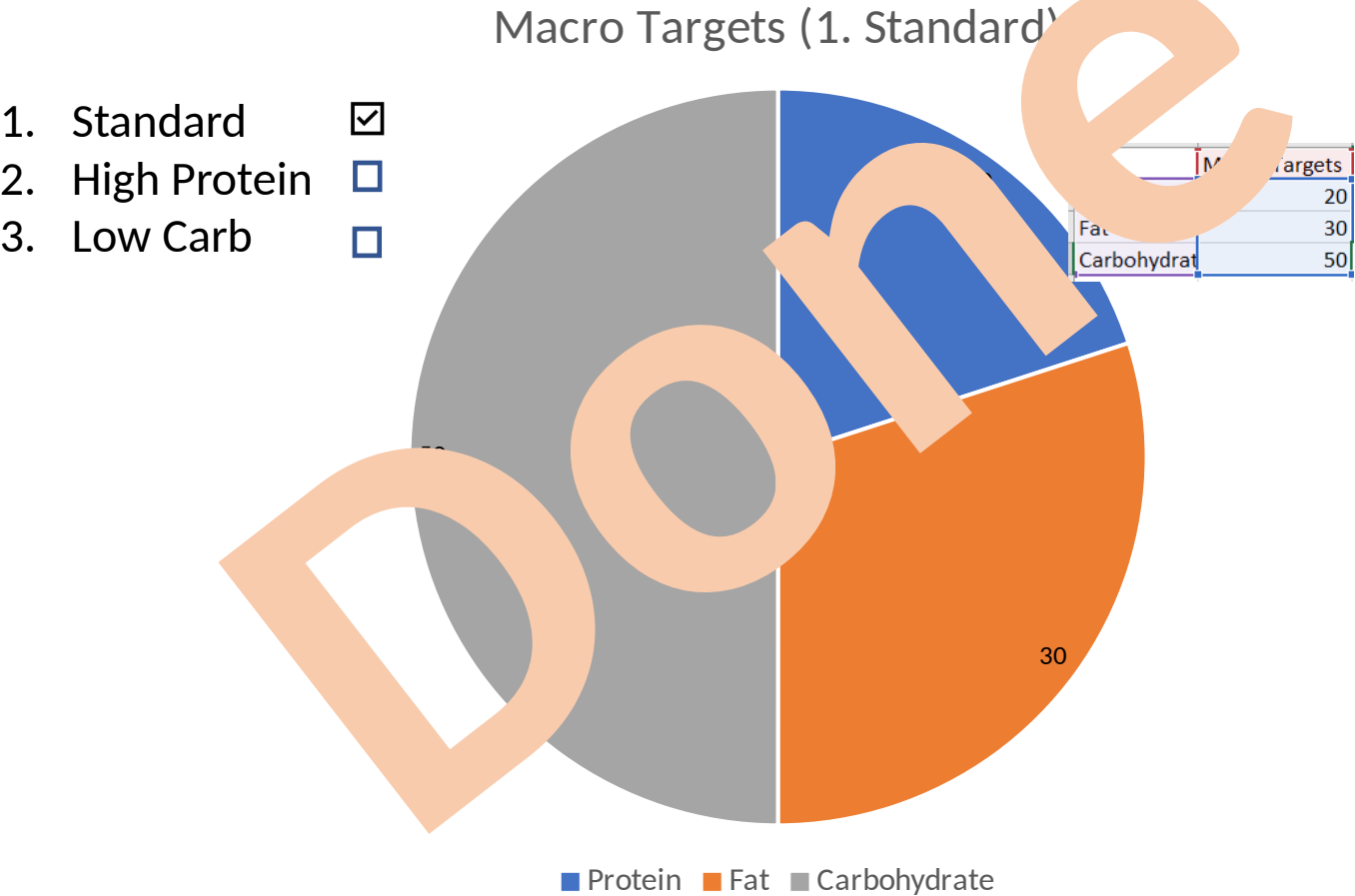


Step 1 - Populate the input fields below to calculate your calorie goals

Metric	Units	User Input	
Height	cm inches	Input Height	
Weight	kg lbs	Input Weight	
Age	years	Input Age	
Gender		Select Gender	
Activity Level		Select Activity Level	
Calories to:	Maintain Gain weight Lose weight	Output Output Output	Formula Formula Formula

Step 2 - Select your goals below to calculate your macro-nutrient splits:

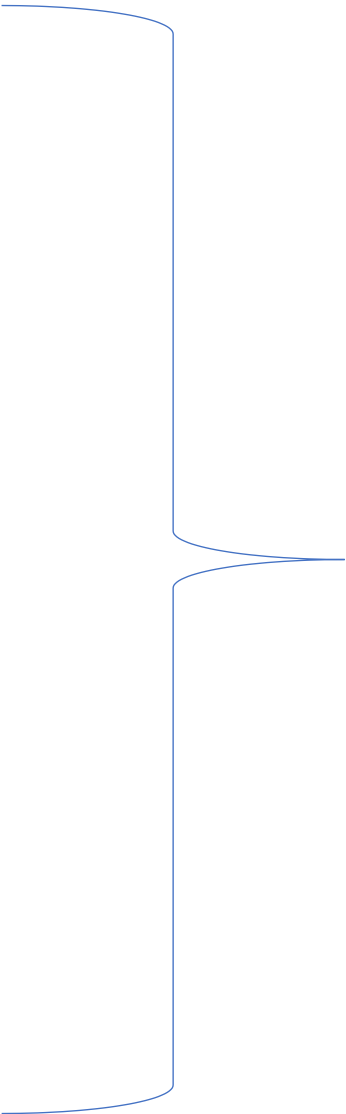


Step 3 - Tick/check boxes for foods you like from each category below to generate sample meal-plan ideas which fit your caloric goals & macro-nutrient targets

- Protein
- ☐ Chicken
  - ☐ Eggs
  - ☐ Turkey
  - ☐ Salmon
  - ☐ Cod
  - ☐ Steak
  - ☐ Pork
  - ☐ Haddock
  - ☐ Whiting
  - ☐ Mackerel

- Carbohydrate
- ☐ Bread
  - ☐ Pasta
  - ☐ Rice
  - ☐ Oats
  - ☐ Cereal
  - ☐ Bananas
  - ☐ Oranges
  - ☐ Apples
  - ☐ Potatoes
  - ☐ Sweet Potatoes
  - ☐ Beans/Pulses
  - ☐ Quinoa

- Fats
- ☐ Coconut Oil
  - ☐ Olive Oil
  - ☐ Butter
  - ☐ Bacon
  - ☐ Cheese
  - ☐ Cream
  - ☐ Almonds
  - ☐ Walnuts
  - ☐ Brazil Nuts
  - ☐ Seeds



Click to generate sample Meal-plan Idea 

Breakfast


- Set Calories = Daily Calories \* 0.30
- Set protein, carb, fats to Macros \* 0.3 each / per gram
- Select Random Protein + random Carb + random Fat

Lunch

- Set Calories = Daily Calories \* 0.30
- Set protein, carb, fats to Macros \* 0.3 each / per gram
- Select Random Protein + random Carb + random Fat

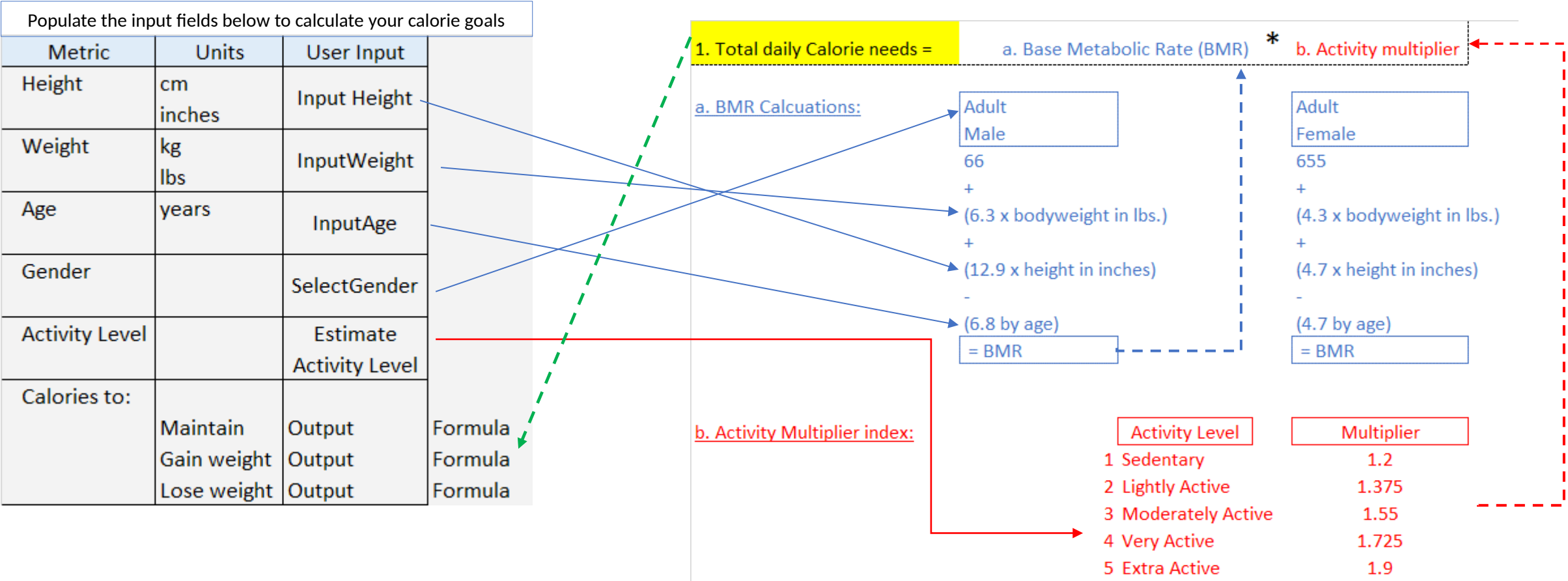
Dinner

- Set Calories = Daily Calories \* 0.30
- Set protein, carb, fats to Macros \* 0.3 each / per gram
- Select Random Protein + random Carb + random Fat

Click to share this meal plan on Twitter / Instagram 

Click to export to CSV 

# Formulas & Logic (For Javascript)



## Checks & controls (examples)

- Age check
  - If <18 – throw a warning to come back when old enough
- Calorie check
  - If calories fall below recommended minimums - warning

# Step 1

## Initial Calorie Calculation

### Browser window

Personal Data	Units	User Input
Height	cm inches	Input Height
Weight	kg lbs	InputWeight
Age	years	InputAge
Gender	M / F	SelectGender
Activity Level	1 - 5	Estimate Activity Level
Calories to:	Maintain Gain weight Lose weight	Outputs

User inputs their height  
Allow inches or centimetres  
Do not allow height to be too small or too large  
Do not allow to be blank

Height Variable

User inputs their height  
Allow kilograms or pounds  
Do not allow weight to be too small or too large  
Do not allow to be blank

Weight Variable

User inputs their age  
Measured in years  
Do not allow age to be <18  
Do not allow age to be >120

Age variable

User selects Gender from dropdown menu  
Set to either Male or Female - used in BMR formula

Gender Variable

User selects an estimated activity level from a dropdown menu  
1 Sedentary  
2 Lightly Active  
3 Moderately Active  
4 Very Active  
5 Extra Active

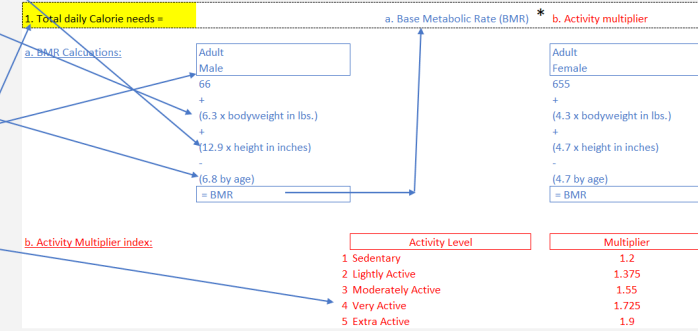
Activity Level variable

Maintenance Daily Calorie goal is output of calculation (See BMR formula)  
To obtain "Gain Weight" goal - take maintenance plus 500 calories  
To obtain "Lose Weight" goal - take maintenance less 500 calories  
User ticks a box for which of the three scenarios to carry forwards to Step 2

Calculation

Calorie variable

### Javascript



# Step 2

## Macro Split Calculation

### Browser window

### Javascript

Calories to:	Examples:	Get Step 1
Maintain	2500	Output
Gain weight	3000	
Lose weight	2000	

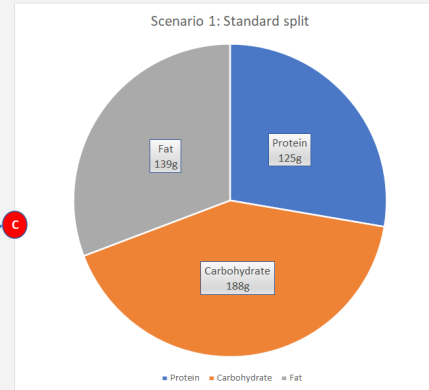
Pre-defined Macro scenario splits:			
Scenario 1: Standard split			
Macronutrient	Allocation	Calories	Daily Grams
Protein	20%	500	125g
Carbohydrate	30%	750	188g
Fat	50%	1250	139g
		2500	451g
Scenario 2: High Protein			
Macronutrient	Allocation	Calories	Daily Grams
Protein	45%	1125	281g
Carbohydrate	30%	750	188g
Fat	25%	625	69g
		2500	538g
Scenario 3: Low Carb			
Macronutrient	Allocation	Calories	Daily Grams
Protein	20%	500	125g
Carbohydrate	10%	250	63g
Fat	70%	1750	194g
		2500	382g
Lookup table/array:			
Macronutrient	Calories per 1g		
Protein	4		
Carbohydrate	4		
Fat	9		

User selection:

1 Standard

2 High Protein

3 Low Carb



# Checks & controls

- Age check
  - If  $<18$  – throw a warning to come back when old enough
- Calorie check
  - If calories fall below recommended minimums – warning
- Gender
  - Male or Female

