Steps for running the project:

1. Upload UnsupervisedModel.ipynb on colab. Also upload files - smoking\_driking\_dataset\_Ver01.csv (this is the raw dataset used) and ClusterIdentificationFormula\_v2.csv (this file generates cluster age formulas).
2. After step 1, run the entire code in UnsupervisedModel.ipynb.
3. Save the final output generated by this model - ageCalc\_Vtest.csv.
4. Upload SupervisedModel.ipynb on another colab window. Also upload the csv file generated above - ageCalc\_Vtest.csv. (I have provided a sample ageCalc\_Vtest.csv file with my code, in case one wants to avoid running UnsupervisedModel.ipynb, you can directly upload this file and run SupervisedModel.ipynb).
5. Run the entire code in SupervisedModel.ipynb.
6. The final output will be a model.pkl file where the model parameters and weights are saved.
7. Open the Flask folder and run app.py file in any python editor (this file uses SupervisedModelFinal.pkl for predicting data which I have already provided). In case one wants to change the model, update model name in line 42 in app.py file.
8. Running app.py will open API in browser as local host. Here, the user can enter details and click ‘submit’. The output will be generated on a new browser page.