

# Add images to a R markdown report

## Learning Objectives

After completing this tutorial, you will be able to:

- add an image to an R markdown report.
- describe the ideal location to store an image associated with an R markdown report so that knitr can find it when it renders a file.

## What you need

You need R and RStudio to complete this tutorial. Also you should have an **earth-analytics** directory setup on your computer with a **/data** directory with it.

- How to Setup R / RStudio
- Setup your working directory

## Add an image to your report

You can add images to a R markdown report using markdown syntax as follows:

```
![alt text here](path-to-image-here)
```

However, when you knit the report, R will only be able to find your image if you have placed it in the right place - RELATIVE to your .Rmd file. This is where good file management becomes extremely important.

To make this simple, let's setup a directory named **images** in your earth-analytics project / working directory. If your .Rmd file is located in root of this directory, and all images that you want to include in your report are located in the images directory within the earth-analytics directory, then the path that you would use for each image would look like:

```
images/week3/image-name-here.png
```

Let's try it with an actual image.

```
![an image caption Source: Ultimate Funny Dog Videos Compilation 2013.](images/week3/silly-dog.png)
```

And here's what that code does IF the image is in the right place:

*an image caption Source: Ultimate Funny Dog Videos Compilation 2013.*

If all of your images are in your images directory, then **knitr** will be able to easily find them. This also follows good file management practices because all of the images that you use in your report are contained within your project directory.

## Additional Resources

- R studio R / markdown cheat sheet