**Final Project Report**

Data Mining

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Submitted by

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**Abstract :** We have been asked to create a simple neural network model to predict whether a particular mushroom that we have is poisonous or edible using agaricus-lepiota.data. The data given has in total 23 feature through which we can identify if the mushroom is edible or not.

**Screenshot of the report with some of the partial Running results**

Graphical user interface, text, application

Description automatically generated

Screenshot : 1 (data\_con.py)

Graphical user interface, text, application, email

Description automatically generated

Screenshot 2 : (proj\_test.py)

Graphical user interface, text, application, email

Description automatically generated

Screenshot 3 : (proj\_test.py)

Graphical user interface, text, application, email

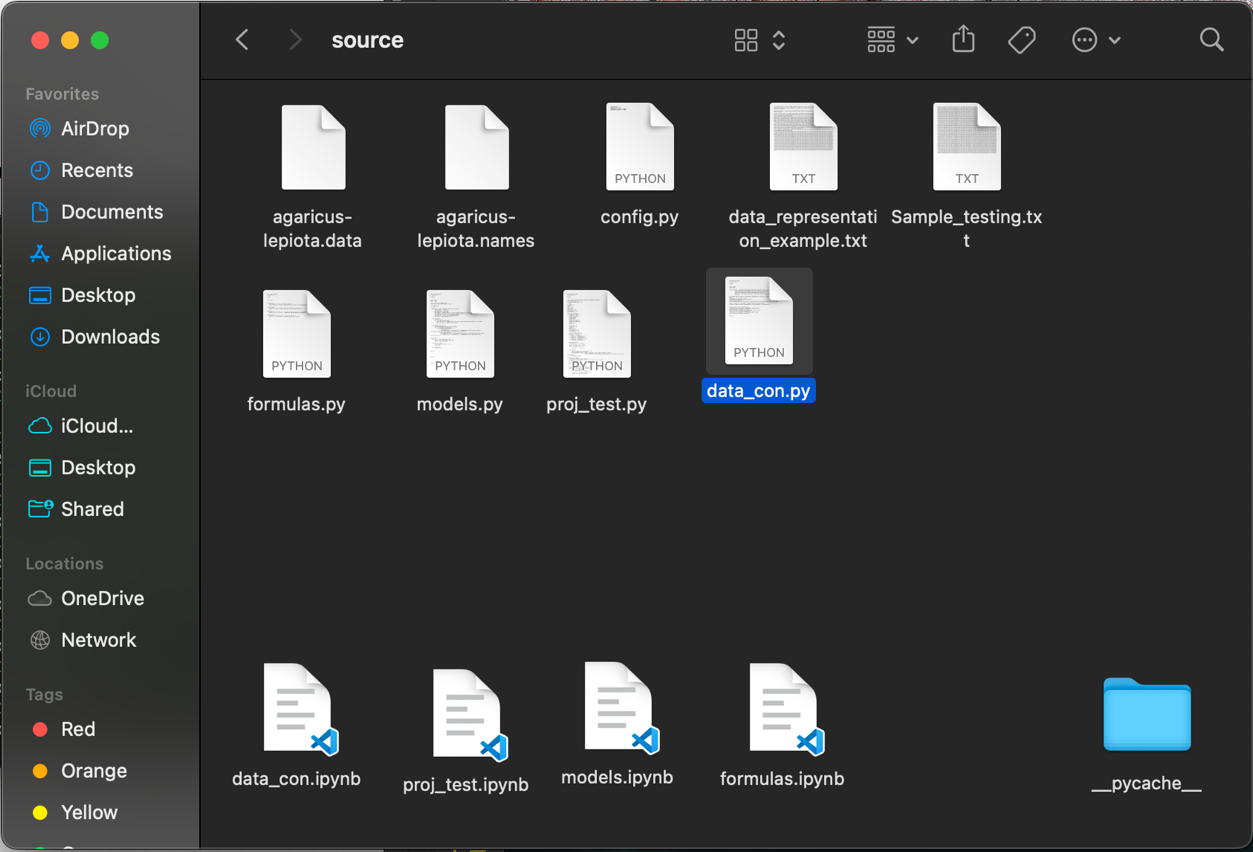
Description automatically generated

Screenshot 4 : (proj\_test.py)

Graphical user interface, text, application, email

Description automatically generated

Screenshot 5 : (proj\_test.py)



Screenshot 5 : Basic Files

A screenshot of a computer

Description automatically generated with medium confidence

Screenshot 6 : Folder with training.txt,validation.txt and testing.txt

Graphical user interface

Description automatically generated

Screenshot 7 : Folder with training\_err.txt, validation.txt and testing\_err.txt

**Conclusion**: Successfully created model that can predict weather the mushroom is edible or poisonous.