# BMI Analysis & Charting

## The Program

A single user’s BMI or select a character

or

Ask user’s height and weight

Generate some population data

Calculate the BMI

Display category

Display statistics and plots indicating how user fits in wrt gender other categories

Guess the planet or some other feature at the end.

## The Components

The main program, calls all the top-level functions and checks progress to decide what to do.

Ask user height and weight. What checking is required?

Ask user to select a character. How will they know which characters are available?

(Ask the user what plot is required.)

(Ask the user what analysis is required.)

Generate a population dataset with height, weight, gender, planet?

Calculate the BMI for the user or the character.

Work out the BMI category for the user or the character.

Display the (required) plots.

Display the (required) analyses.

## The Tasks