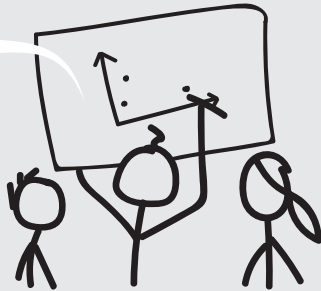# Parallel Coordinates

Introduction

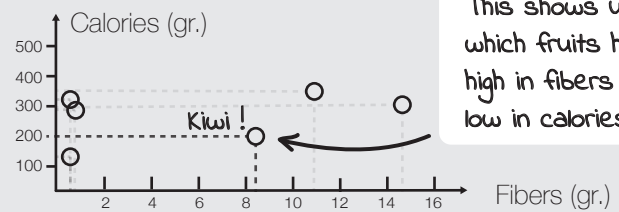well done guys. Let's get you a balanced diet!

There are so many fruits. which ones should we chose?

Let us draw a scatterplot to show nutrition values for all fruits and chose some fruits with complementary values.

We map "Calories" on the vertical axis and "Fibers" on the horizontal axis.

This shows us which fruits have high in fibers and low in calories.

Calories (gr.)

500
400
300
200
100

Kiwi !

2 4 6 8 10 12 14 16   Fibers (gr.)

Now, what about proteins? We could add a 3rd spatial dimension, .. perhaps.
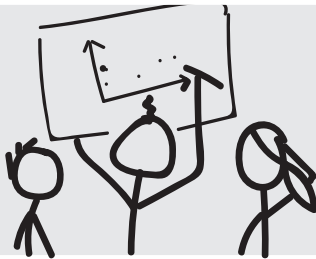
That does not look like a good solution ... can you spot which fruit has the most proteins?

Calories (gr.)

500
400
300
200
100

Proteins

? ? ?

2 4 6 8 10 12 14 16   Fibers (gr.)
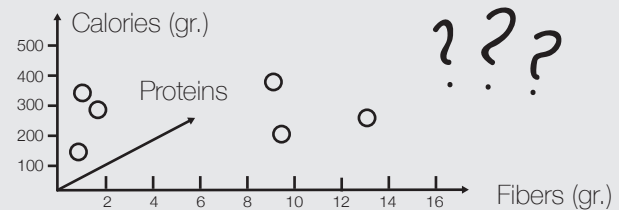
Guys, this is not going to work. How should we map all the other nutrients? Water? Calcium? Carbohydrates, Fat, etc..