Let's change the arrangement of the axes...
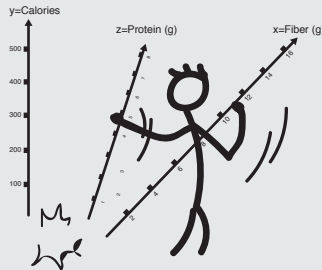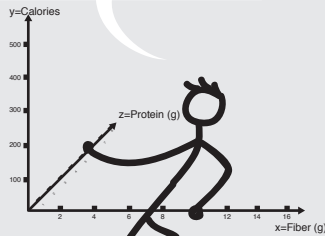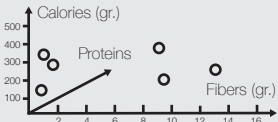
...like so :
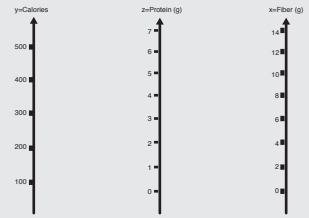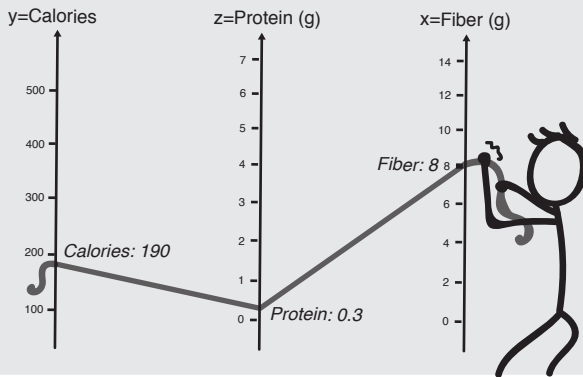
We now connect the values for each fruit with a line.

Fiber: 8

Calories: 190

Protein: 0.3

And obtain our Parallel Coordinates Plot (abbreviated: PCP).

"Axes" = Dimensions

y=Calories (g) · z=Protein (g) · x=Fiber (g)

Banana · Apricots · Persimmons · Avocado · Orange
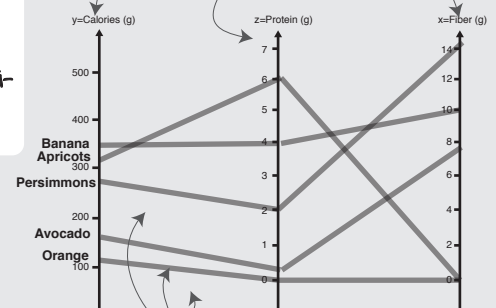
"Polylines" = data elements

See how we can show many dimensions?

Calories · Protein (g) · Fiber (g) · Water (g) · Calcium (g) · Carbohy. (g) · Fat (g)

Banana · Apricots · Persimmons · Avocado · Orange
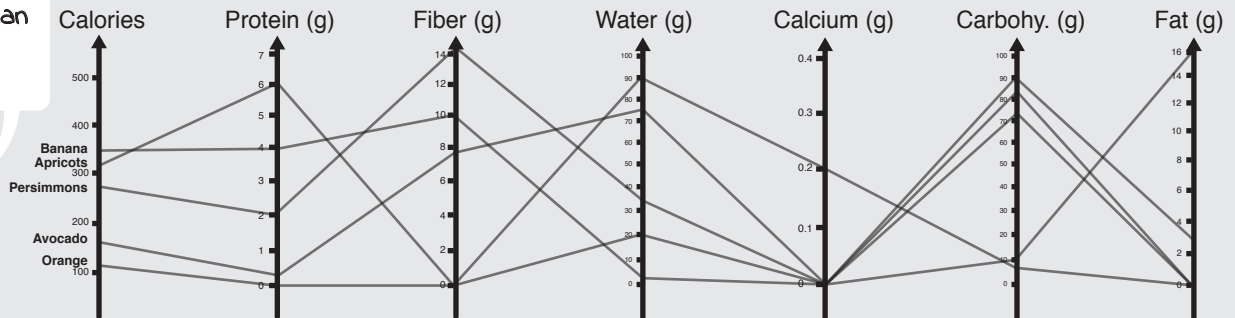
For better readability, let's add colors.

Calories · Protein (g) · Fiber (g) · Water (g) · Calcium (g) · Carbohy (g) · Fat (g)

Banana · Apricots · Persimmons · Avocado · Orange