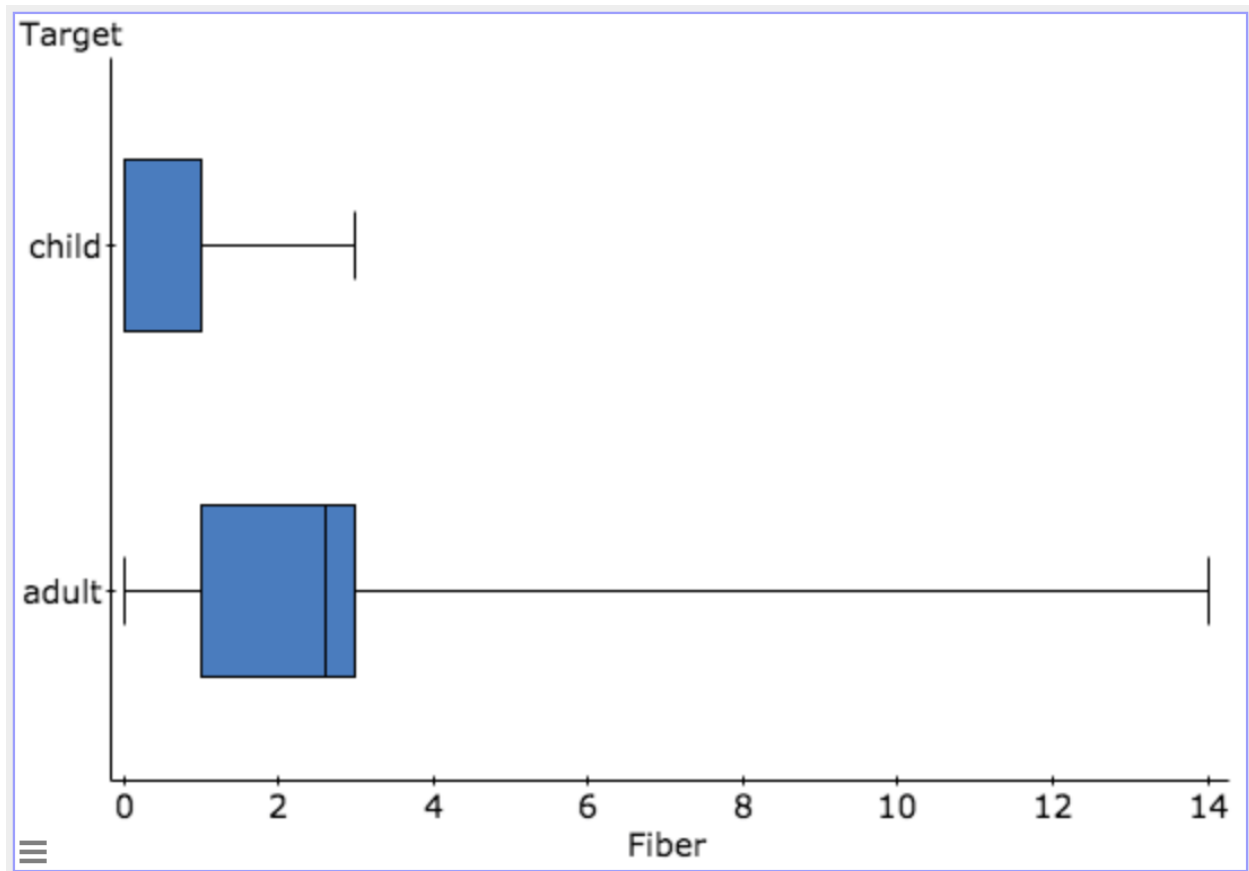# Project 2.3

Math 206, BCC

How does the amount of fiber compare in adult and child cereals?

Summary Statistics and Data

	child	adult
n	52.0	25
Min	0.0	0
Q1	1.0	0
Median	2.6	1
Q3	3.0	1
Max	14.0	3

Adult cereals:

```
 [1] 10.0  2.0  9.0 14.0  1.0  2.0  4.0  5.0  2.0  0.0  1.0  4.0  1.0  1.0
[15]  2.0  1.0  3.0  5.0  5.0  3.0  3.0  3.0  1.0  2.0  0.0  3.0  3.0  3.0
[29]  2.0  0.0  3.0  3.0  1.5  6.0  1.0  0.0  1.0  2.0  2.7  5.0  2.5  2.0
[43]  0.0  3.0  4.0  3.0  1.0  0.0  4.0  3.0  0.0  3.0
```

Child cereals:

```
 [1] 1.5 1.0 0.0 2.0 0.0 0.0 1.0 0.0 1.0 1.0 0.0 0.0 0.0 1.0 1.5 0.0 0.0
[18] 2.0 0.0 0.0 1.0 3.0 0.0 3.0 1.0
```

Note: the numbers inside the brackets represent the positions. For example: [1] refers to the first value. [15] represents the 15th position, and so on.

Instructions

Develop a thesis statement: You can complete the statement below or develop one of your own. You can also change your thesis statement later if your observations about the data warrant it.

Compared to adult cereals, child cereals tend to have (less, more, or about the dame amount of) fiber per serving.

Make observations about shape, center, spread, and outliers (if there are any) for both child and adult cereals. For this analysis, use the median to summarize the data. TO identify outliers, use the 1,5 IQR Rule discussed in OLI. When describing spread, include overall range, IQR, and the interval Q1 to Q3 to represent typpical measurements. As always, also include other observations that support the thesis.

Write the analysis

Write one or more paragraphs that use your observations to support the thesis.

Tip: If you are having trouble writing a paragraph, start with a sentence that gives your thesis. Then write a sentence that compares body temperatures for men and women for each of the observations you made previously about shape, center, and spread. Add transitions that help tie your observations back to your thesis.