

NAFLD detection using RNA-Seq data

Content creators: Mahdi Anvari 610700002, Sadegh Rizi 610700007

University of Tehran, Department of Biotechnology

For each part of the project, a dedicated folder has been created. Within each folder, you'll find the corresponding files needed to run that specific part of the project. The entire project is developed in Jupyter Notebooks. The main file for each section is the Python Jupyter Notebook. Additionally, for parts that require Differential Expression (DE) analysis, there is also an R Jupyter Notebook available.

Each notebook begins with a single run of the task to demonstrate the procedure and provide an initial result. Towards the end of the notebook, a loop is included to repeat the entire process, allowing for statistical validation and reproducibility based on multiple results. Further descriptions for each part of the project can be found in their corresponding Notebook files.

Best regards.