**Critical Thinking 6**

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**Naive Bayes Classifier**

##### I have attached a Naive Bayes classification script using scikit-learn in Python which uses the GaussianNB model.

### Instructions for Testing

1. Install Python 3 if you haven't already.
2. Install required libraries: **pip install pandas scikit-learn**
3. Run the script: **python naive\_bayes\_classifier.py**

This will print a table showing each prediction, the actual value, and the model's estimated probability for both classes (0 and 1), along with accuracy and a classification report.

Here is a sample output:  
