# GIS in R: reproject vector data

## Learning Objectives

After completing this tutorial, you will be able to:

- List and briefly describe the 3 core components of a lidar remote sensing system.
- Describe what a lidar system measures.
- Define an active remote sensing system.

## What you need

You will need a computer with internet access to complete this lesson.

If you have not already downloaded the week 3 data, please do so now. Download Week 3 Data (~250 MB){:data-proofer-ignore=" .btn }