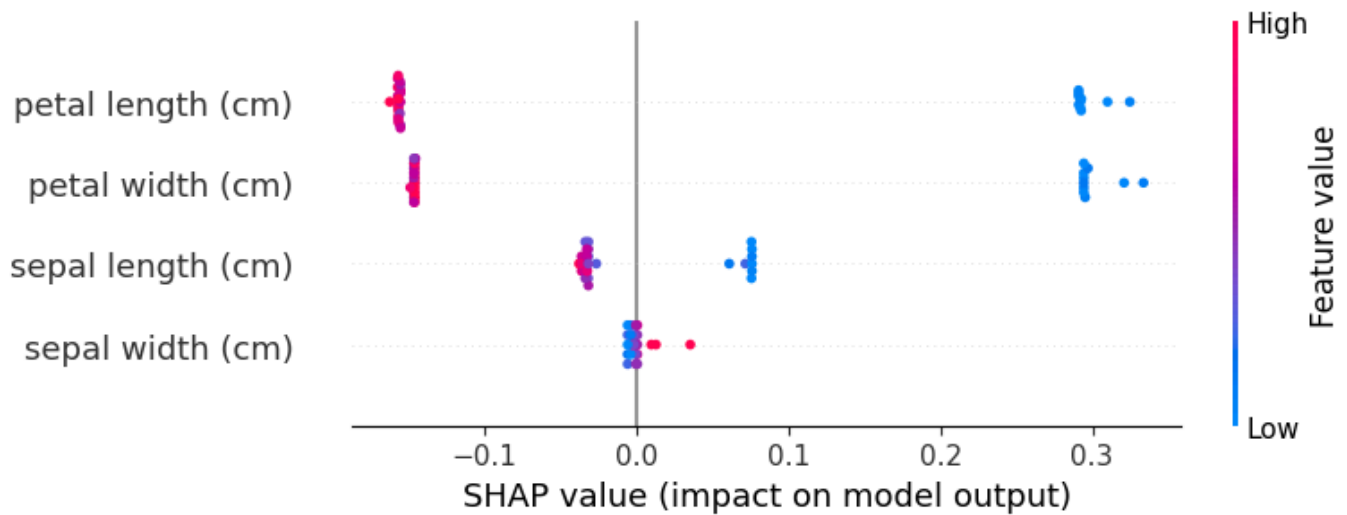
19.76%

sepal length (cm)

4.38%

sepal width (cm)

0.41%



### Step 3: Explain Single Prediction

See SHAP force plot for individual prediction

Select Instance (0-29):

Explain Instance

✓ Instance Explanation Generated!

Predicted Class: 1

99.0% Class 1

1

