## Example 1: Gapminder

## library(gapminder) gapminder ## # A tibble: 1,704 x 6 continent year lifeExp ### country pop gdpPercap <fct> <fct> <int> <dbl> <int> <dbl> 1 Afghanistan Asia 1952 8425333 779. 28.8 2 Afghanistan Asia 30.3 9240934 821. 1957 32.0 10267083 3 Afghanistan Asia 1962 853. 4 Afghanistan Asia 34.0 11537966 836. 1967 36.1 13079460 5 Afghanistan Asia 1972 740. 6 Afghanistan Asia 1977 38.4 14880372 786. 7 Afghanistan Asia 1982 39.9 12881816 978. 8 Afghanistan Asia 852. 1987 40.8 13867957 9 Afghanistan Asia 41.7 16317921 649. 1992 10 Afghanistan Asia 1997 41.8 22227415 635. ## # ... with 1,694 more rows





## Static Version

```
p \leftarrow ggplot(
gapminder,
aes(x = gdpPercap, y = lifeExp,
    size = pop, colour = country)
geom_point(
  alpha = 0.7,
  show.legend = FALSE
scale_colour_manual(
  values = country_colors
scale_size(range = c(2, 12)) +
scale_x_log10() +
labs(
  x = 'GDP per capita',
  y = 'life expectancy'
```



