Importing Data

Your Turn

Open **02-Basic-R.Rmd**.

Importing from Excel

`read_excel()` - from the *readxl* package

```
library(readxl)
```

First you have to load the package

Importing from Excel

`read_excel()` - from the *readxl* package

```
read_excel("warwick.xlsx")
```

The filename of the excel file

Importing from Excel

`read_excel()` - from the *readxl* package

```
read_excel("warwick.xlsx", sheet = "Sheet1")
```

The filename of the excel file

The sheet you meant (the first sheet is the default)

Importing from Excel

`read_excel()` - from the *readxl* package

```
read_excel("warwick.xlsx", sheet = "Sheet1", range = "A1:G7")
```

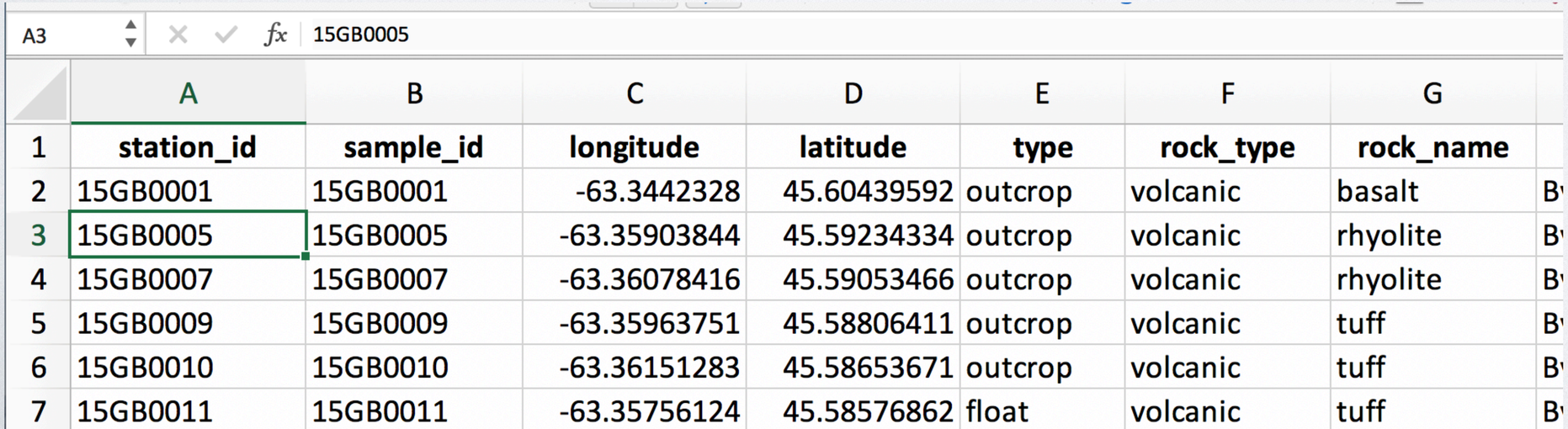
The filename of the excel file

It is often helpful to specify a specific range of cells

Your Turn 1

Modify the `range` argument in this call to `read_excel()` to read different regions of the sheet.

```
read_excel("warwick.xlsx", sheet = "Sheet1", range = ???)
```



A3 | 15GB0005

	A	B	C	D	E	F	G	
1	station_id	sample_id	longitude	latitude	type	rock_type	rock_name	
2	15GB0001	15GB0001	-63.3442328	45.60439592	outcrop	volcanic	basalt	B
3	15GB0005	15GB0005	-63.35903844	45.59234334	outcrop	volcanic	rhyolite	B
4	15GB0007	15GB0007	-63.36078416	45.59053466	outcrop	volcanic	rhyolite	B
5	15GB0009	15GB0009	-63.35963751	45.58806411	outcrop	volcanic	tuff	B
6	15GB0010	15GB0010	-63.36151283	45.58653671	outcrop	volcanic	tuff	B
7	15GB0011	15GB0011	-63.35756124	45.58576862	float	volcanic	tuff	B

Your Turn 5

```
read_excel("warwick.xlsx", sheet = "Sheet1", range = "A1:G7")
```

station_id	sample_id	longitude	latitude	type	rock_type	rock_name
15GB0001	15GB0001	-63.3442328	45.60439592	outcrop	volcanic	basalt
15GB0005	15GB0005	-63.35903844	45.59234334	outcrop	volcanic	rhyolite
15GB0007	15GB0007	-63.36078416	45.59053466	outcrop	volcanic	rhyolite
15GB0009	15GB0009	-63.35963751	45.58806411	outcrop	volcanic	tuff
15GB0010	15GB0010	-63.36151283	45.58653671	outcrop	volcanic	tuff
15GB0011	15GB0011	-63.35756124	45.58576862	float	volcanic	tuff

Other formats

read_csv() for CSV files

```
read_csv("warwick.csv")
```

(see R for Data Science for more!)

Your Turn 2

Use `read_csv()` to the supplied "warwick.csv" file.

A3 | 15GB0005

	A	B	C	D	E	F	G	
1	station_id	sample_id	longitude	latitude	type	rock_type	rock_name	
2	15GB0001	15GB0001	-63.3442328	45.60439592	outcrop	volcanic	basalt	B
3	15GB0005	15GB0005	-63.35903844	45.59234334	outcrop	volcanic	rhyolite	B
4	15GB0007	15GB0007	-63.36078416	45.59053466	outcrop	volcanic	rhyolite	B
5	15GB0009	15GB0009	-63.35963751	45.58806411	outcrop	volcanic	tuff	B
6	15GB0010	15GB0010	-63.36151283	45.58653671	outcrop	volcanic	tuff	B
7	15GB0011	15GB0011	-63.35756124	45.58576862	float	volcanic	tuff	B

Other formats

read_tsv() for TSV files

(see R for Data Science for more!)

Importing Data