1. The below graphic is a histogram of total\_medals for all countries in all events. Describe the distribution of total\_medals for all countries in all events. Is there a skew, if so, what is it and what does it mean?

The data is right or negatively skewed, this means that the majority of the values are at the smaller end of the x-axis around 0.

A graph with blue and black bars

Description automatically generated

1. Using <medals.csv>, obtain the summary statistics for total\_points for all countries in all events and fill them in below.

**Minimum**: 0 **Lower Quartile:** 0.8 **Median**: 12.33 **Mean**: 54.62

**Upper Quartile**: 67.44 **Maximum:** 848

1. The USA has 94.2 points in the women's coxed eight event, determine whether or not that is an outlier. Use calculations to justify your answer.

Not an outlier.

IQR = 67.44-0.8 = 66.64

1.5\*66.64 = 99.96

94.2<99.96

1. Based on the distribution of total\_medals amongst the countries in the dataset, would it be fair to assume that poverty is a confounding variable? Explain why or why not.

**\*\*\*having operating difficulties getting the bar plot set for this and not sure if I really want this question\*\*\***