Lesson: 1.6 Measures of Spread

In this lesson, students will expand their statistical knowledge to include the spread of a dataset. They will learn about and apply measures of spread including standard deviation, variance, range, and interquartile range.

Objective

Students will be able to:

Use functions to compute the standard deviation and variance of a Series

Use variables, functions, and operators to determine the range and interquartile range of a Series

Use functions to plot a boxplot and histogram

Understand what the measures of spread mean for a dataset

Activities

These are all the activities included in the lesson.

Activity

1.6.1 Measures of Spread

1.6.2 Measures of Spread

1.6.3 CodeHS Graphics

1.6.4 Measures of Spread

1.6.5 Hot Dog Spread

1.6.6 Plotting Data

1.6.7 Hot Dog Plots

1.6.8 Hot Dog Conclusion

Solution References

Refer to the solution reference for a more detailed look at exercise solutions.

Solution Reference

1.6.2 Measures of Spread

1.6.5 Hot Dog Spread

1.6.7 Hot Dog Plots