



SUMMER ANALYTICS 2021

WEEK-5



Welcome to the fifth and final assignment of the Summer Analytics 2021 series. This Week's graded assignment series will consist of an Assignment and a graded Quiz on various models.

- To begin with, please download the folder "SA2021_W5" (as it is and unzip the folder after downloading) to the default directory of your Jupyter Notebook (Generally this will be C:\Users\your_username).
- Once copied to the default directory, you can browse the files when you first open Jupyter, click on the assignment notebook named

"Logistic_Regression_with_a_Neural_Network_mindset.ipynb"

which will be visible in the file search window. Now you may begin solving the assignment by importing libraries and the dataset into the notebook.

- The assignment for this week is a bit different as compared to the previous weeks, so make sure you download the whole folder as it is without changing the files or even their names.
- The assignment requires the knowledge of Python, Pandas, Numpy, basic Data Analysis Skills, and Neural Networks (Forward prop, Backward Prop).
- Certain questions may require searching the web for additional concepts which may not be part of Summer Analytics 2021. It is very important that you study it on your own as this forms a vital part of the learning process.
- You don't have to submit the assignment to us, but you'll be asked questions regarding the assignment in the graded quiz.
- The form link for the graded quiz will be shared on the #Announcements Channel as well as on the website. Make sure you submit the quiz before the given timeline.
- Please follow the honor code and violation of the same will lead to harsh actions being taken. We expect you to do the assignment as well as the quiz on your own as it will develop your learning process more efficiently.

Stay Safe, Stay Healthy, and Enjoy the Course

Regards

Team CnA, IIT Guwahati