

Introduction:

For this assignment, I analysed and collected data on different dishes and their ingredients. The main goal was to capture all the important details like ingredient names, amounts, calories, fat percentages, and total fat content.

After giving it some thought, I decided to include the following fields in my data:

1. A serial number for each dish
2. The dish name
3. Ingredients used
4. The quantity of each ingredient
5. The units for the quantities (grams, cups, etc.)
6. Calorie information for each ingredient
7. Fat percentage in each ingredient
8. Total fat in grams for each ingredient
9. A category for grouping the ingredients (dairy, grains, etc.)

I felt that having all these fields would give me a really comprehensive picture of the nutritional value of each dish and its ingredients. This information can be useful for various purposes, such as:

1. Dietary analysis and meal planning
2. Nutritional labeling and compliance
3. Recipe optimization and modification
4. Ingredient substitution and experimentation
5. Allergen identification and management
6. Calorie and macronutrient tracking

Installation of WSL, and Miniconda and created a conda environment:

1. Installed the Windows Subsystem for Linux (WSL): I faced issues while downloading the WSL on the terminal, so I, with Gautam sir's help, downloaded Ubuntu, a different software for the Windows Subsystem for Linux.

2. Installed Miniconda: I went through the pre-course materials and from there found a link to download Miniconda and so, on the Ubuntu software, I downloaded it using a series of command statements.

Overall, this assignment taught me a lot about data collection and the different software's that the Data Scientists use.