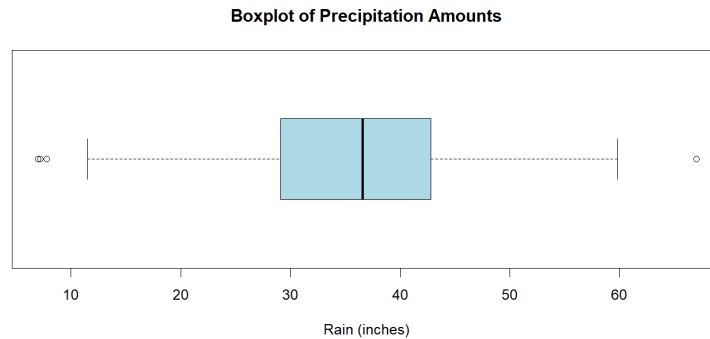

L15: Visualizations Lab

Complete the following exercises with your small group. The goal of this lab is to practice interpreting visualizations and deciding which graph is appropriate for different types of data.

1. **Interpreting a Boxplot** You are given the following boxplot of the `precip` vector. Use the graph to answer the questions below.



- (a) What is the approximate median?

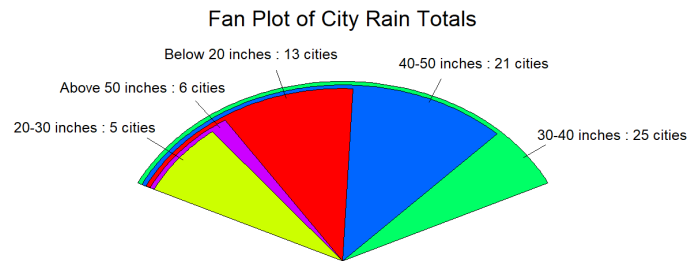
- (b) What is the approximate IQR?

- (c) Does the distribution appear skewed? Explain.

- (d) Are there any possible outliers?

- (e) Write the code to re-create this visualization yourself.

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2. **Interpreting a Fan Plot** You are given the following fan plot of the `precip` vector. Write a brief description of what the visualization tells us.



- (a) Which category appears to be the largest?

- (b) Which category appears to be the smallest?

- (c) What does this graph communicate well?

- (d) What might be difficult to compare using this graph?

- (e) Write the code to re-create this visualization yourself. Make sure the labels match exactly.