

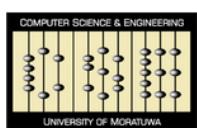
Kaggle Challenge Guidelines



University of Moratuwa
IEEE Student Branch



A Student Chapter of the IEEE Industry Applications Society



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Problem Overview

Obesity is influenced by genetics, diet, physical activity, and lifestyle behaviors. In this challenge, participants are tasked with predicting an individual's weight category based on anonymized demographic, lifestyle, and behavioral data.

The dataset includes features such as:

- Demographics: Age, Gender, Height, Family History
- Lifestyle & Habits: High-calorie food intake, vegetable consumption, meal frequency, water intake, snack frequency
- Behavioral Factors: Screen time, activity level, leisure activities, smoking and alcohol habits
- Environmental Factors: Commute mode, family risk indicators

Weight Categories to Predict:

- Insufficient Weight
- Normal Weight
- Overweight Levels I
- Overweight Levels II
- Obesity Type I
- Obesity Type II
- Obesity Type III

Participants will **develop predictive models that can identify weight categories**, which can help in understanding correlations between lifestyle and obesity.

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Competition Overview

Competition Timeline

Start Date: 04.10.2025 00:00 AM (IST)

End Date / Final Submission: 06.10.2025 11:59 PM (IST)

Leaderboard Details:

- Public Leaderboard: Based on approximately 30% of the test data; provisional ranking
- Private Leaderboard: Based on the remaining 70% of the test data; determines final ranking

Evaluation Metric: Accuracy on the private test set.

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Competition Rules

Individuals and Teams:

- Each participant may only use one Kaggle account
- Teams allowed with a maximum size of 4
- Team mergers allowed if within deadlines and team size limits
- Team Name Format: **<Team_ID>_<Team_Name>**
(Example: OW_1_DataSync)
- No private sharing of code or data outside of your team; public sharing on Kaggle forums or notebooks is allowed

Submissions:

- Maximum 5 submissions per day per team.
- Only the final valid submission before the deadline will be considered.
- Submissions must follow the format as in the sample_submissions.csv
- Hand-labeling or human predictions on the test set is not allowed.

Code and Sharing:

- Private sharing of competition code with other teams is prohibited

Determining Winners:

- Scoring based on accuracy on private test set
- Public leaderboard is provisional
- Private leaderboard determines final rankings
- In case of tie, earliest valid submission is ranked higher

Disqualifications:

- Organizers reserve the right to disqualify participants for cheating, unfair practices, or rule violations
- Sharing predictions, manipulating results, or violating Kaggle rules will result in disqualification

**GOOD
LUCK**