

Data

Variables and **data types** to be represented

```
data |> <some dplyr> |> ...
```

Aesthetics

Visual **channel** that can be mapped to variable in data

x,y, colour, shape, size, alpha, angle, ...

Geom

Shapes, or **marks**, used to represent data

```
geom_point(), geom_line(), geom_bar(), ...
```

Statistics

Aggregates using statistical models

```
stat_count(), stat_density(), stat_quantile(), ...
```

Scale

Derived from the mapping of values in data to aesthetic

```
scale_*_continuous(), scale_*_discrete(), scale_*_datetime(), ...
```

Coordinates

Coordinate system to transform to

```
coord_cartesian(), coord_polar(), coord_map(), ...
```

Facets

Condition on variable to divide plot for comparison

```
facet_wrap(), facet_grid()
```

Themes

Fonts, colours and other design elements

```
theme_bw(), theme_classic(), theme_minimal(), ...
```