**MACHINE LEARNING FILE**

**NAME: SHRUTI GUPTA**

**CLASS: CSE-3**

**ROLL NO.-41476802717**

**EXPERIMENT-1**

**Problem Statement**

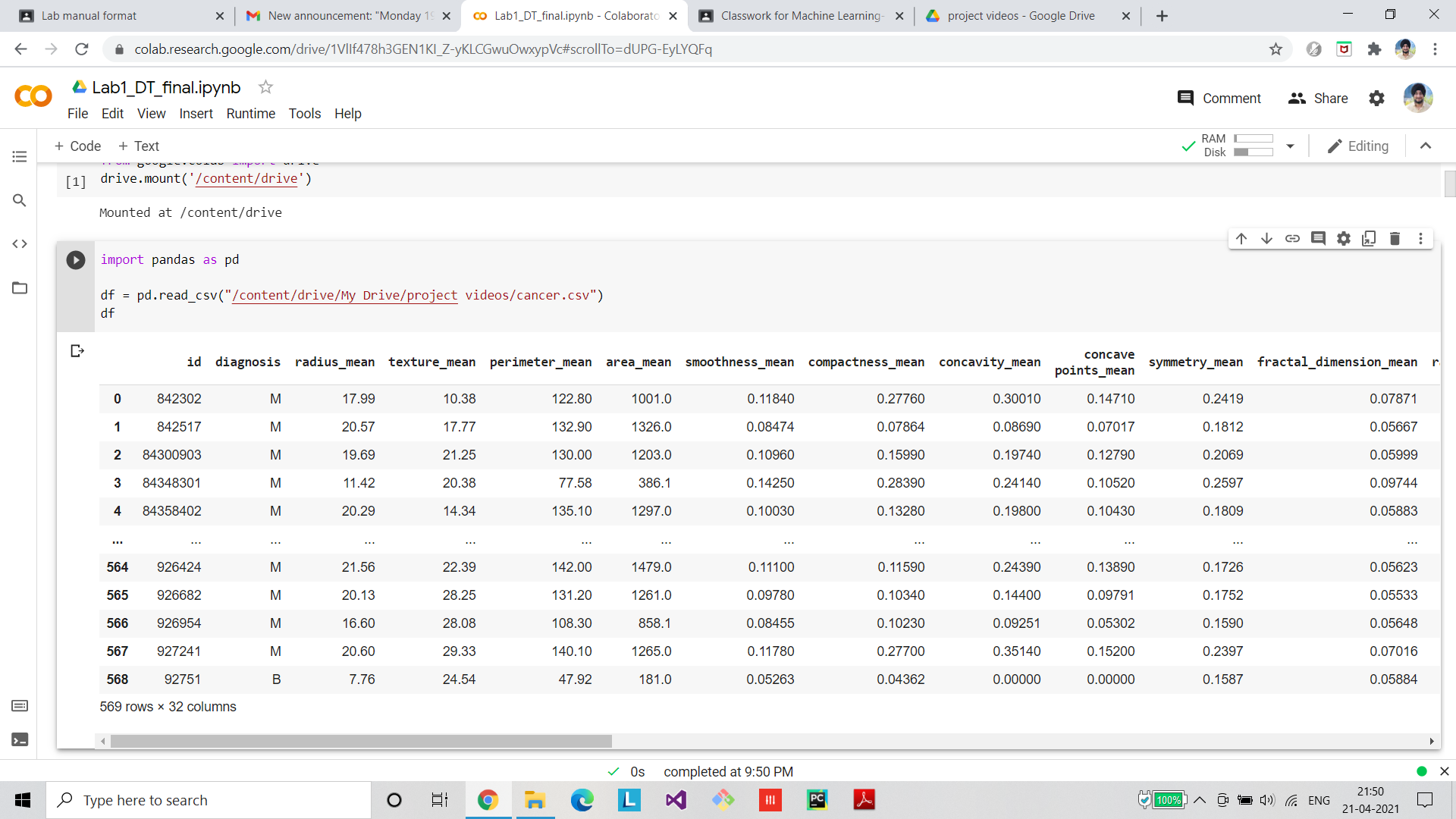
Implementation of decision tree on a breast cancer dataset using sklearn in python.

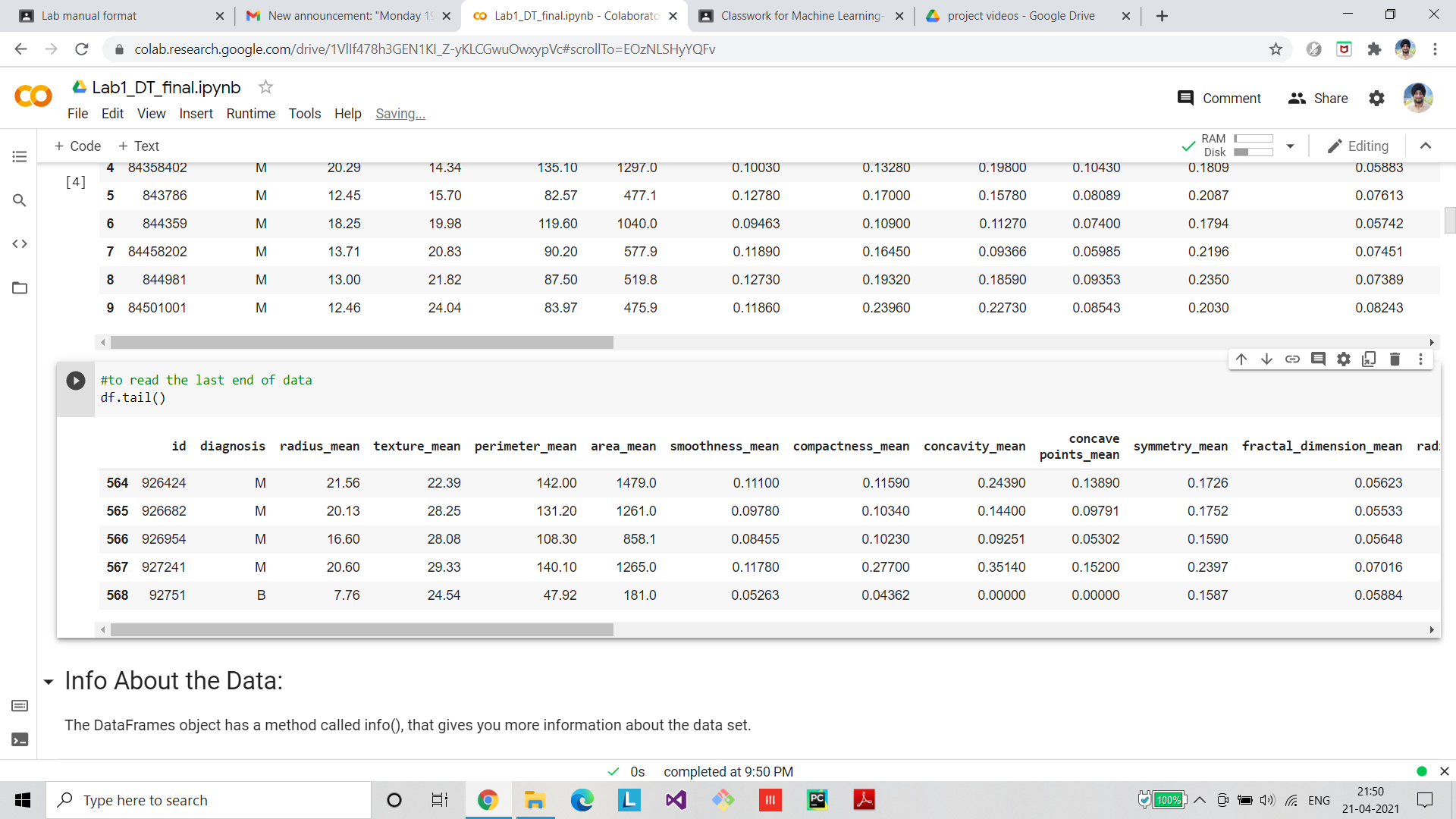
**Github Link**

[**https://github.com/Shrutiiig/ML-Assignmnets-Gtbit/tree/master/Decision%20Tree%20-%20Breast%20Cancer**](https://github.com/Shrutiiig/ML-Assignmnets-Gtbit/tree/master/Decision%20Tree%20-%20Breast%20Cancer)

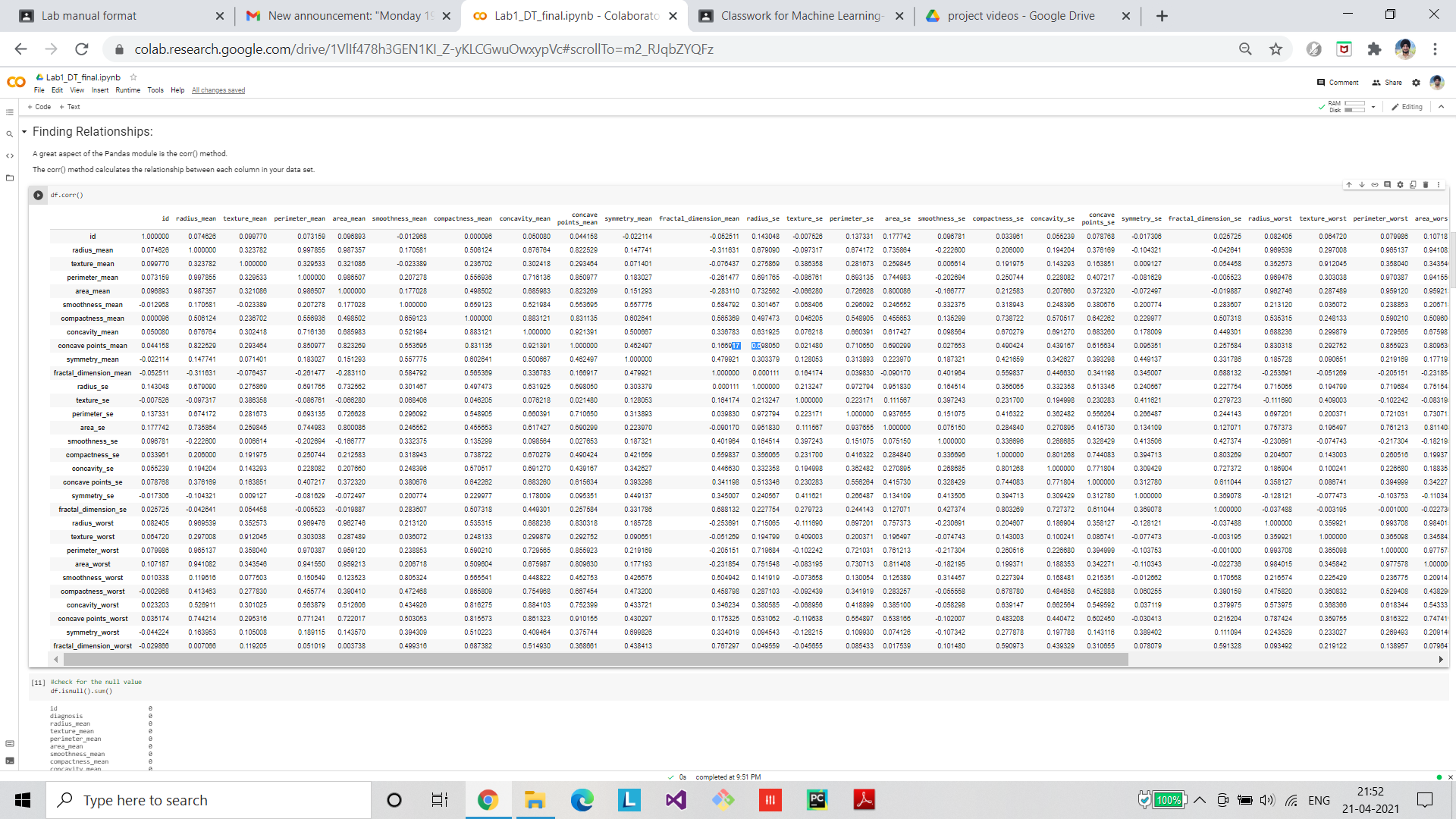
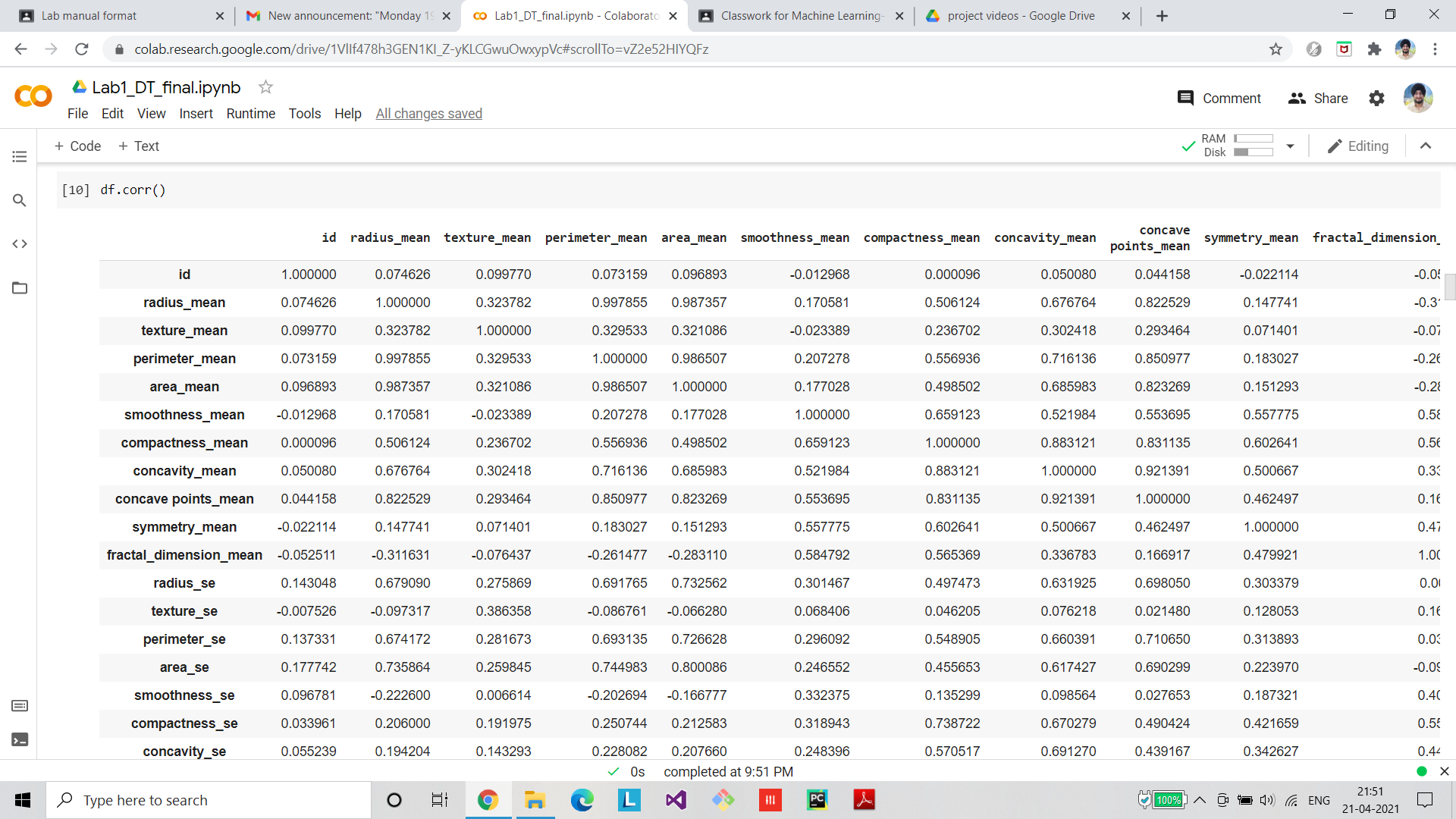
**Program Code Snippet**

**Loading Dataset**

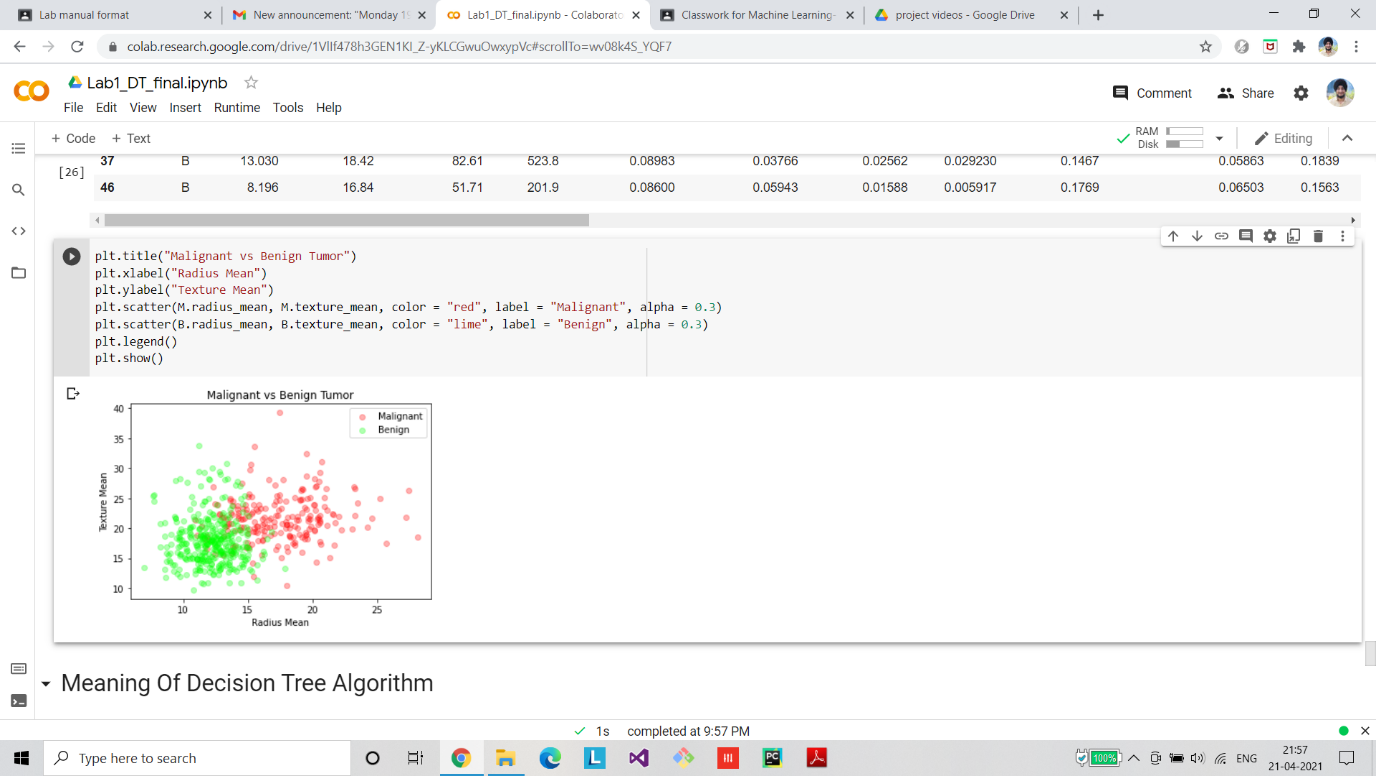
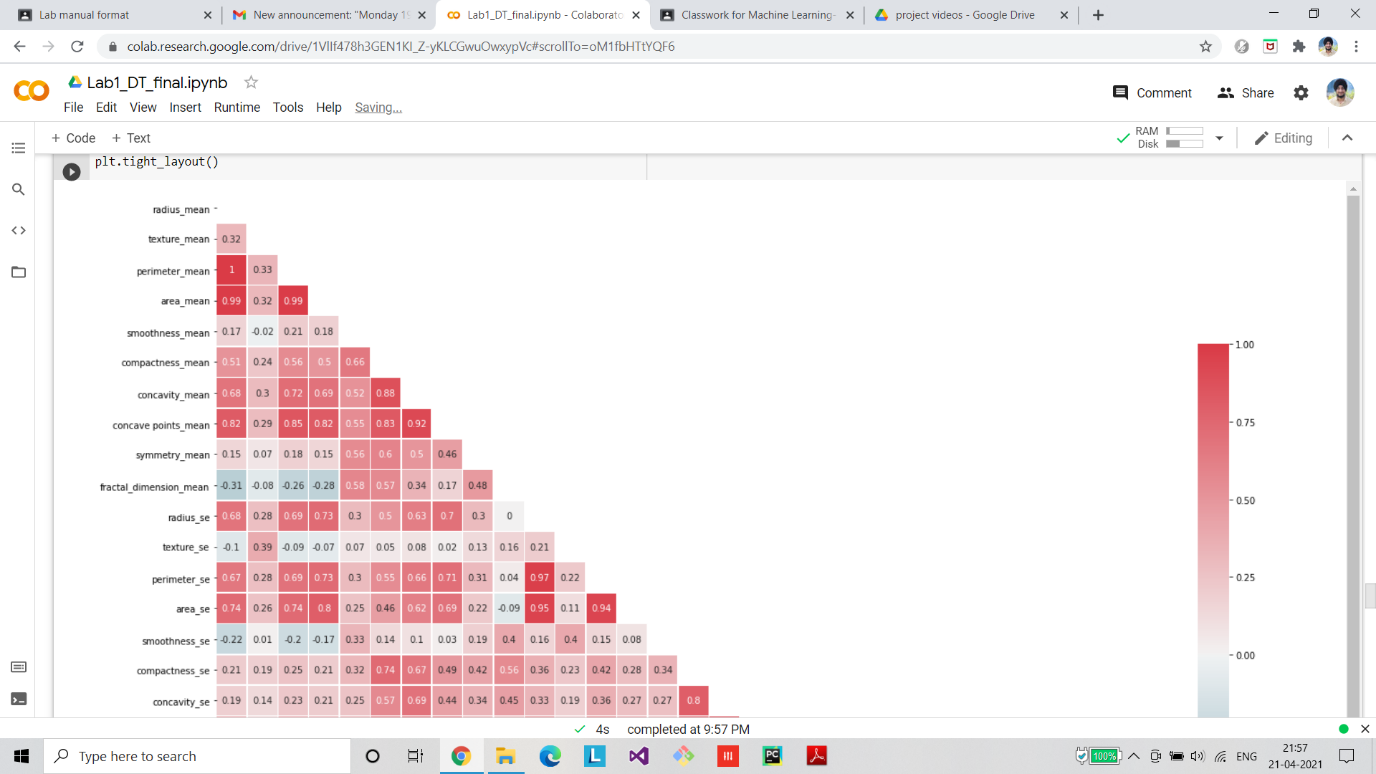
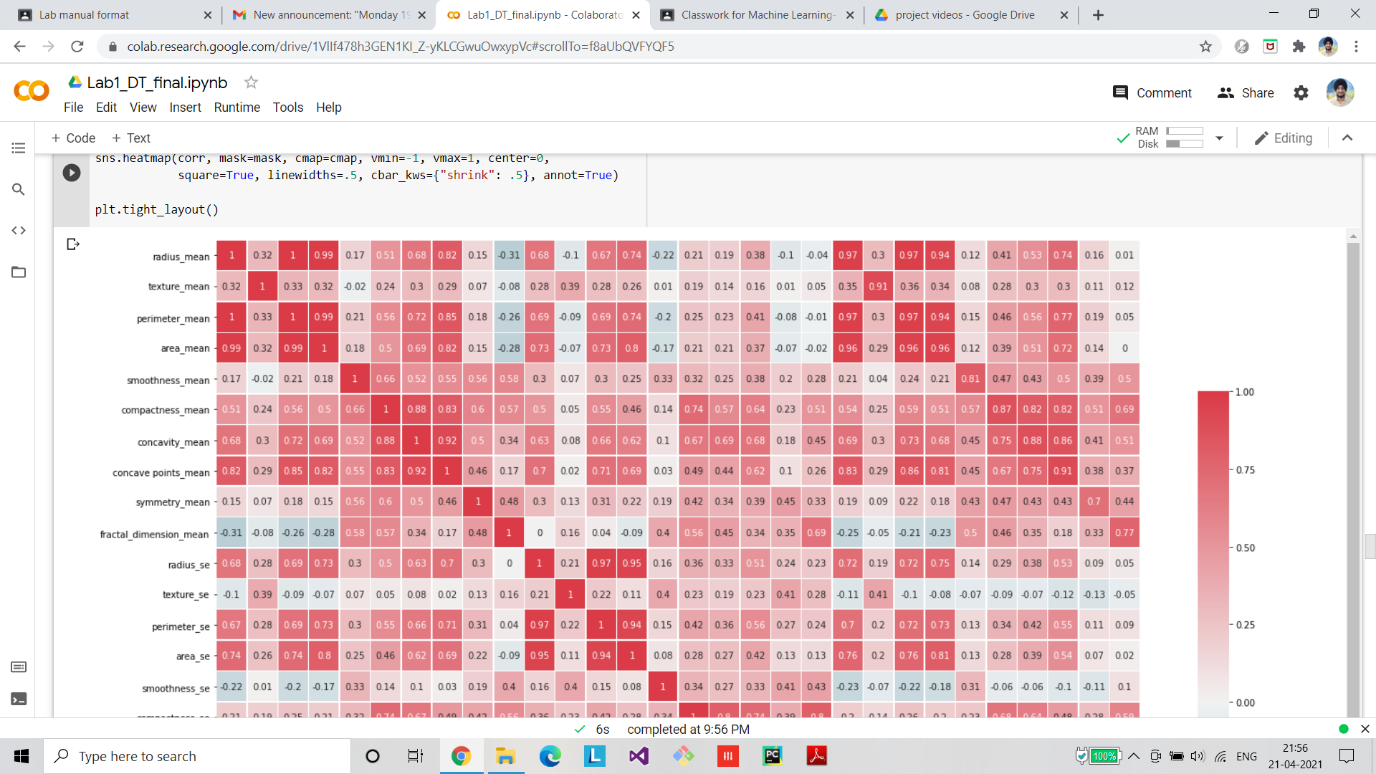
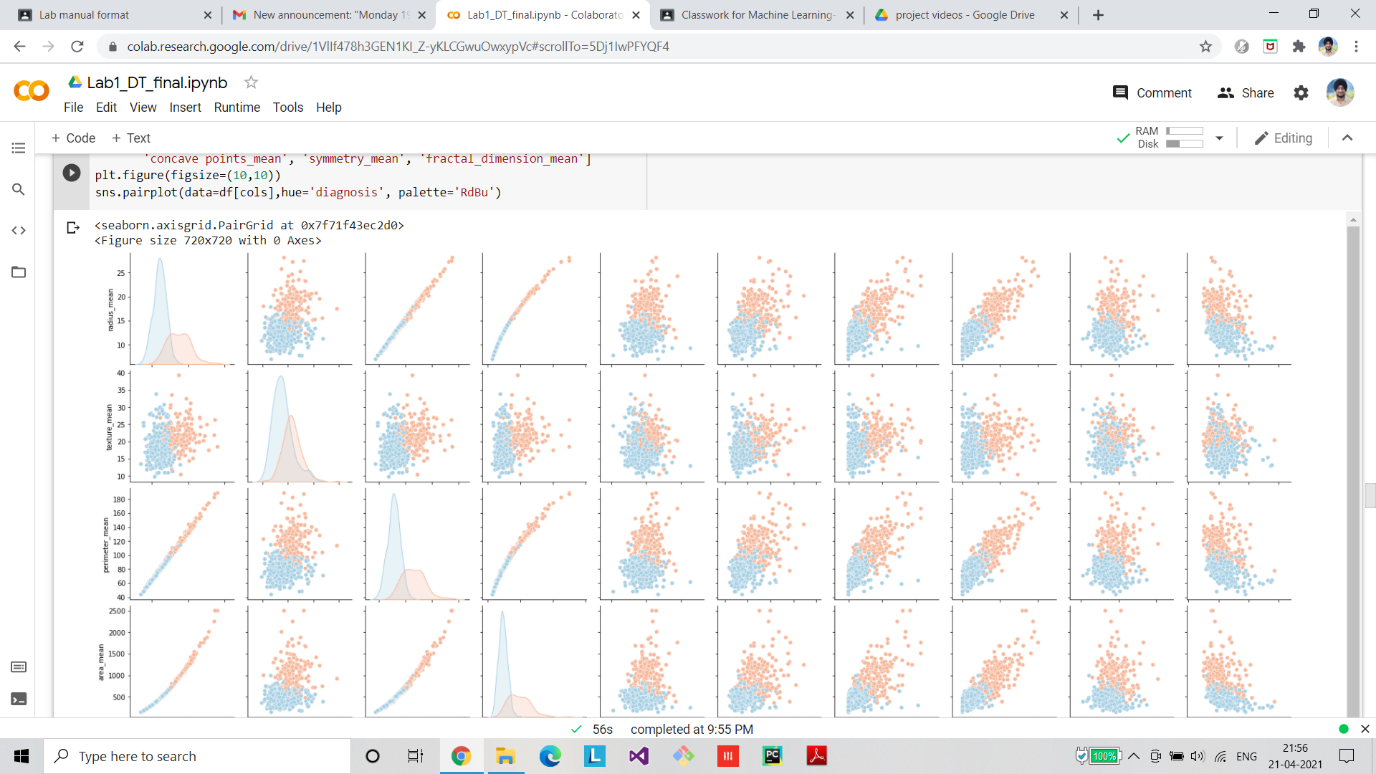
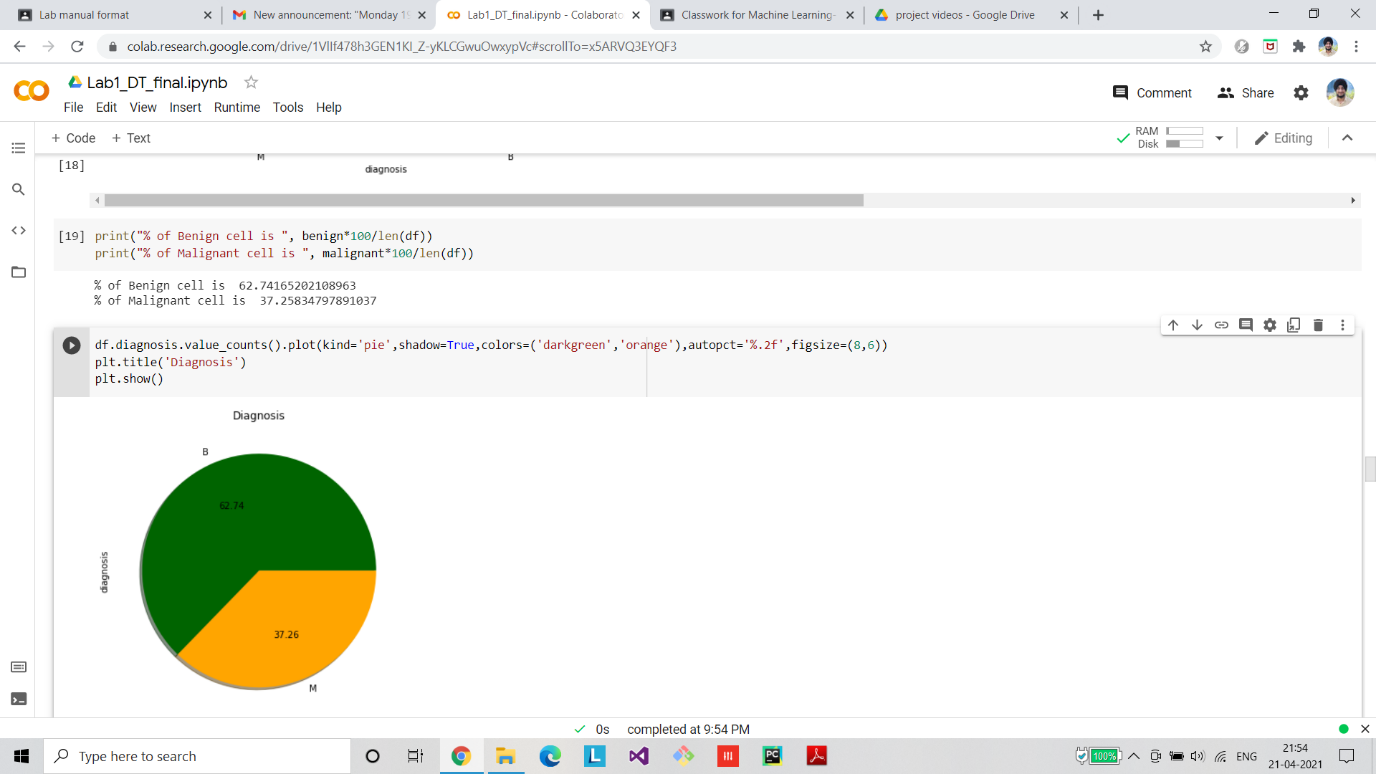
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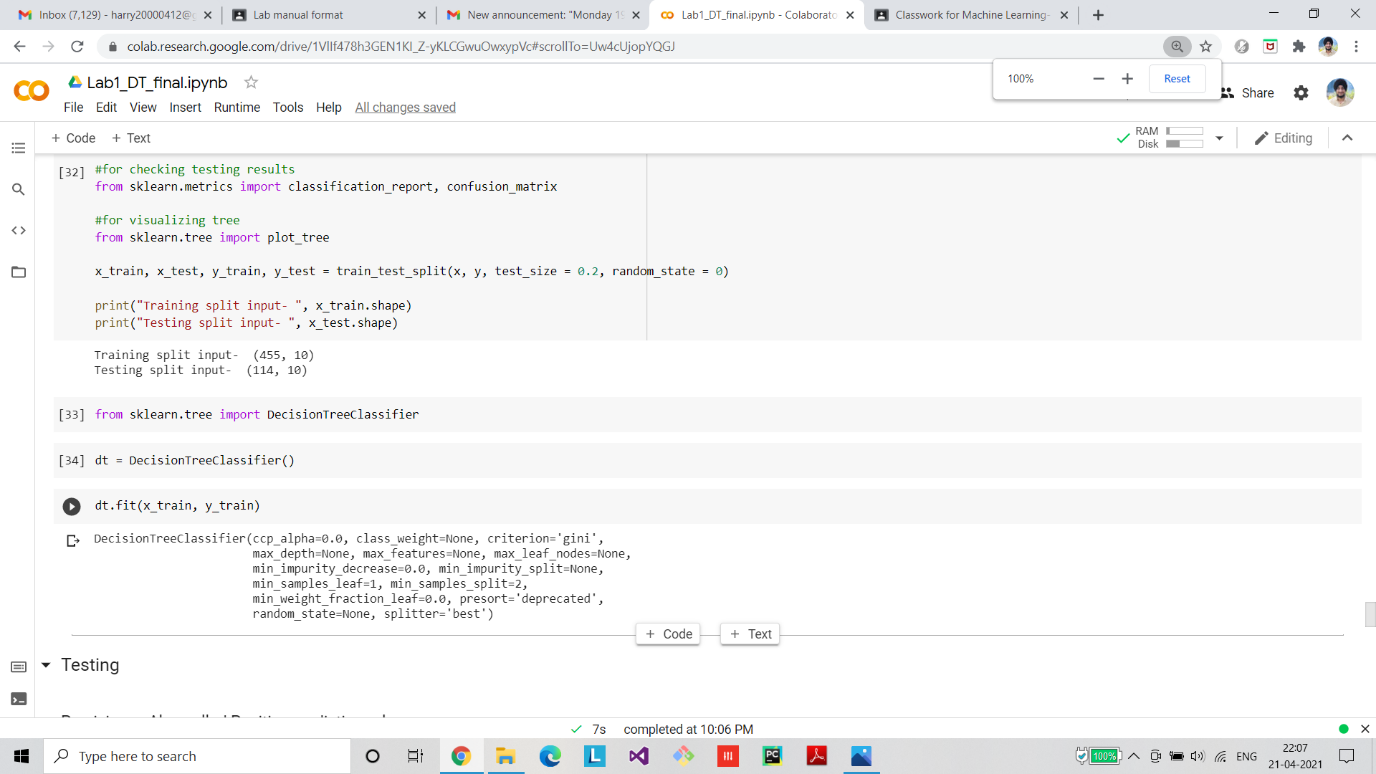
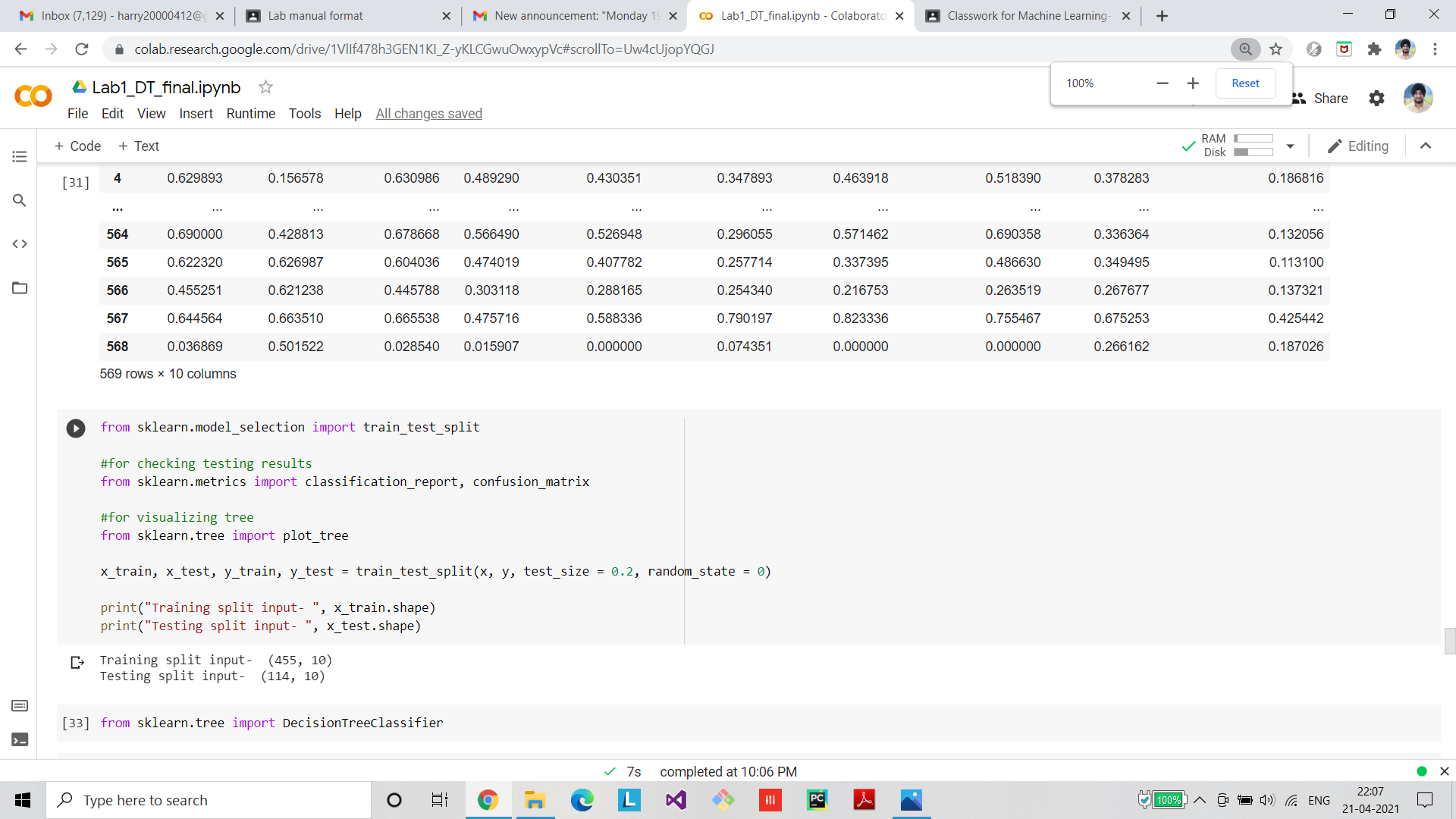
**Preprocessing/Cleaning of dataset**

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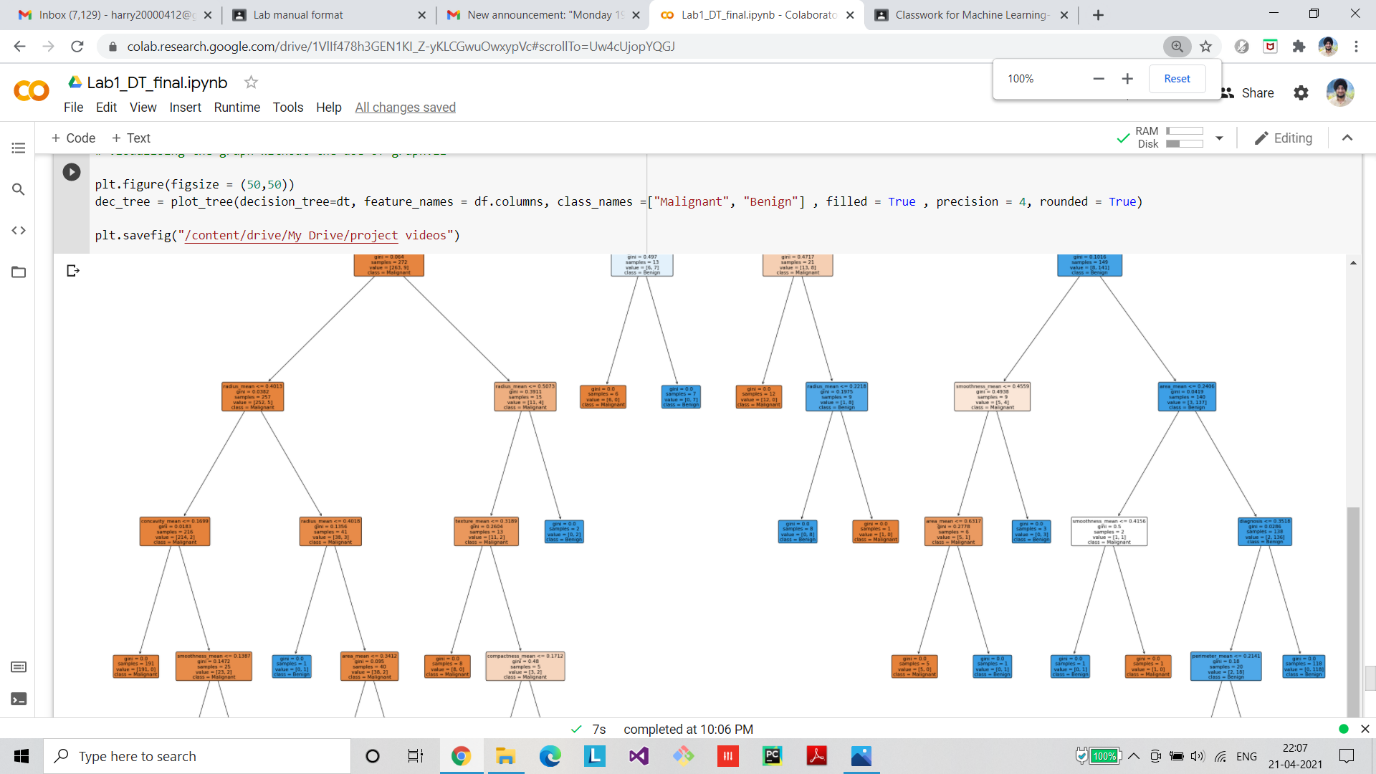
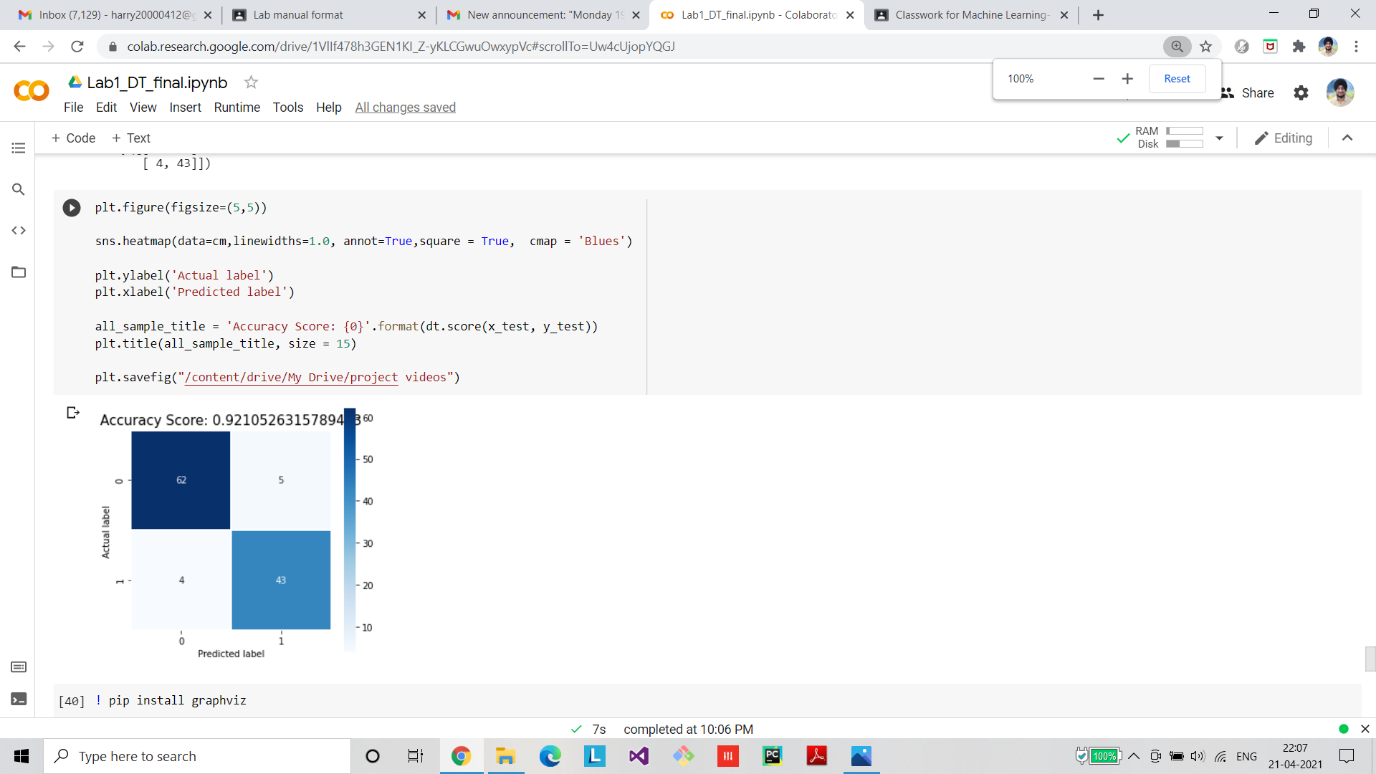
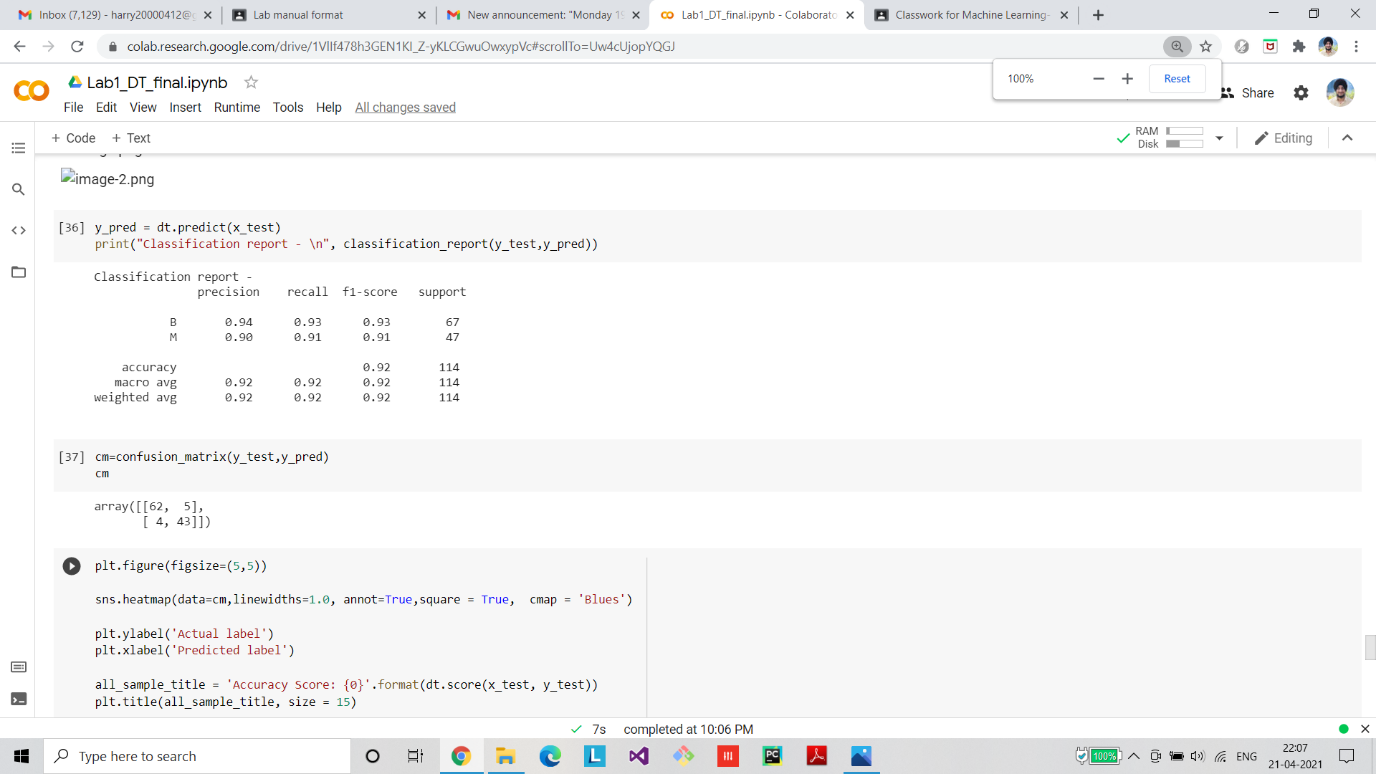
**Visualization**

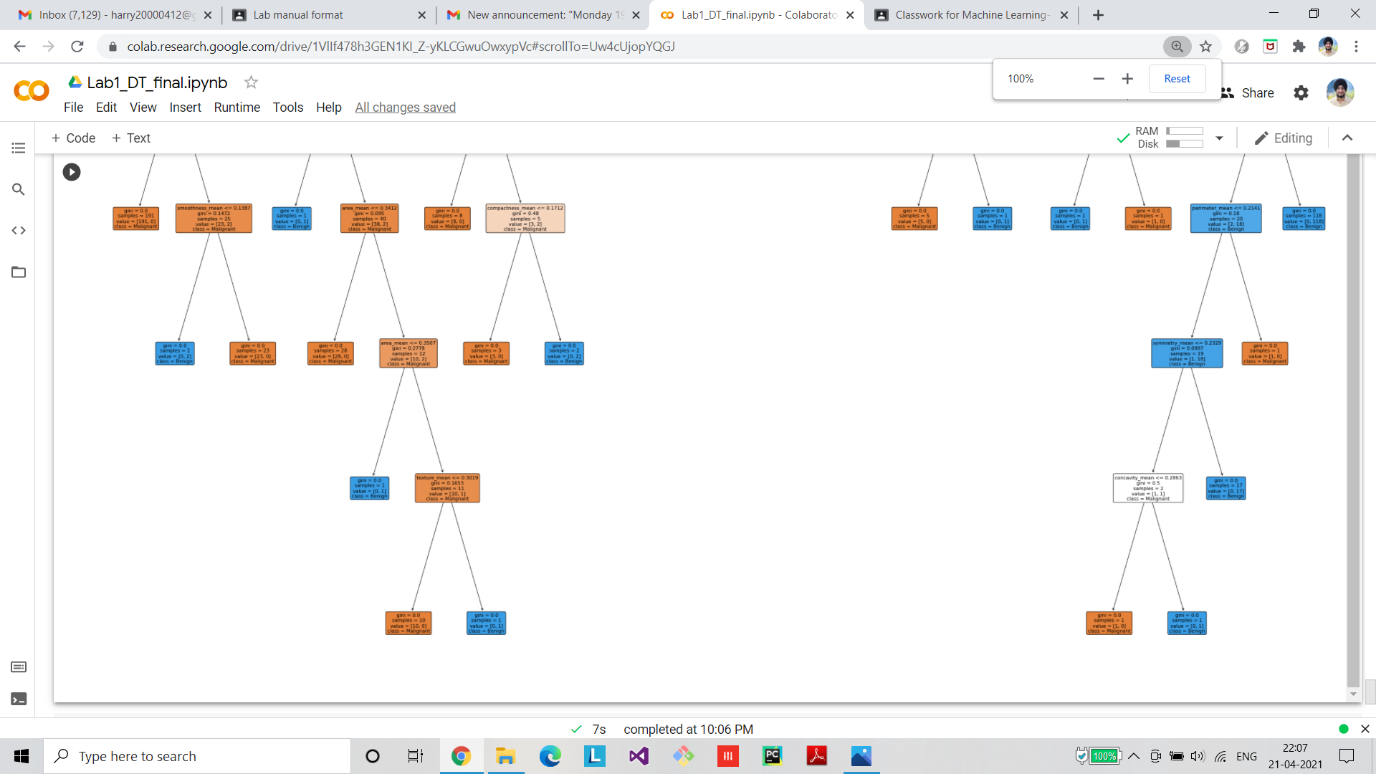
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**Algorithm Implementation**

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**Final Graph/ROC/Confusion Matrix**

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