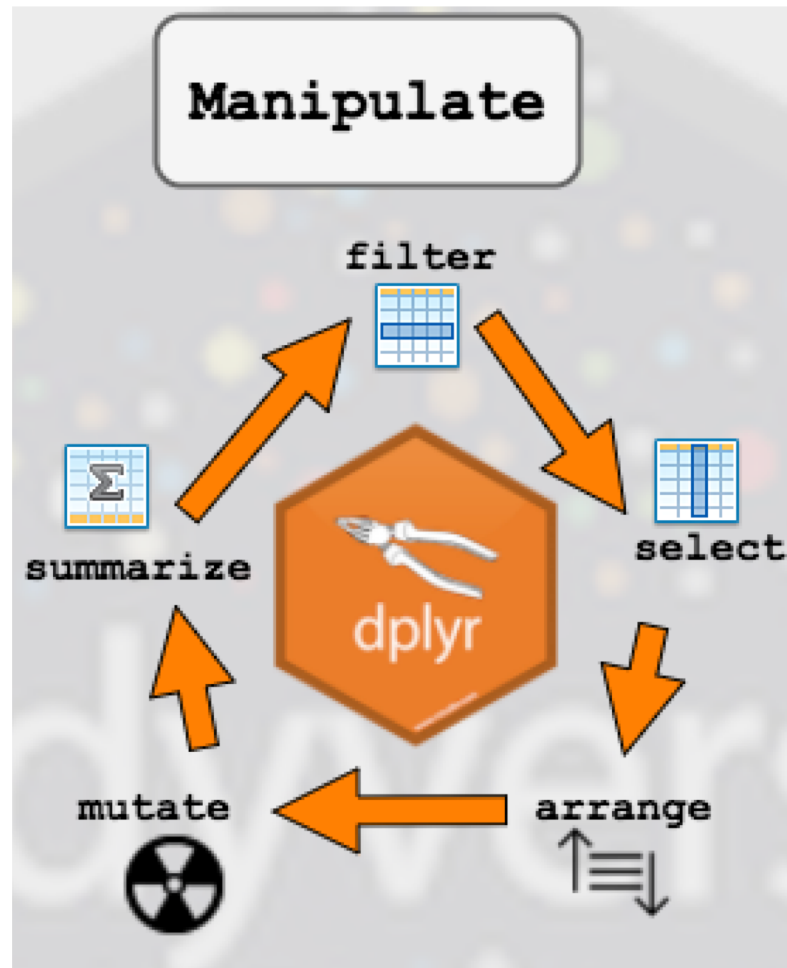




Data wrangling: dplyr and pipes

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dplyr



dplyr: 6 main functions

- `select()` Include or exclude certain variables (columns)
- `filter()` Include or exclude certain observations (rows)
- `mutate()` Create new variables (columns)
- `arrange()` Change the order of observations (rows)
- `group_by()` Organize the observations into groups
- `summarise()` Derive aggregate variables for groups of observations

Pipes: basics



- The 'pipe' is written as `%>%`
- You should read it as 'and then'.
- It allow you to string together 'sentences' of code into 'paragraphs' so that you don't have to create intermediary objects.
- It 'pipes' the data through to the next function.

Pipes: example

```
> results
```

```
# A tibble: 1 x 8
```

	estimate	statistic	p.value	parameter	conf.low	conf.high	method
	<dbl>	<dbl>	<dbl>	<int>	<dbl>	<dbl>	<chr>
1	-0.648	-4.08	0.000465	23	-0.830	-0.339	Pearson's

```
1 # no pipes
2 r_compute <- pull(.data = results, var = estimate)
3 r_round <- round(x = r_compute, digits = 2)
4
```

