Project PEACH is a large scale open source community driven Data Science project by the Computer Science Department at University College London. The goal of Project PEACH is to provide a data science tool for medical professionals and researchers that can aid them in diagnostic and analytics processes through the use of big data, machine learning and data visualisation. https://code-4-health.org/peach

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The following document is a description of the file structure for the Food Diary data sets.

PEACH_foodDiary.csv - (comma delimited)

This file is a running food log of user's meals. Every time a user eats a meal, they would record it using the Diet and Nutrition application.

File Structure

Field	Values	Description
UserId	Integer	This field is a user's unique Id. Each user maintains their unique Id throughout all data sets in Project PEACH.
DateTime	DateTime (YYYYMMDD HH:MM:SS)	This field is the date and time the meal was consumed by the user.
Name_of_Meal	String	This field is the name of the meal consumed.

PEACH_allergyConsumption.csv - (comma delimited)

This file runs parallel to the foodDiary.csv file. For every meal consumed by a user, all allergies (that have been defined in Project PEACH) that are associated with the meal will be outputted in this file. A meal can have none, one or multiple allergens associated with it. If none, there will be no output to this file for that meal. If multiple, each allergen will appear on a separate row.

File Structure

Field	Values	Description
UserId	Integer	This field is a user's unique Id. Each user maintains their unique Id throughout all data sets in Project PEACH.
DateTime	DateTime (YYYYMMDD HH:MM:SS)	This field is the date and time the meal was consumed by the user.
Name_of_Allergen	String	This is the name of the allergen associated with the meal. The following is the list of allergens in Project PEACH {Peanut, Tree Nut, Sesame Seeds, Egg, Cow Milk, Soy, Fish, Shellfish, Beef, Wheat, Gluten, Apple, Dried Fruit}.
Quantity	Integer	This is the unit quantity of the allergen consumed. All units are in grams.

PEACH_sentimentFeedback.csv - (comma delimited)

This file runs trailing the foodDiary.csv file. For every meal consumed by a user, the user is requested to record how they are feeling one hour after the meal. If the user records positive feedback, no symptoms are entered. If the user records negative feedback, the symptoms field is populated with their current symptoms.

File Structure

Field	Values	Description
UserId	Integer	This field is a user's unique Id. Each user maintains their unique Id throughout all data sets in Project PEACH.
DateTime	DateTime (YYYYMMDD HH:MM:SS)	This field is the date and time one hour after the meal was consumed by the user.
Feedback	Integer	0 = Positive Feedback 1 = Negative Feedback
Symptoms	String	This field is a list of symptoms the user is feeling at the time of sentiment entry. The symptoms will each appear in a separate column.