Assignment 2

Name : Sanket Rajaram Mote

PRN : 2019BTECS00113

Batch: T5

Course : Software Engineering Tools Lab

Anaconda

1. Original author

Ans. Peter Wang and Travis Oliphant

2. Developers

Ans. Anaconda, Inc. (previously Continuum Analytics)

3. Initial release

Ans. 0.8.0/17 July 2012

4. Stable release

Ans. 2021.11 / 17 November 2021

5. Repository (with cloud support)

Ans. Anaconda Repository is an enterprise server on your network or your private cloud where open source and proprietary packages may be stored, retrieved, and shared.

6. Written in (Languages)

Ans. Python

7. Operating System support

Ans. Windows, Linux, Mac OS

8. Platform, portability

Ans. Platform: Anaconda Navigator

9. Available in (Total languages)

Ans. Python & R

10.List of languages supported

Ans. Python & R

11. Type (Programming tool, integrated development environment etc.)

Ans. Anaconda is a distribution of the Python and R programming languages for scientific computing (data science, machine learning applications, large-scale data processing, etc.), that aims to simplify package management and deployment.

12. Website

Ans. https://www.anaconda.com/

13.Features

Ans.

- It has more than 1500 Python/R data science packages.
- Anaconda simplifies package management and deployment.
- It has tools to easily collect data from sources using machine learning and AI.
- It is free and open-source.

14. Size (in MB, GB etc.)

Ans. The current download size sits at around 600MB and will take up over 2GB of disk space once installed

15. Type of software (Open source/License):

Ans. Free and Open-Software Software.

16.If License- Provide details.

Ans. Anaconda Individual Edition 2021.11.

17.Latest version

Ans.

18.Cloud support (Yes/No)

Ans. Yes

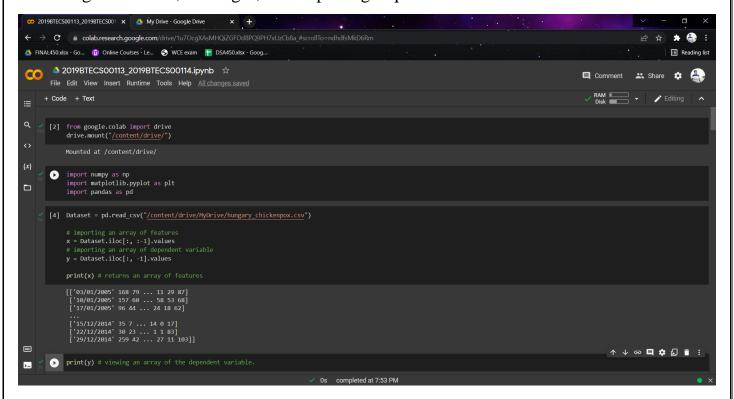
I. Implement linear regression problem using Google colab (Perform pre-processing, training, and testing)

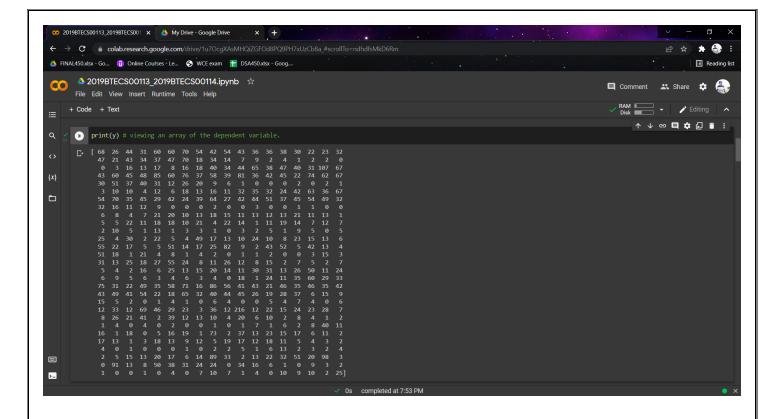
Dataset 6- https://archive.ics.uci.edu/ml/datasets/Hungarian+Chickenpox+Cases

Implementation:

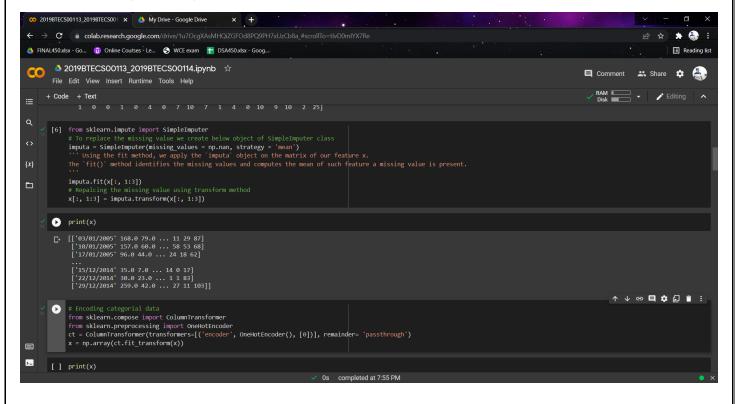
1.Pre-processing:

a. Getting the dataset, reading it, and importing required libraries.

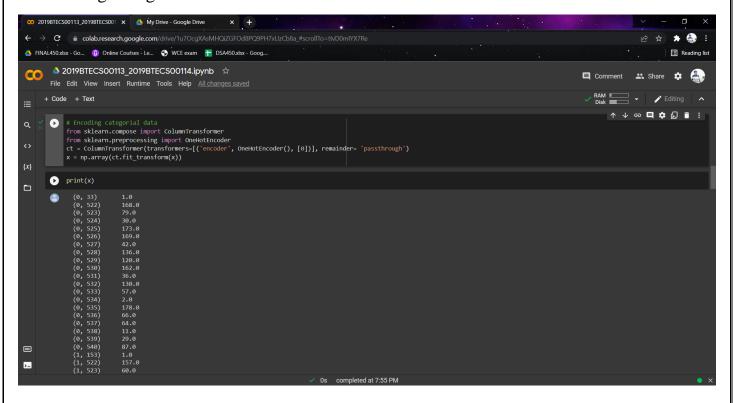


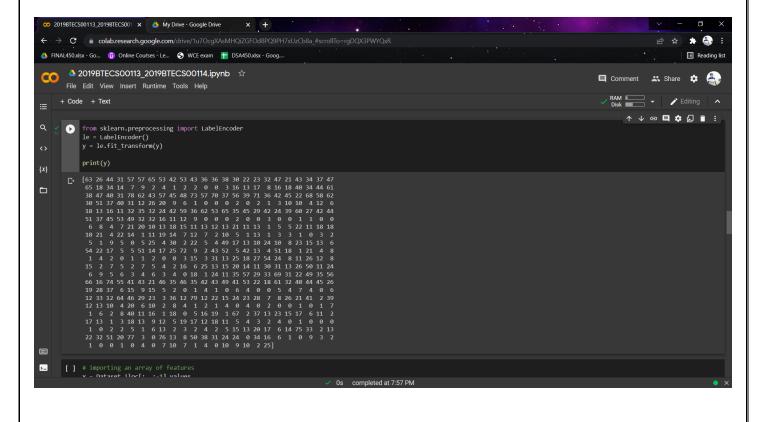


b. Handling missing data.



c. Encoding Categorial Data

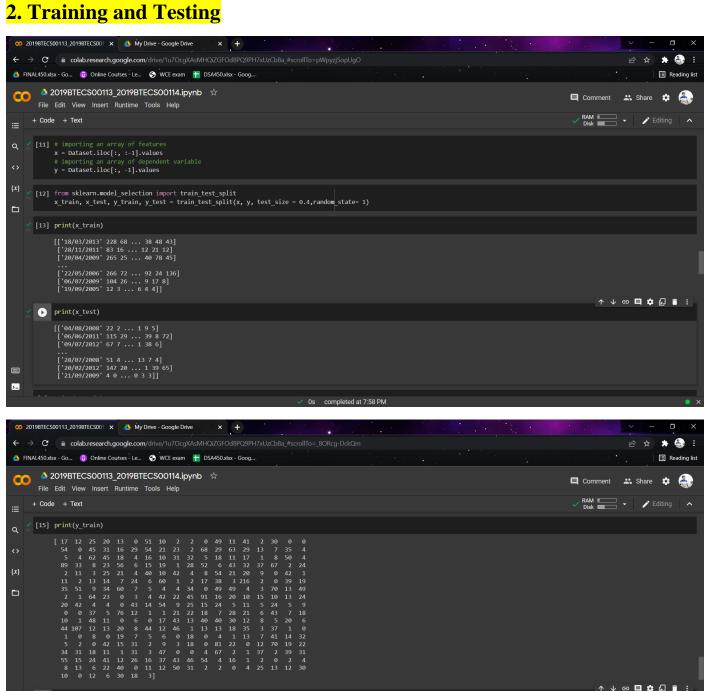




print(y_test)

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3. Feature Scaling

