





# EXPLORATORY AND DIAGNOSTIC PLOTS FOR THE DISTRIBUTION OF A SINGLE CONTINUOUS VARIABLE

ACTIVITY **27**

This activity presents a brief introduction to the graphics available for presenting a continuous variable. Continuous variables such as weight or speed often appear to be discrete in table, but are really continuous and can be presented using histograms, stem-leaf plots, and other graphical displays of the distribution characteristics of the dataset.

 <b>PURPOSE</b> <p>The purpose of this activity is to introduce the graphical display options within R that can assist in demonstrating key concepts regarding a continuous variable.</p>	 <b>LEARNING OBJECTIVE</b> <p>Develop an introductory understanding of the graphical presentation of continuous variables</p>
 <b>REQUIRED RESOURCES</b> <ul style="list-style-type: none"><li>Chapter 4 and 6 of <i>Graphics for Statistics and Data Analysis with R</i> in <i>Introductory statistics with R</i> (Keen)</li></ul>	 <b>TIME ALLOCATED</b> <p>50 minutes out-of-class</p>

## TASKS



Read chapters 4 and 6. Respond to the short quiz on the class course management site.

## DELIVERABLE



Complete the short quiz on the class site before coming to the next class session. It is timed; you will have 10 minutes to complete the quiz once you start.

## ASSESSMENT



Short quiz

