

AAI-510 – Team Project Status Update Form

Fill out this form and submit it by the end of Module 4 in Canvas.

Team Number: 11

Team Leader/Representative: Antan Tyagi

Full Names of Team Members:

1. Antan Tyagi
2. Aditya Sourabh
3. Abhay Srivastav

Title of Your Project: Obesity Prediction based on Eating Habits and Physical Condition

Short Description of Your Project and Objectives: This dataset contains information about individuals from Mexico, Peru, and Colombia, including their eating habits, physical condition, and obesity levels. The goal of this project is to analyze this data to **predict and identify individuals at high risk of obesity** who may need medical intervention. By leveraging machine learning and statistical modeling, we aim to:

- **Assess obesity risk** based on dietary patterns and lifestyle factors.
- **Develop predictive models** to classify individuals into different obesity levels.
- **Support early intervention** by flagging high-risk cases for healthcare professionals.

This analysis can help in designing targeted health programs and improving public health strategies to combat obesity in these regions.

Name of Your Selected Dataset: Estimation of Obesity Levels Based On Eating Habits and Physical Condition

Description of Your Selected Dataset (data source, number of variables, size of dataset, etc.):

Size: 2111

Features: 16

Dataset characteristics: Multivariate

Please provide GitHub the link here: https://github.com/antan123/AAI_510_final_project

How many times have your members met in the last two weeks?

Over the past two weeks, our team has maintained **daily communication** through a dedicated WhatsApp group to share quick project updates, address minor queries, and ensure alignment. Additionally, we held **two structured meetings** to discuss the project in depth, review progress, and plan next steps.

This approach ensures continuous collaboration while allowing for detailed discussions when needed.

List the specific contributions that each team member is providing for the Final Team Project in the table below.

- **NOTE:** ALL students on the team should contribute equally to the Final Team Project.

Team Member 1 (Antan)	Team Member 2 (Aditya)	Team Member 3 (Abhay)
1. Business Problem and Data Understanding 2. Data preparation 3. Deployment	1. Business Problem and Data Understanding 2. Feature Selection 3. Evaluation	1. Business Problem and Data Understanding 2 .Modelling 3. Discussion and Conclusion

Comments/ Roadblocks: Nothing as such