Understand - Formative Assessment
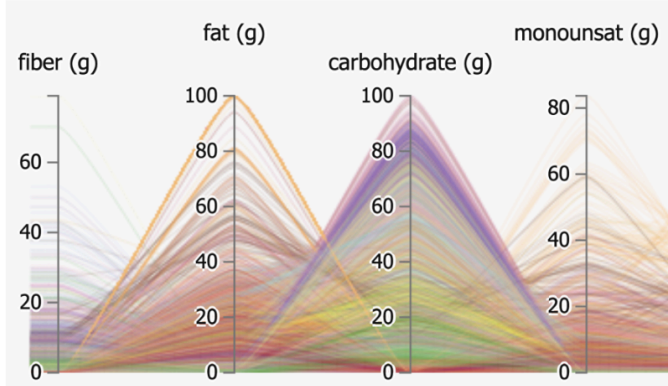
Note: You must score above 80% to qualify for the Summative Assessment.

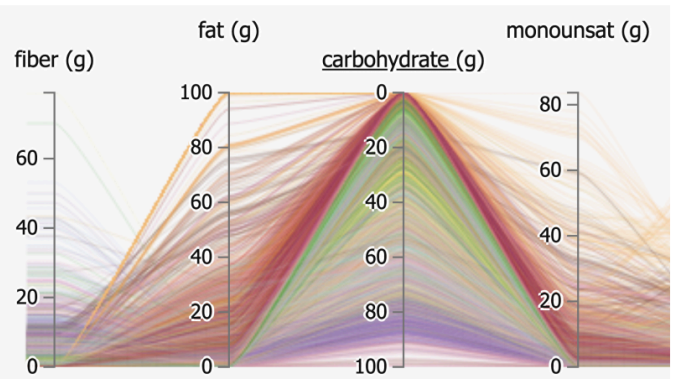………

Question 1:

What would you say is the difference between the following two charts (a) and (b)?

(a)   (b)
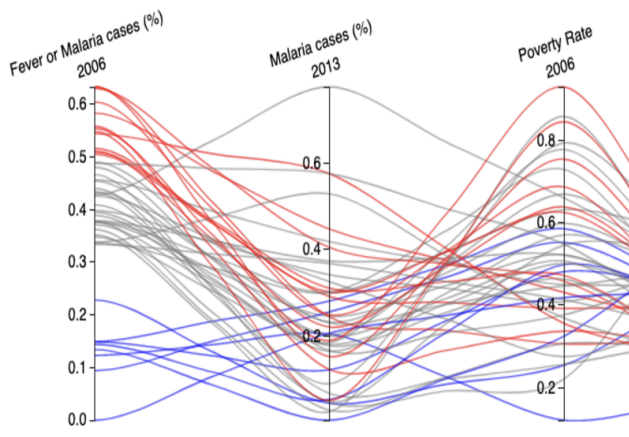

○ They both look the same

○ The carbohydrate(g) axis is flipped

○ The fat(g) axis is flipped
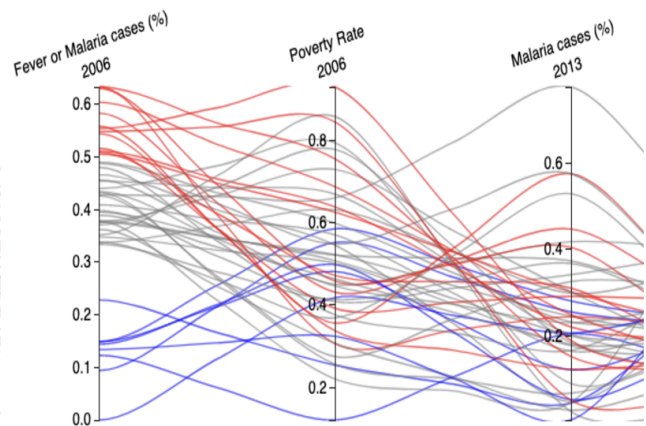
Question 2:

What would you say is the difference between the following two charts (a) and (b)?

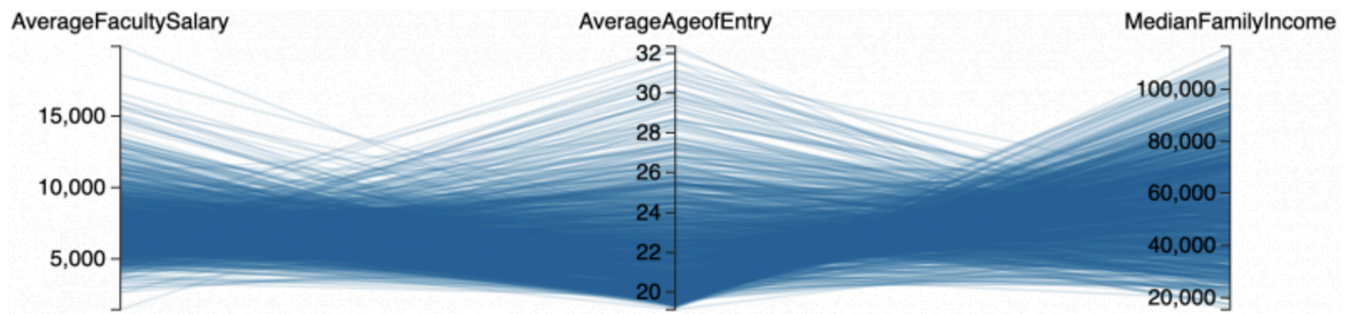(a)   (b)

○ They both look the same

○ The Malaria cases (%) and the Poverty Rate axes have been reordered

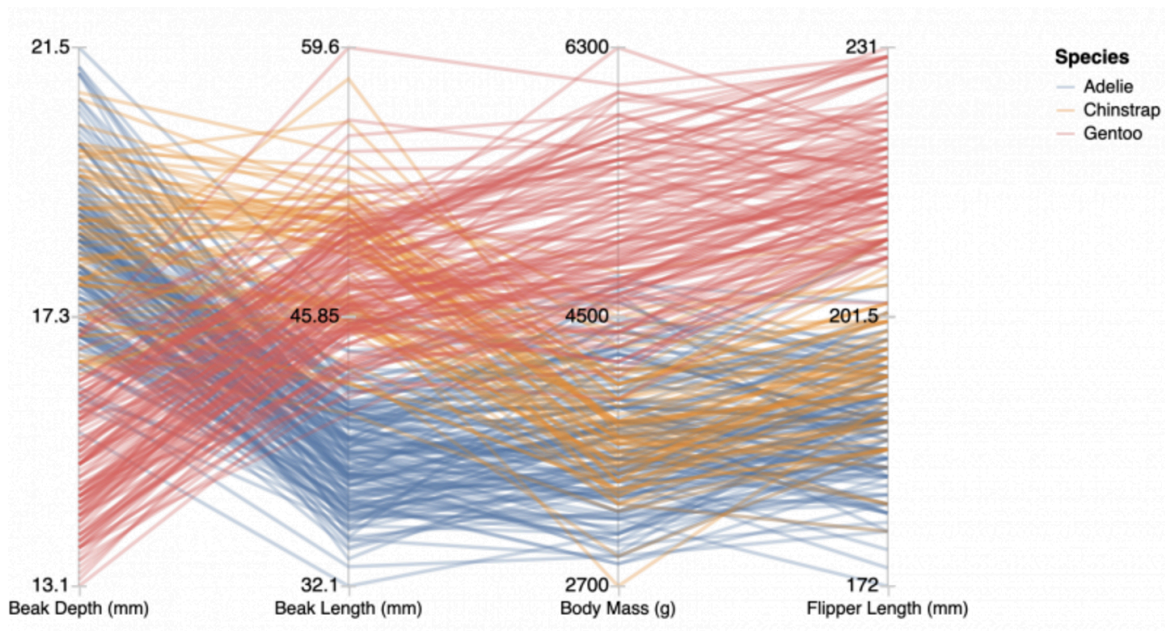○ The Fever or Malaria cases (%) and Poverty Rate Axes have been reordered

Question 3:

For the following parallel coordinates plot, which axis ranges from **18-32**?

AverageFacultySalary   AverageAgeofEntry   MedianFamilyIncome

- ○ AverageCost
- ○ AverageFacultySalary
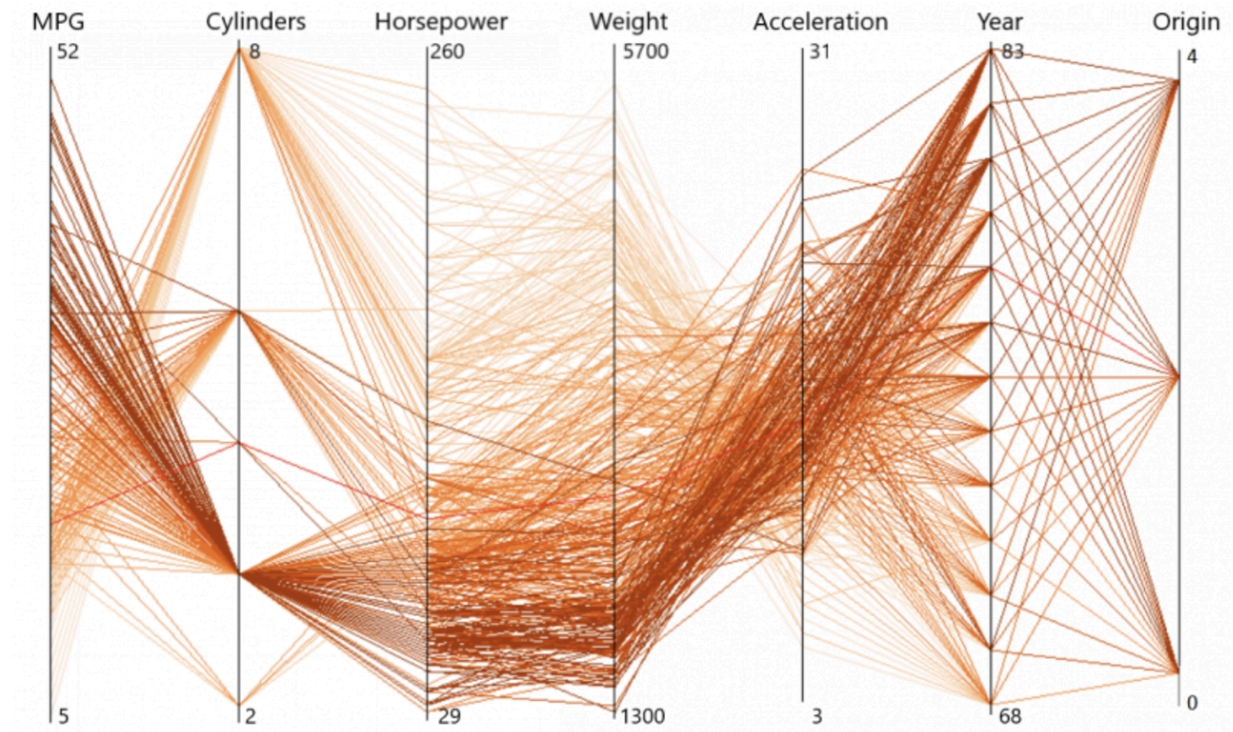- ○ AverageAgeofEntry
- ○ MedianFamilyIncome

Question 4:

What are the **minimum** and **maximum** values of the "**Beak Length**" attribute in the dataset shown using a parallel coordinates chart below?

Species
- Adelie
- Chinstrap
- Gentoo

Beak Depth (mm)   Beak Length (mm)   Body Mass (g)   Flipper Length (mm)

- ○ 2700 and 6300
- ○ 32.1 and 59.6
- ○ 13.1 and 21.5
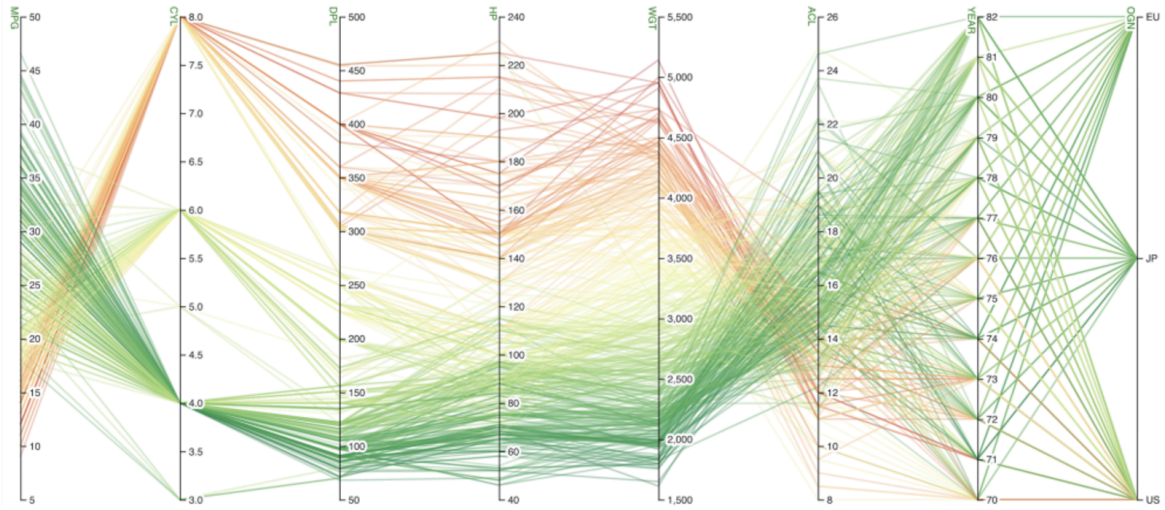- ○ 172 and 231
- ○ 32 and 58

Question 5:

For the following parallel coordinates plot, which axis ranges from **1300-5700**?

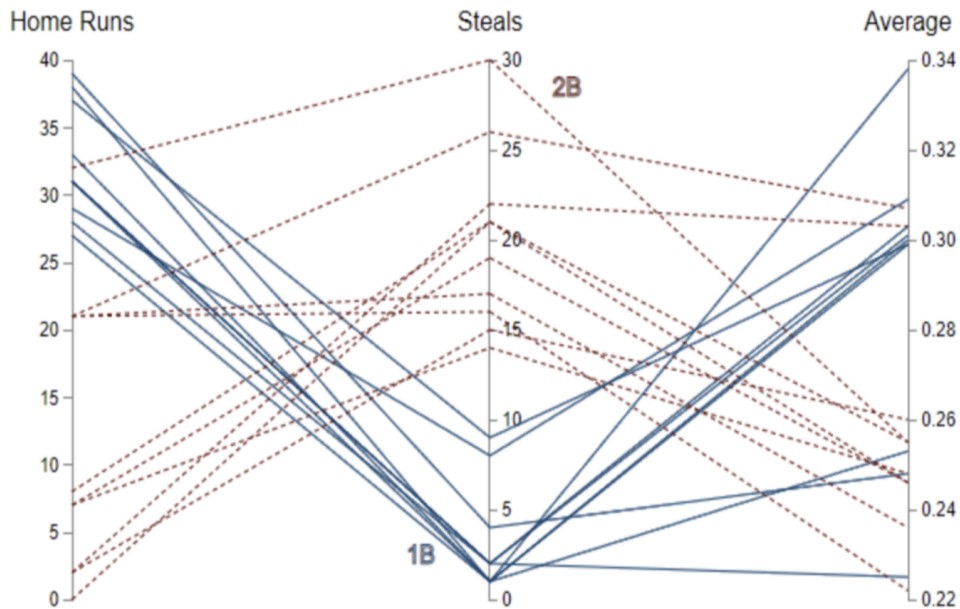○ MPG

○ Acceleration

○ Year

○ Weight

Question 6:

What are the **minimum** and **maximum** values of the "**HP**" attribute in the dataset shown using a parallel coordinates chart below?

○ 3.0 and 8.0

○ 10 and 8.0

○ 450 and 50

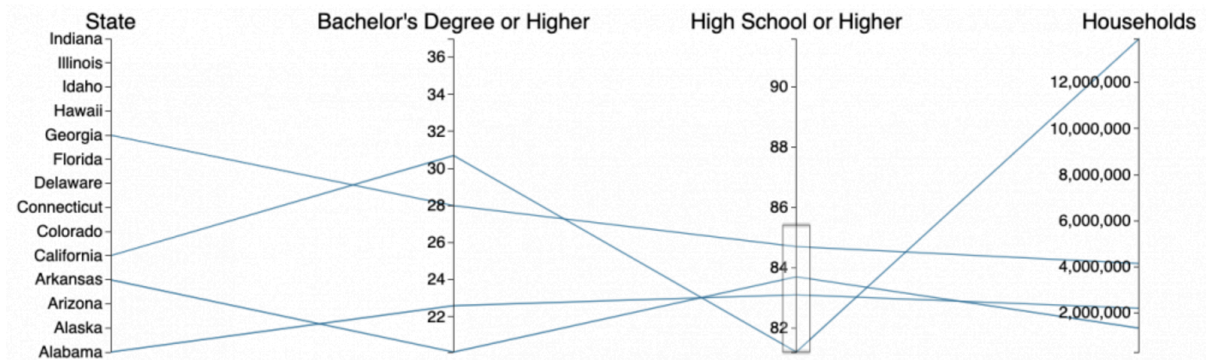○ 40 and 240

Question 7:

What are the **minimum** and **maximum** values of the "**Average**" attribute in the dataset shown using a parallel coordinates chart below?

○ 0.23 and 0.34

○ 0.22 and 0.34
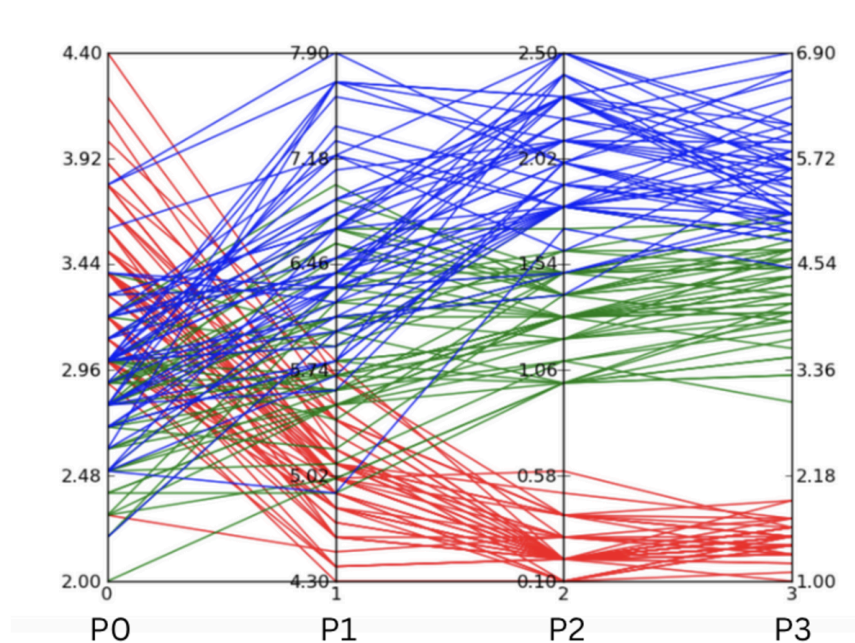
○ 0.225 and 0.33

○ 0 and 40

Question 8:

Which state has one of the lowest education levels for **High School or Higher** and has one of the highest value for number of households in the state?

○ Indiana

○ California

○ Delaware

○ Alaska

Question 9:
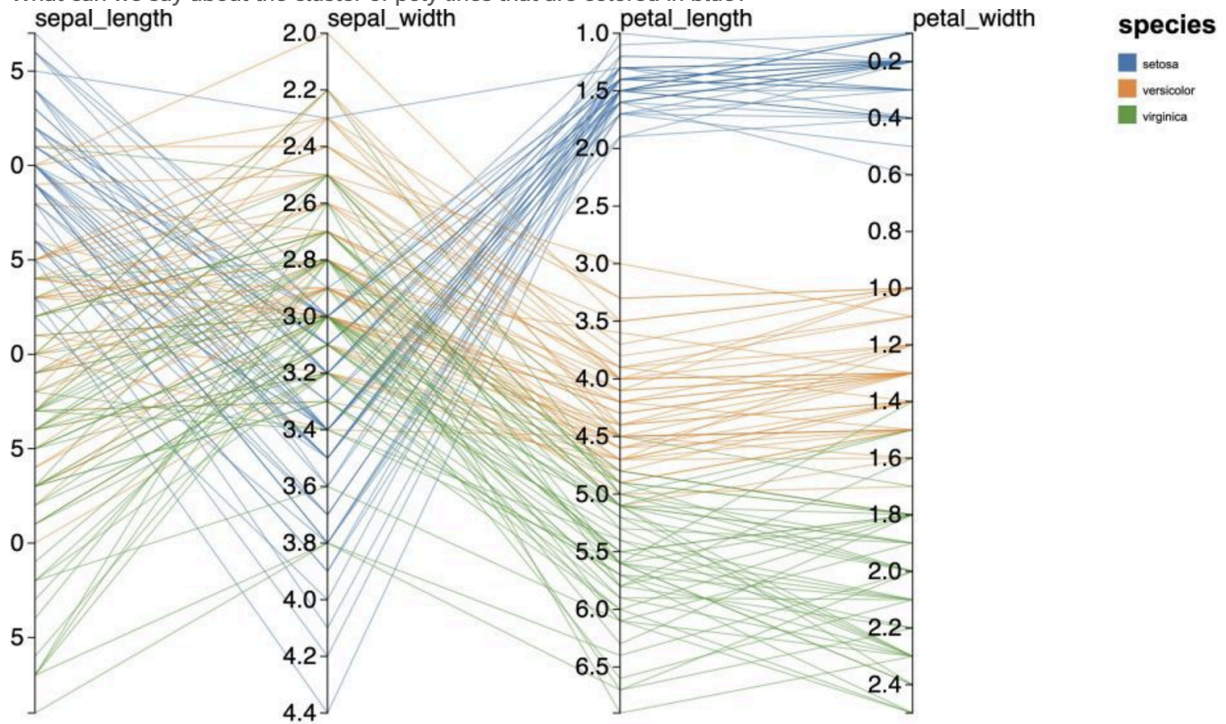
Following the cluster of **blue lines**, what is its average on the **P1 axis**?

○ 4.30

○ 5.74

○ 6.46

○ 7.18

Question 10:

What can we say about the cluster of poly lines that are colored in blue?

○ Their petal width is high compared to the petal widths for the orange and green lines

○ Their petal width is average compared to the petal widths for the orange and green lines

○ Their petal width is low compared to the petal widths for the orange and green lines

○ None of the above