**Classification Assignment Report**

* **Identify your problem statement:**

Client requirement is he want to predict the chronic kidney disease (CKD), Classification is the output, so have clear requirement it’s belongs to supervised machine learning

**Three Stages**

• Machine Learning- numbers

• Supervised Machine Learning – requirement is very clear

• Classification – output is continuous values

* **Tell basic info about the dataset**

Rows: 399

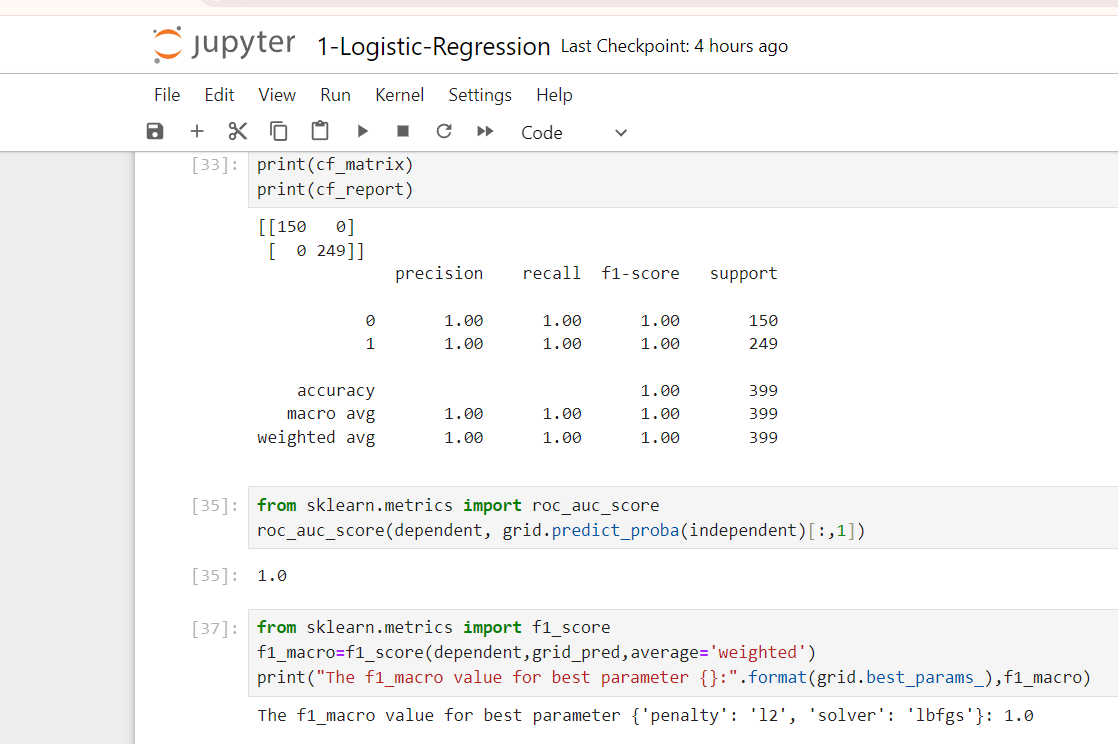
Columns:28

Output variable: Classification

* **Mention the pre-processing method if you’re doing any (like converting string to number – nominal data)**

Pre-processing method is Nominal data (one hot encoding) because input contains text, we are using get\_dummies method and the parameters we are passing dataset, dtype=int, drop\_first=true

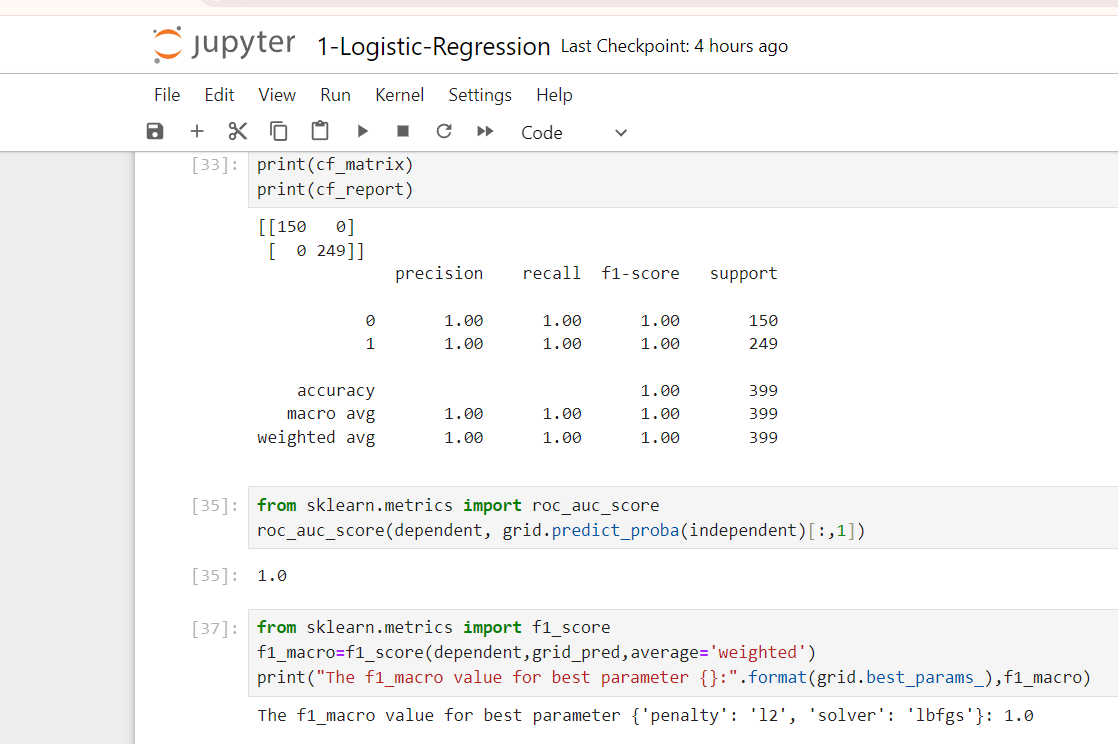
* **All the research values of each algorithm should be documented. (You can make tabulation or screenshot of the results.)**

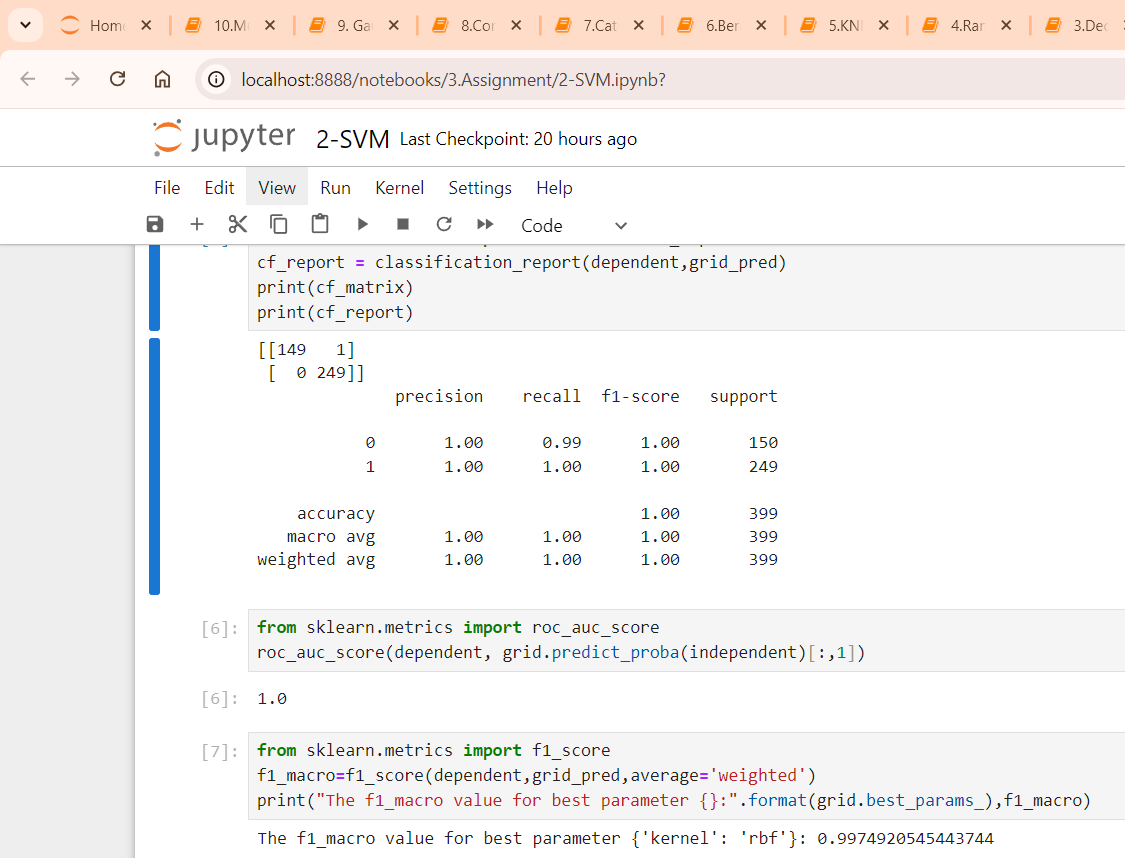
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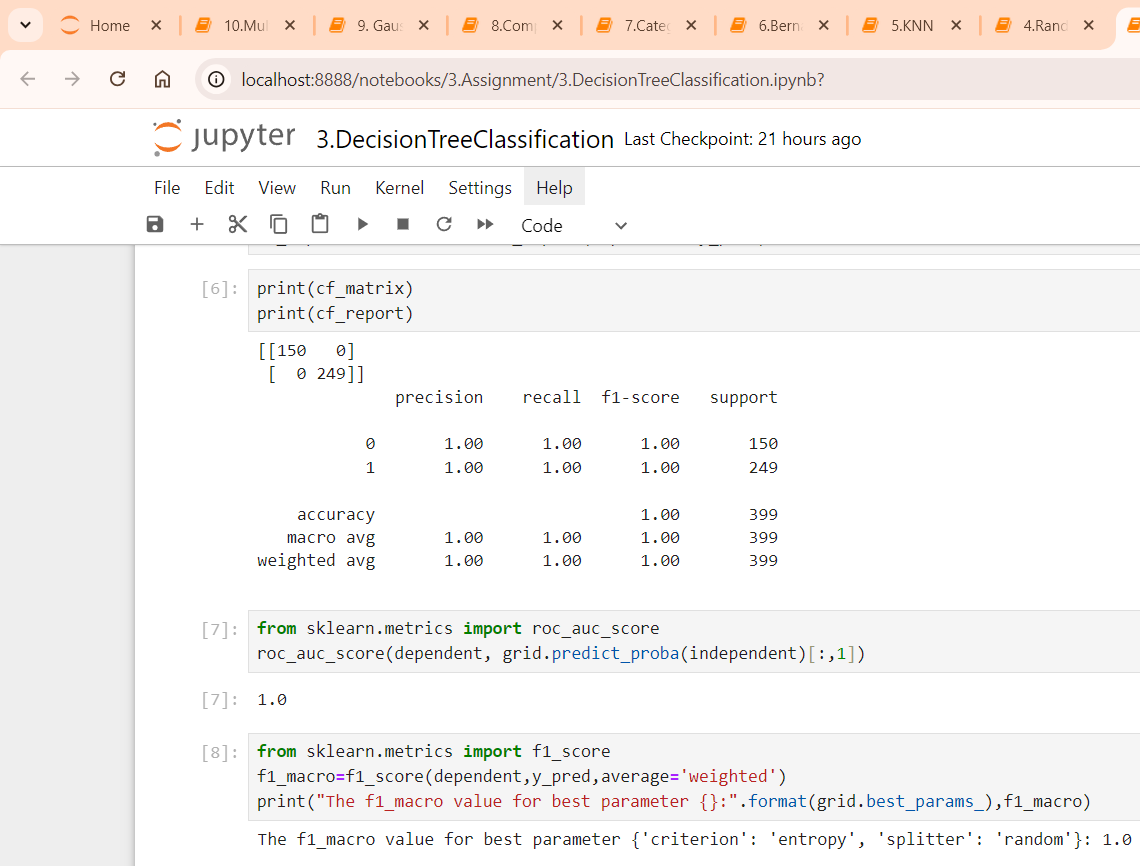
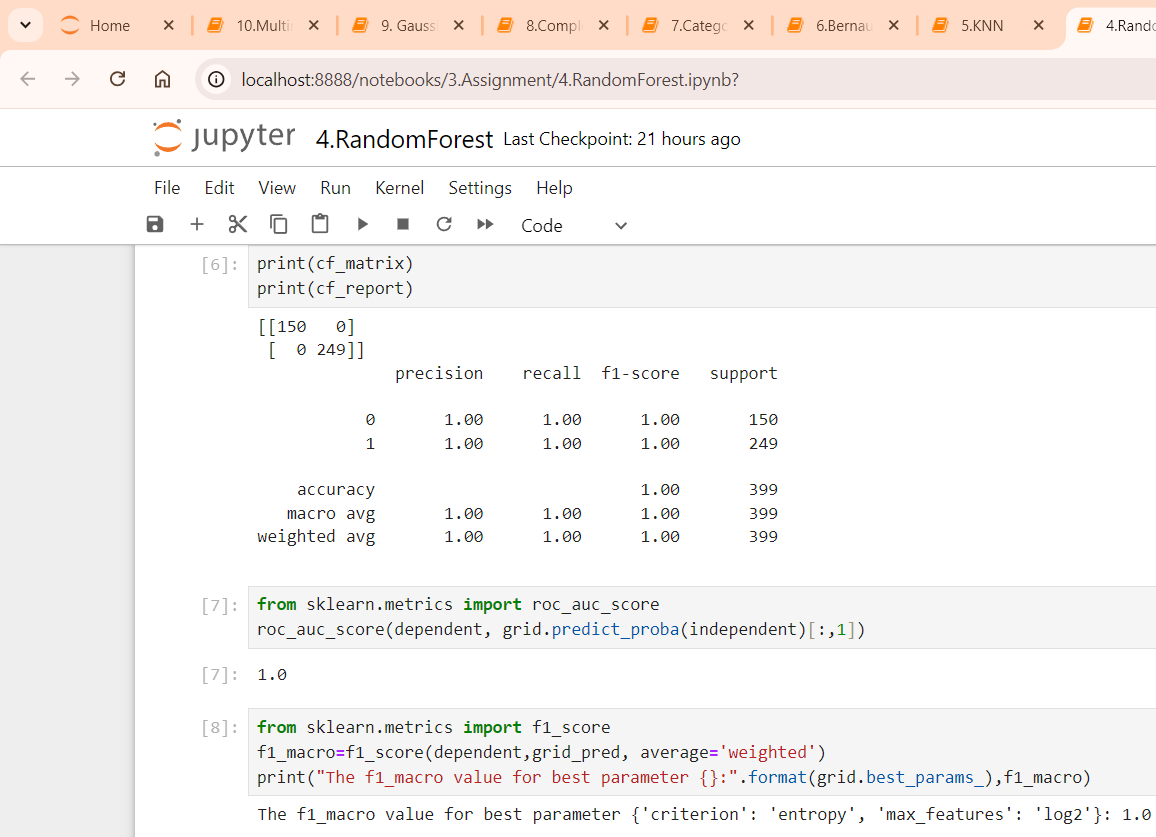
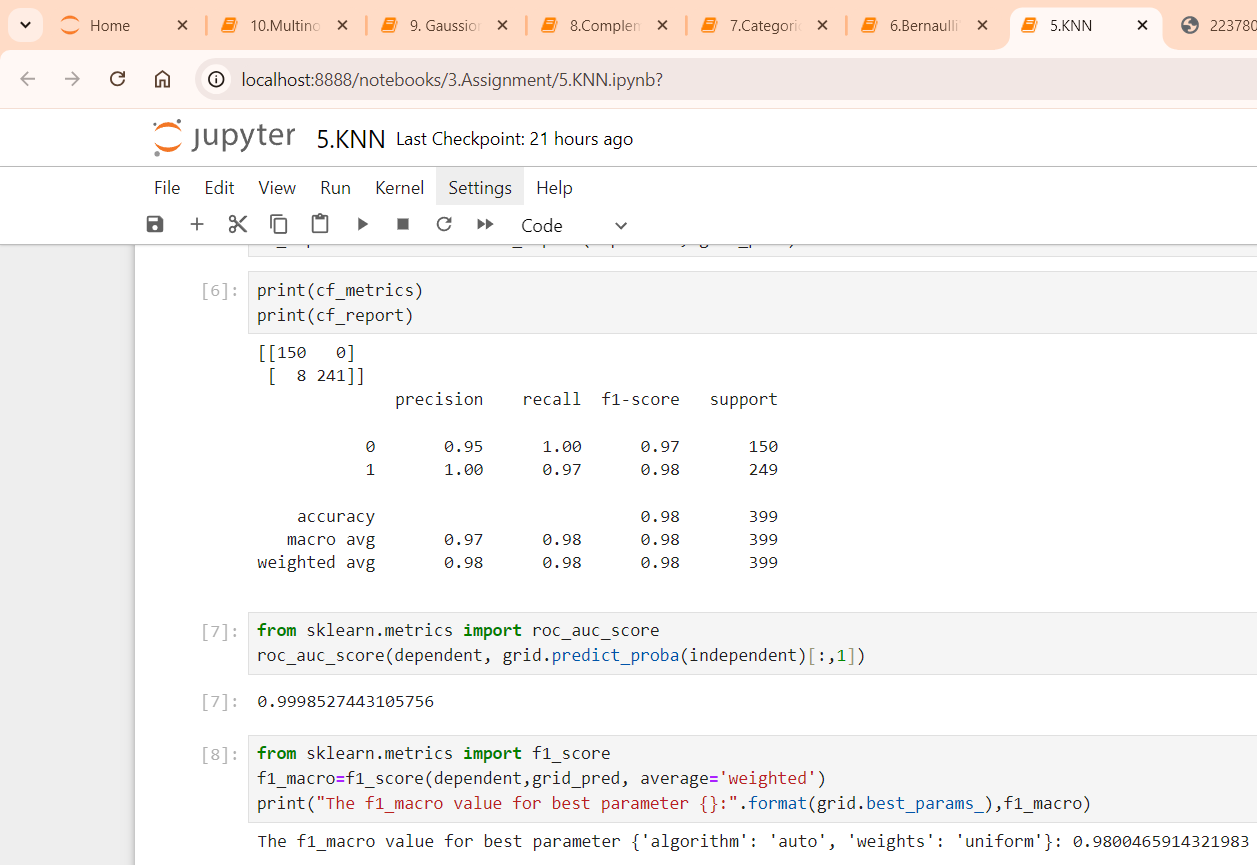
* **Mention your final model, justify why u have chosen the same**

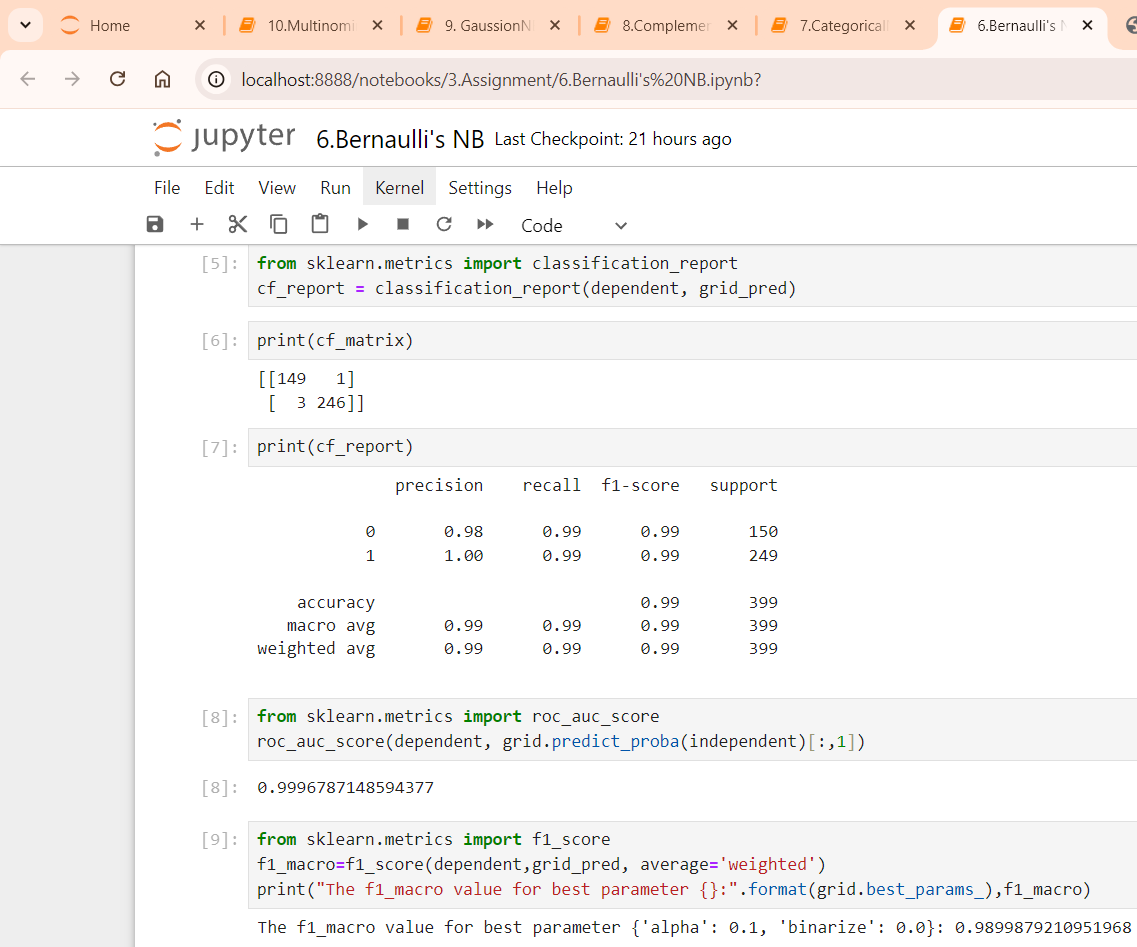
Final model is logistic-regression because the “roc\_auc\_score” 1.0, and accuracy is 100%

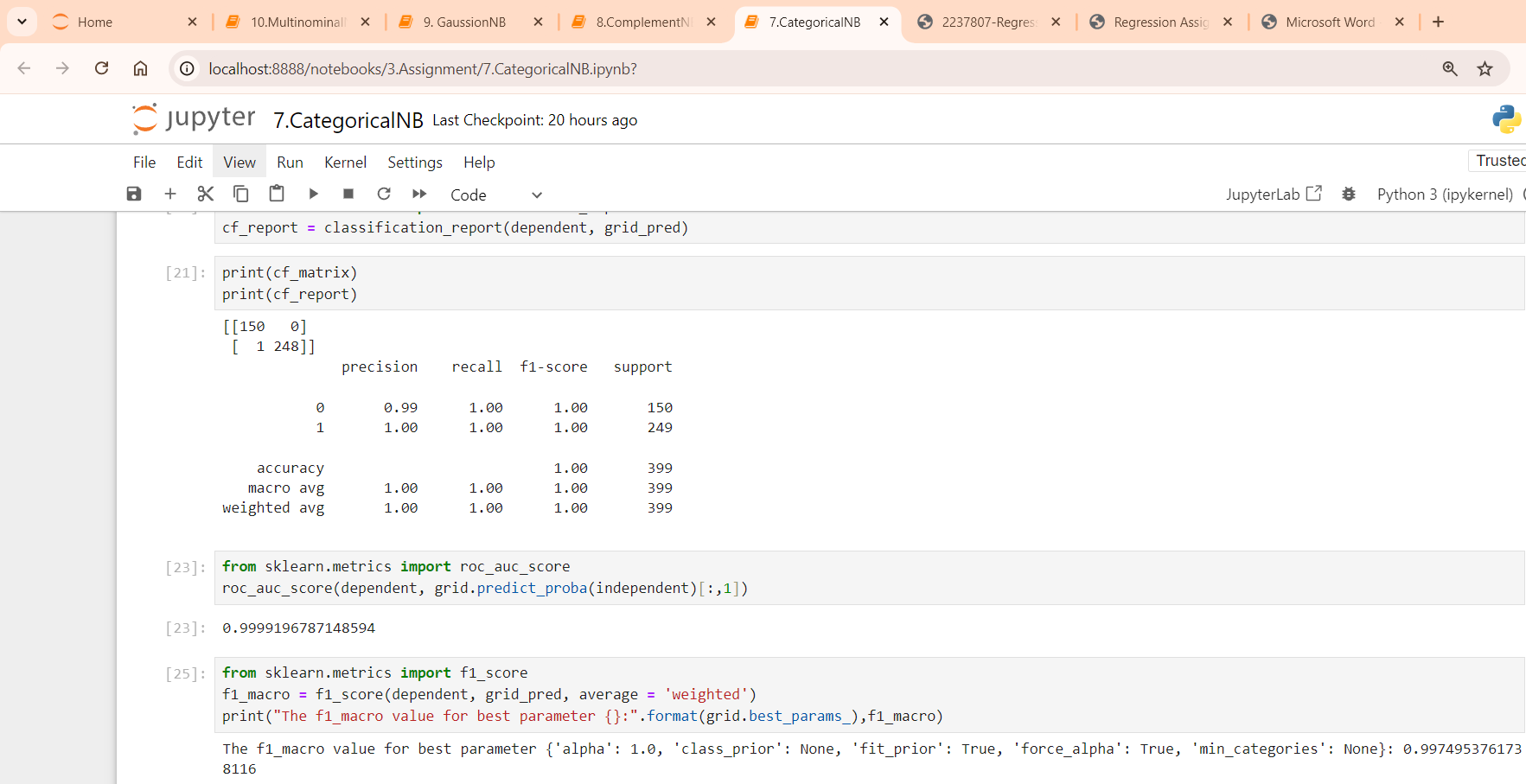
**Complete report for all algorithms:**

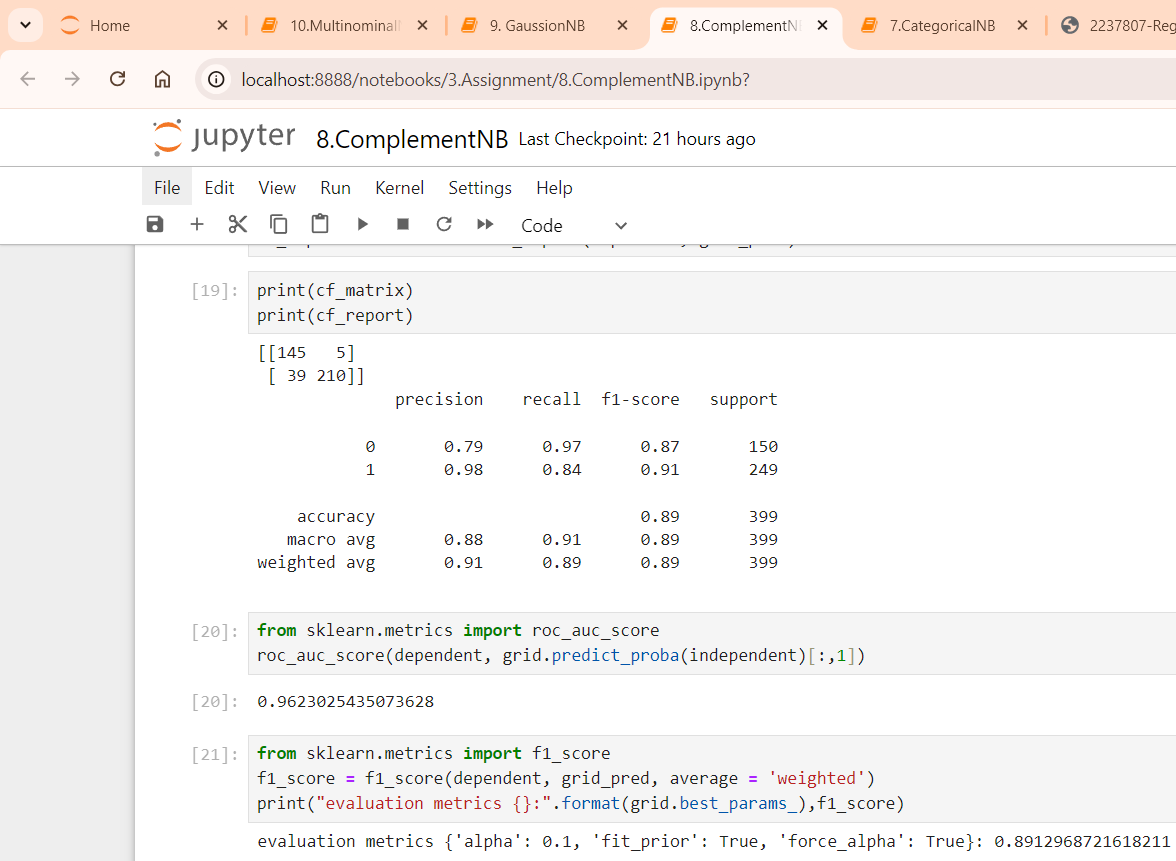
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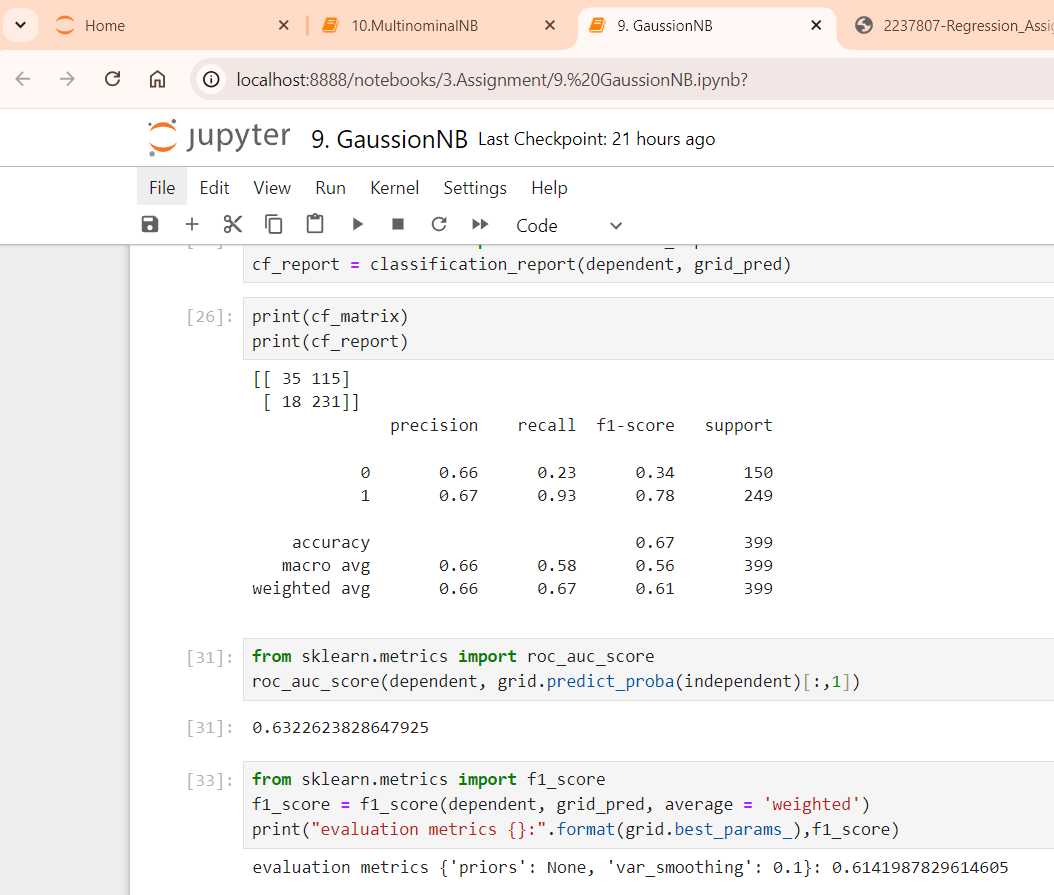
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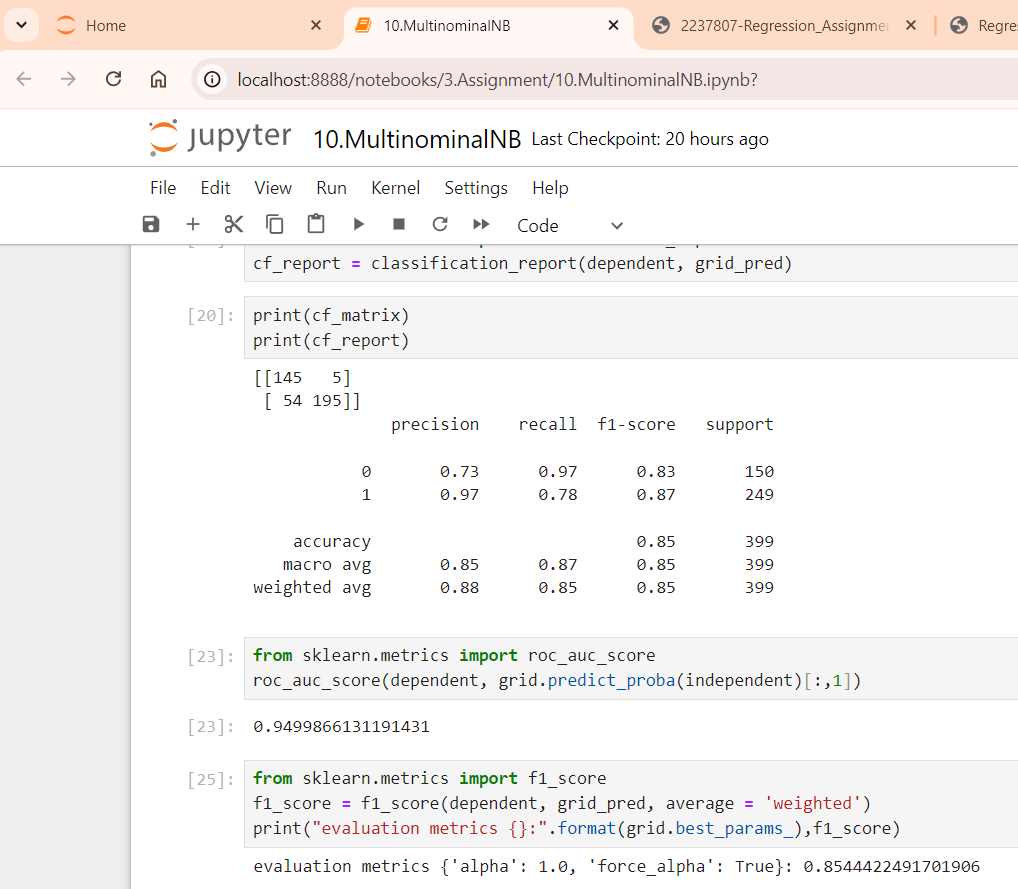
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