

## class5-2.R

dudu

2022-02-04

```
# ADVANCE!!
# set a CRAN mirror
install.packages("gifski", repos="http://cran.us.r-project.org")

##
## The downloaded binary packages are in
## /var/folders/9d/xssg21015fq5rb8769f22wfw0000gn/T//RtmpvCUKNt downloaded_packages

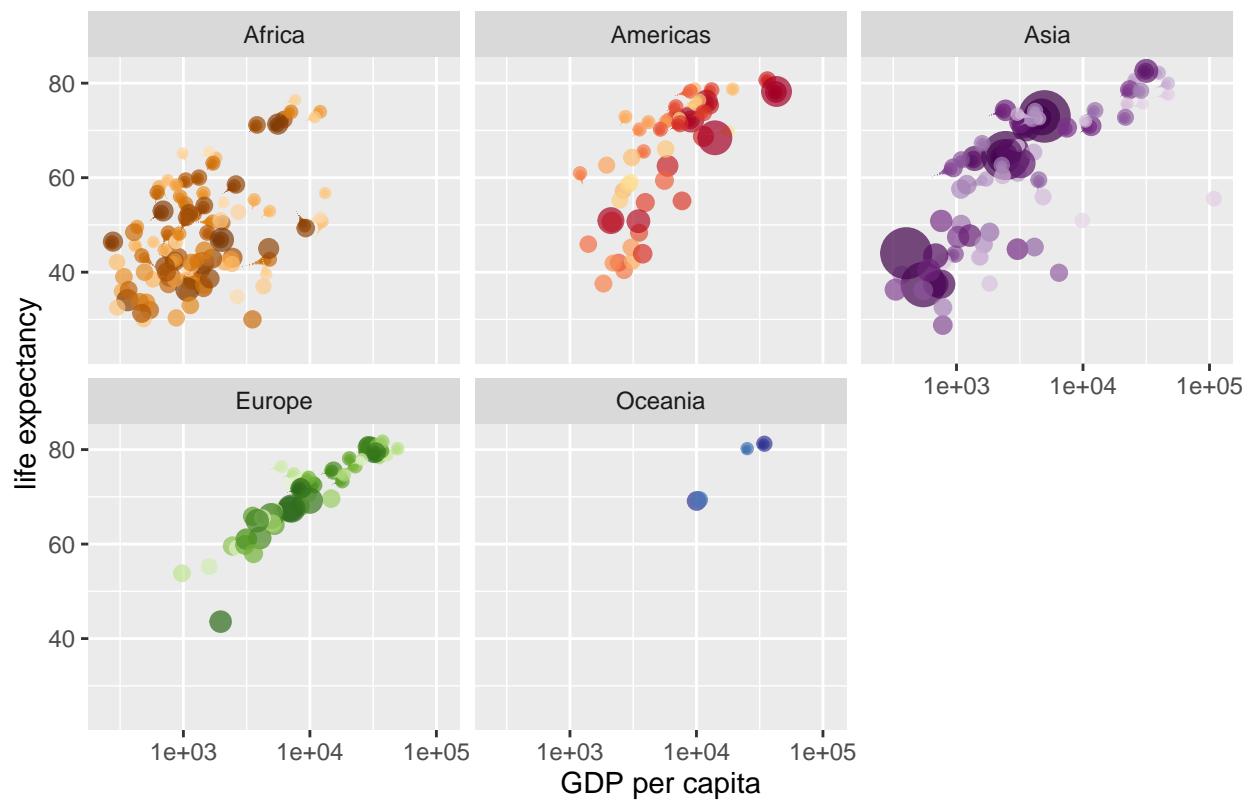
install.packages("gganimate", repos="http://cran.us.r-project.org")

##
## The downloaded binary packages are in
## /var/folders/9d/xssg21015fq5rb8769f22wfw0000gn/T//RtmpvCUKNt downloaded_packages

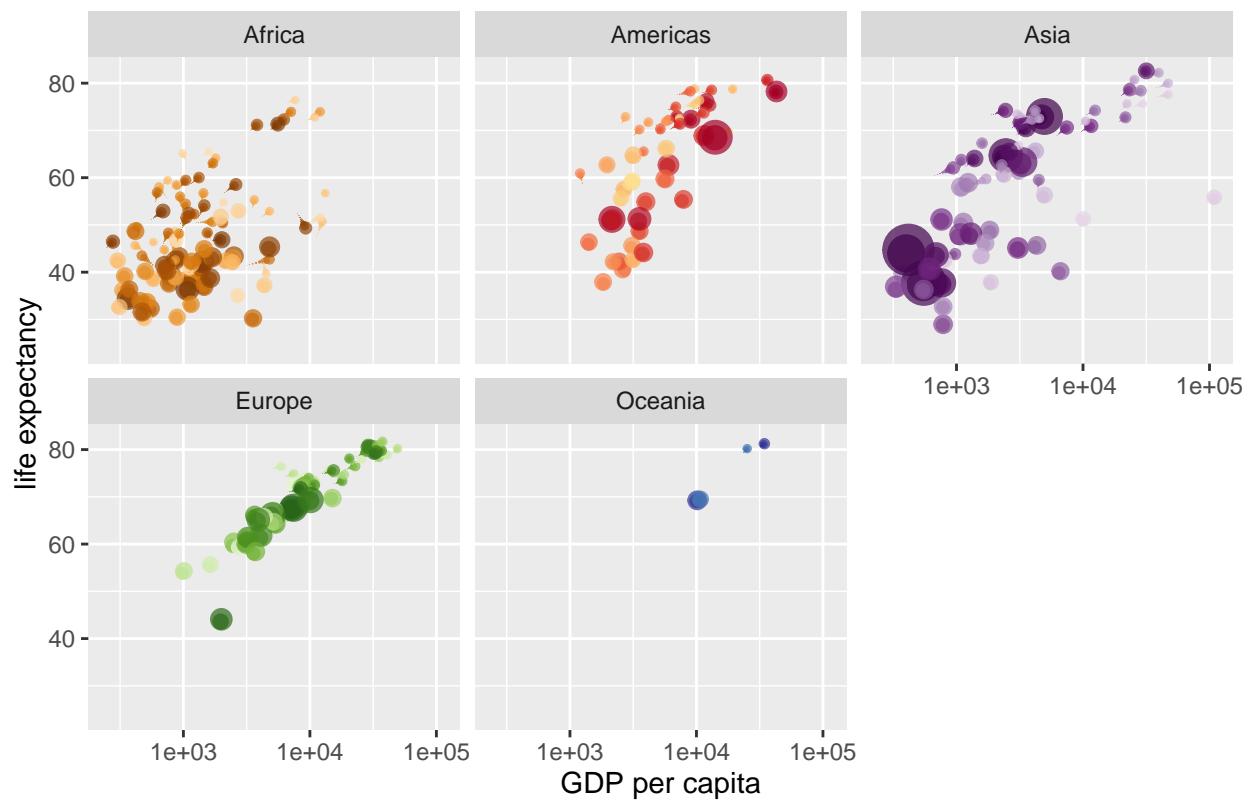
library(ggplot2)
library(gapminder)
library(gganimate)

# Setup nice regular ggplot of the gapminder data
ggplot(gapminder, aes(gdpPercap, 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() +
  # Facet by continent
  facet_wrap(~continent) +
  # Here comes the gganimate specific bits
  labs(title = 'Year: {frame_time}', x = 'GDP per capita', y = 'life expectancy') +
  transition_time(year) +
  shadow_wake(wake_length = 0.1, alpha = FALSE)
```

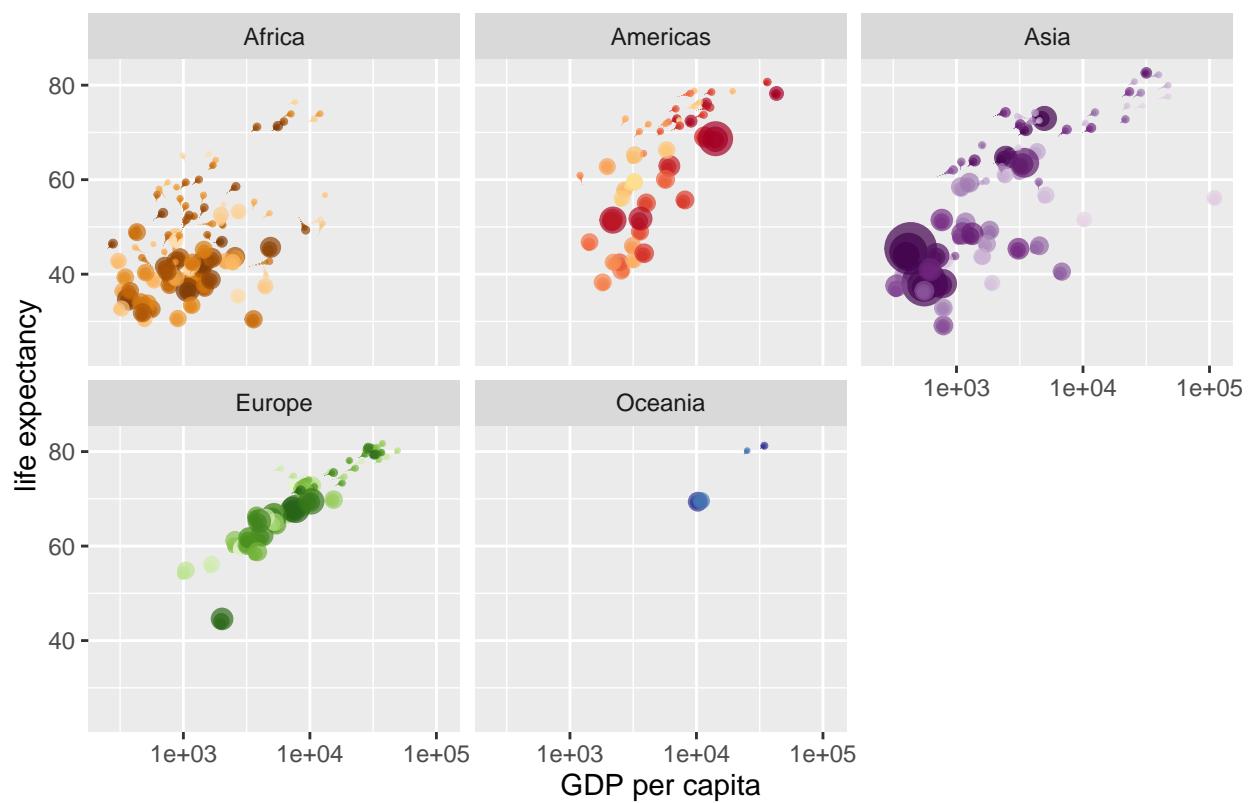
Year: 1952



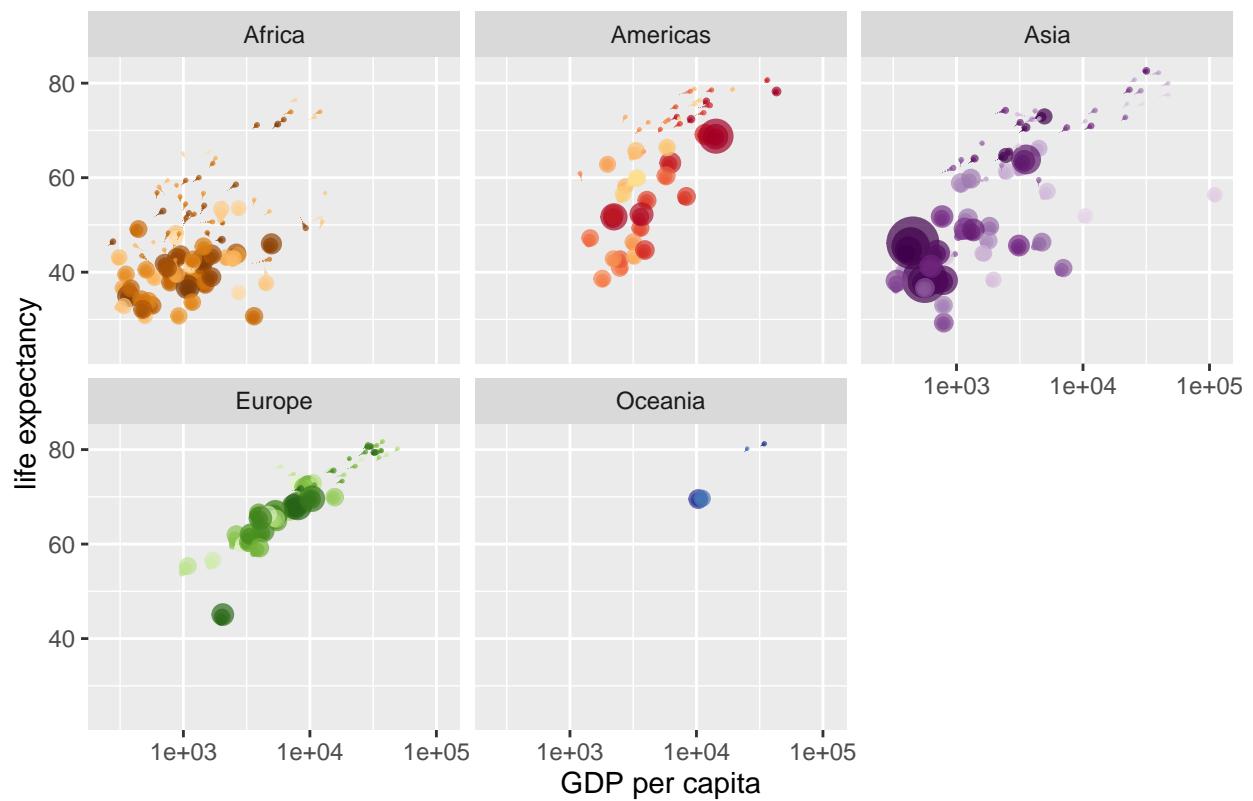
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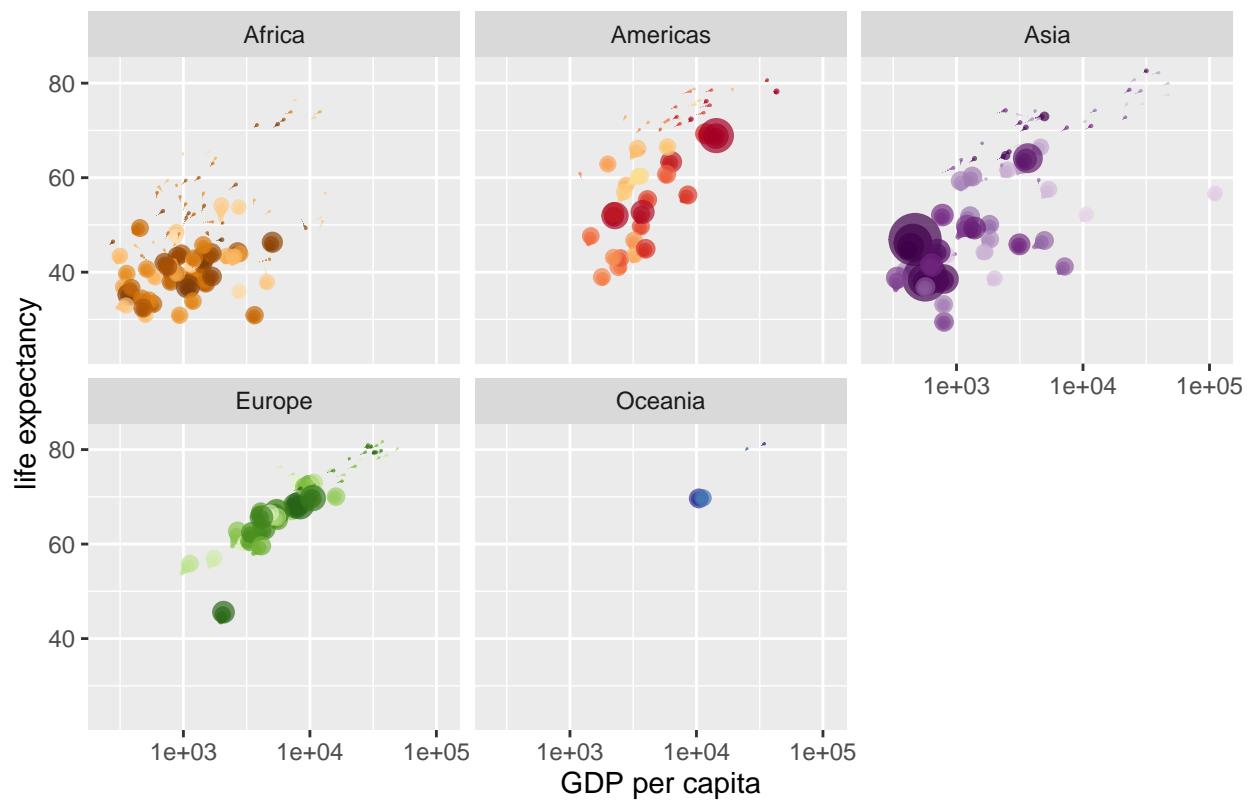
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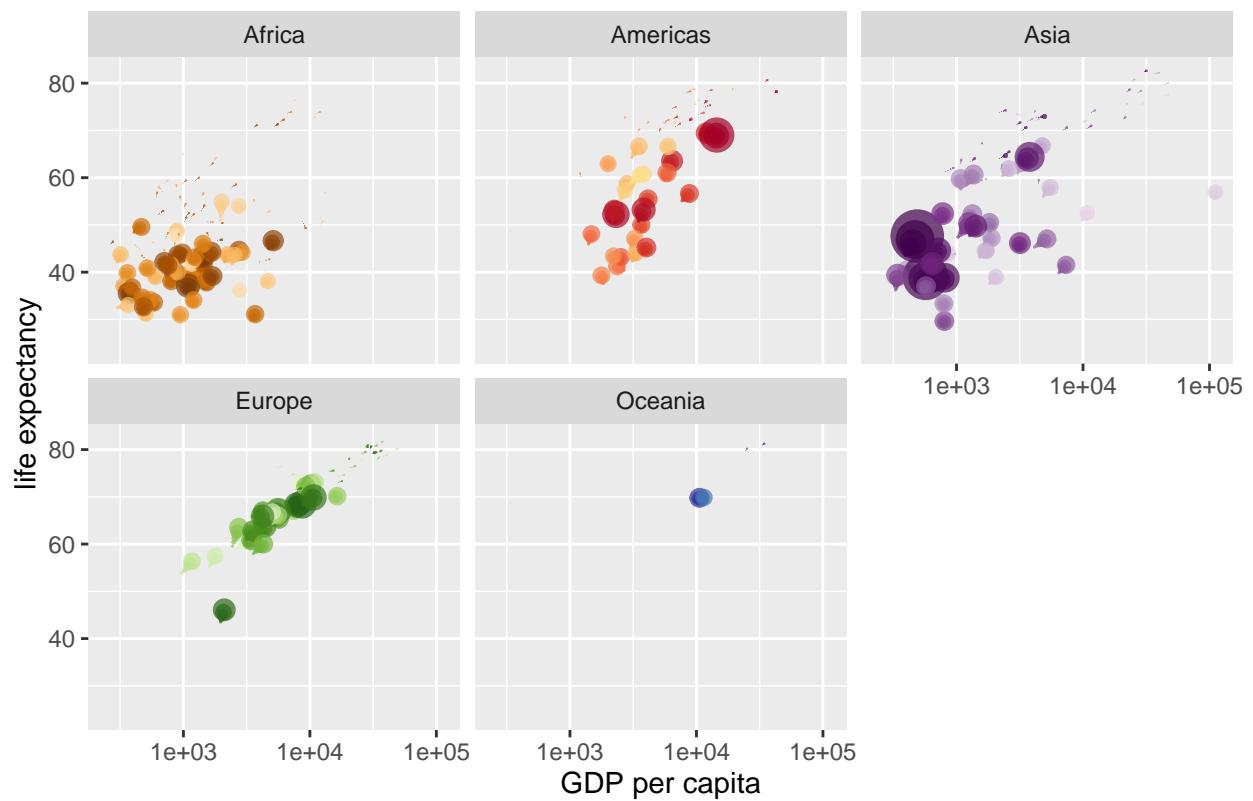
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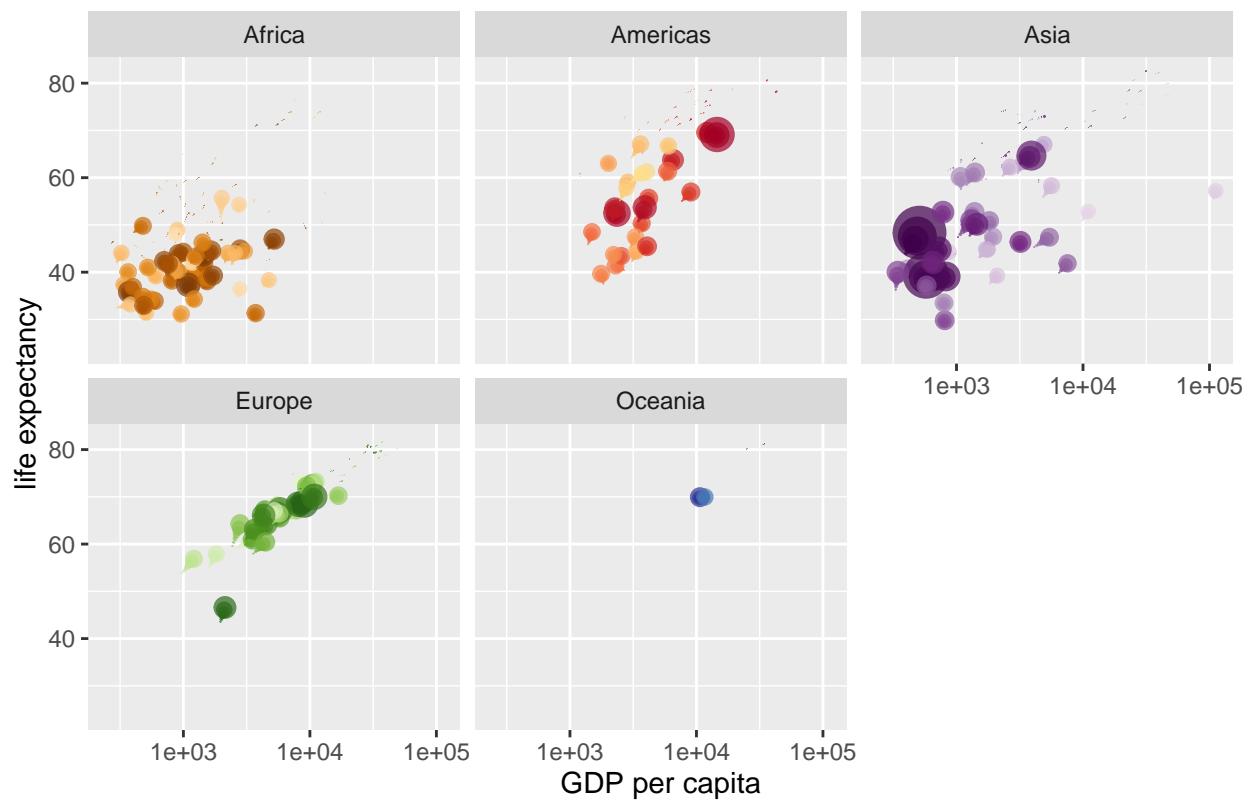
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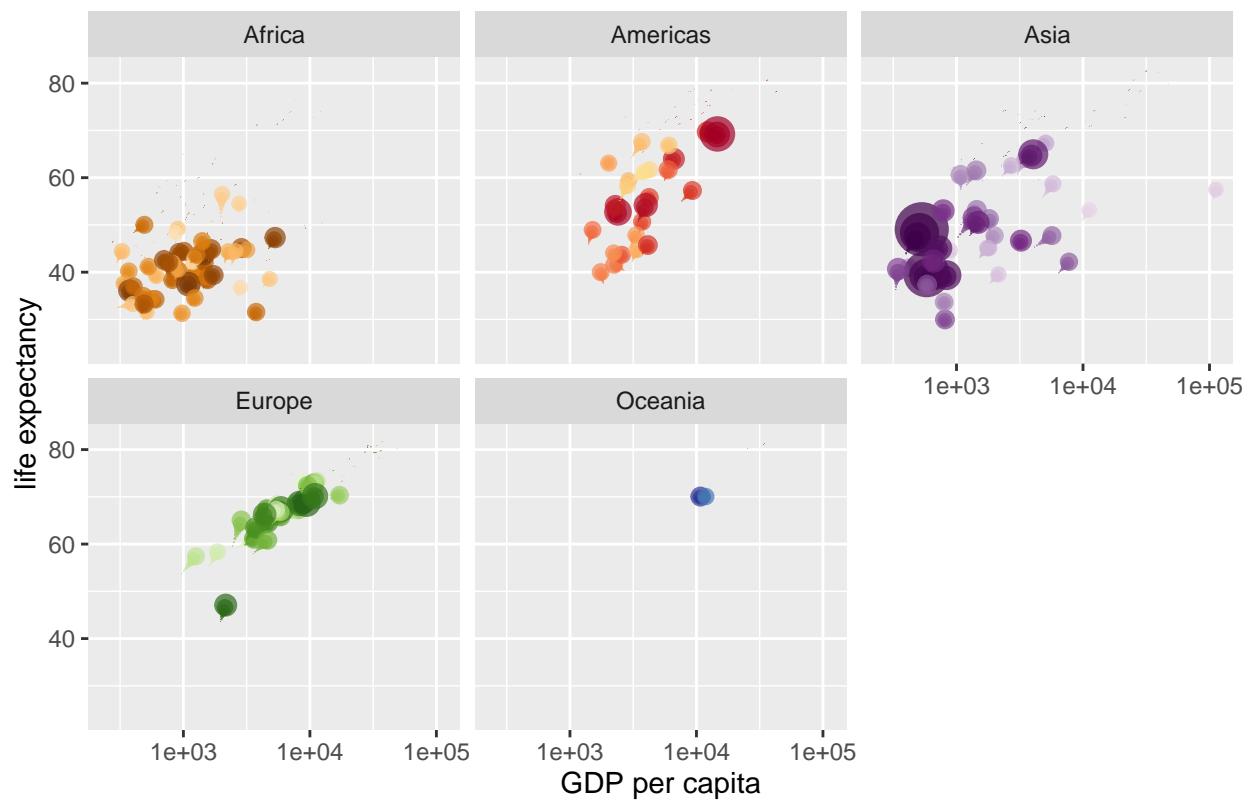
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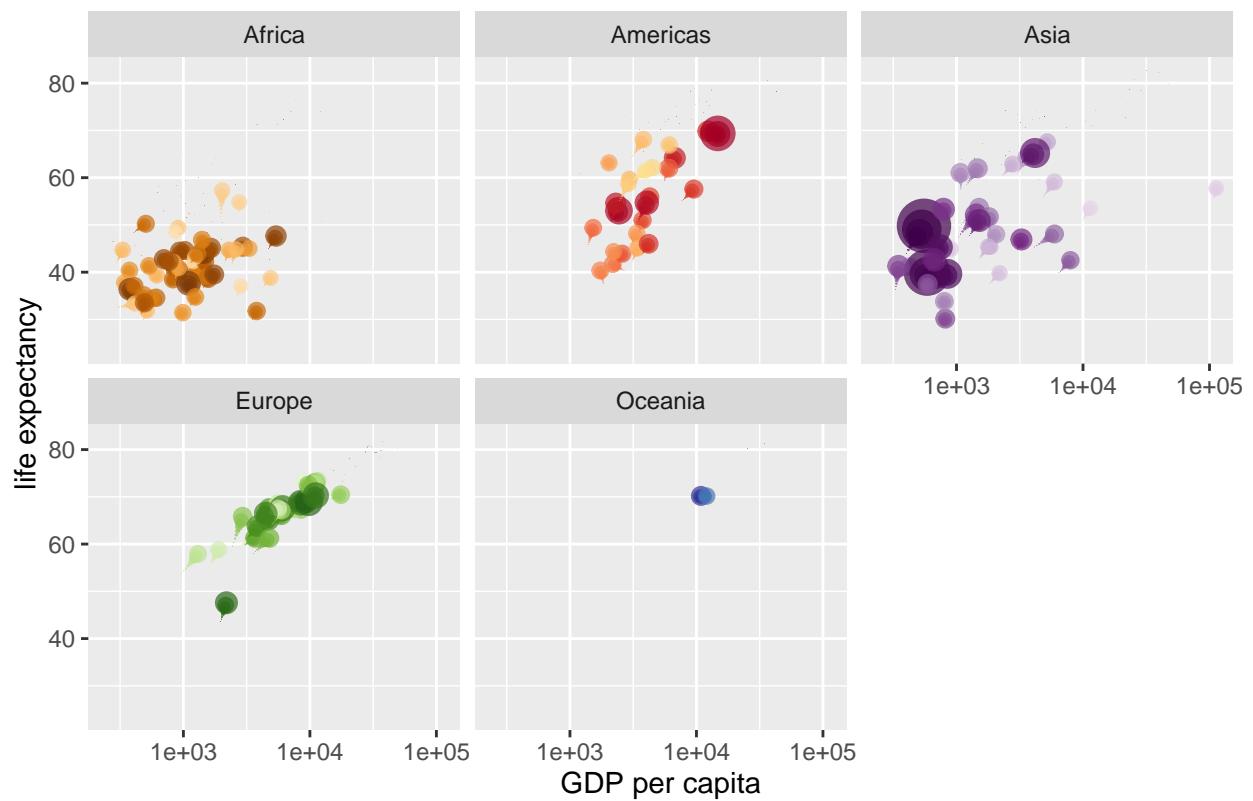
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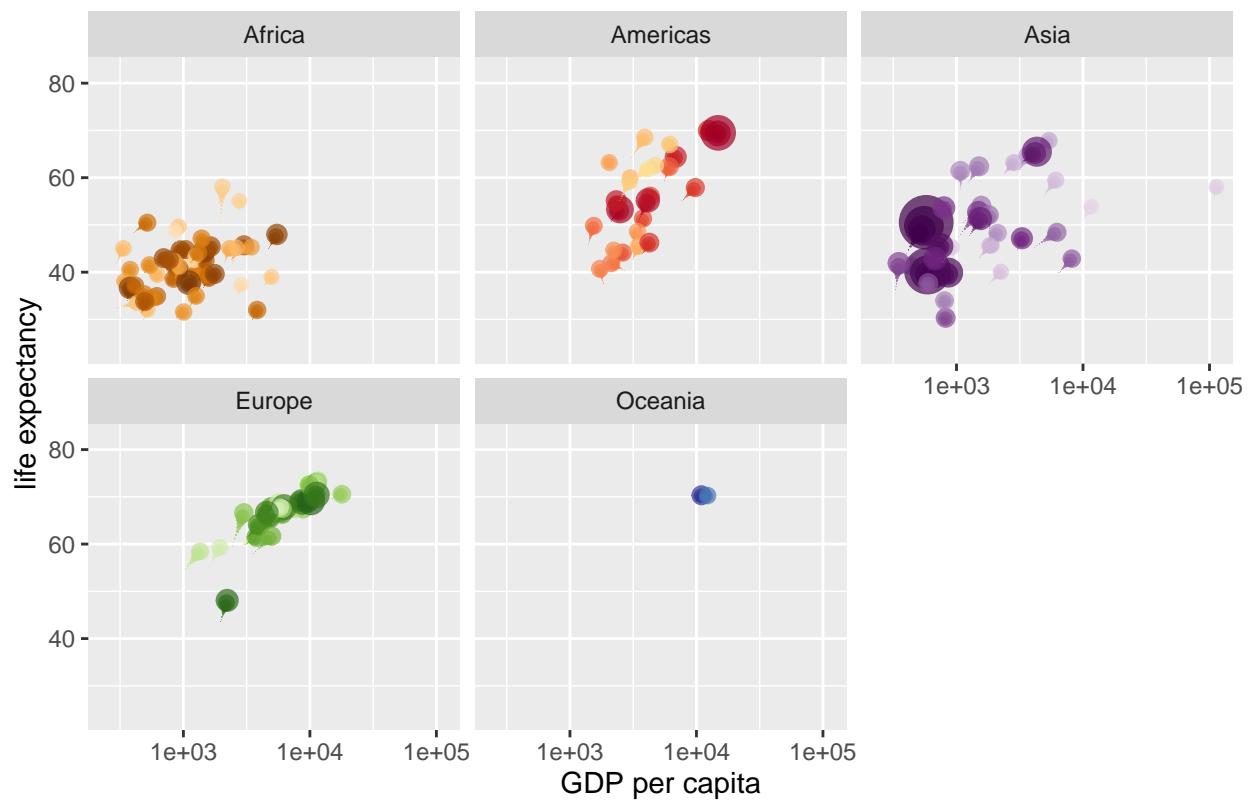
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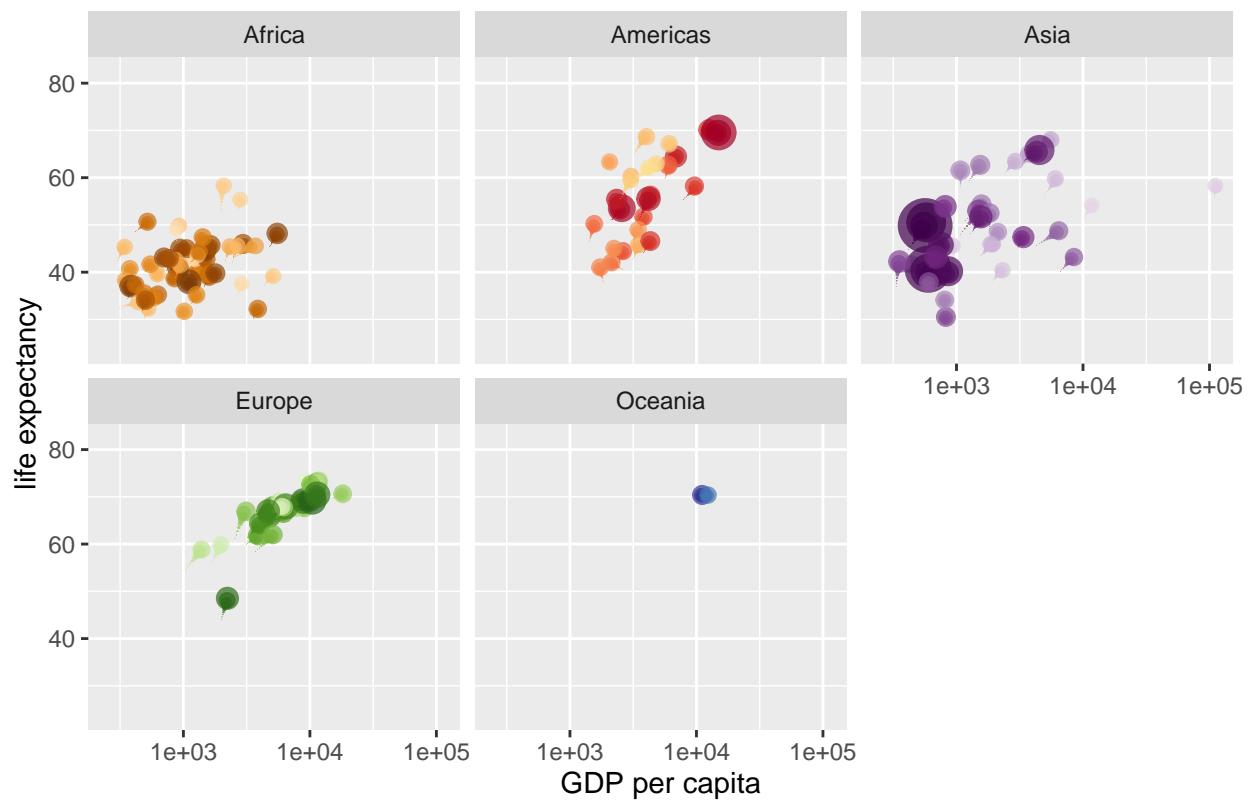
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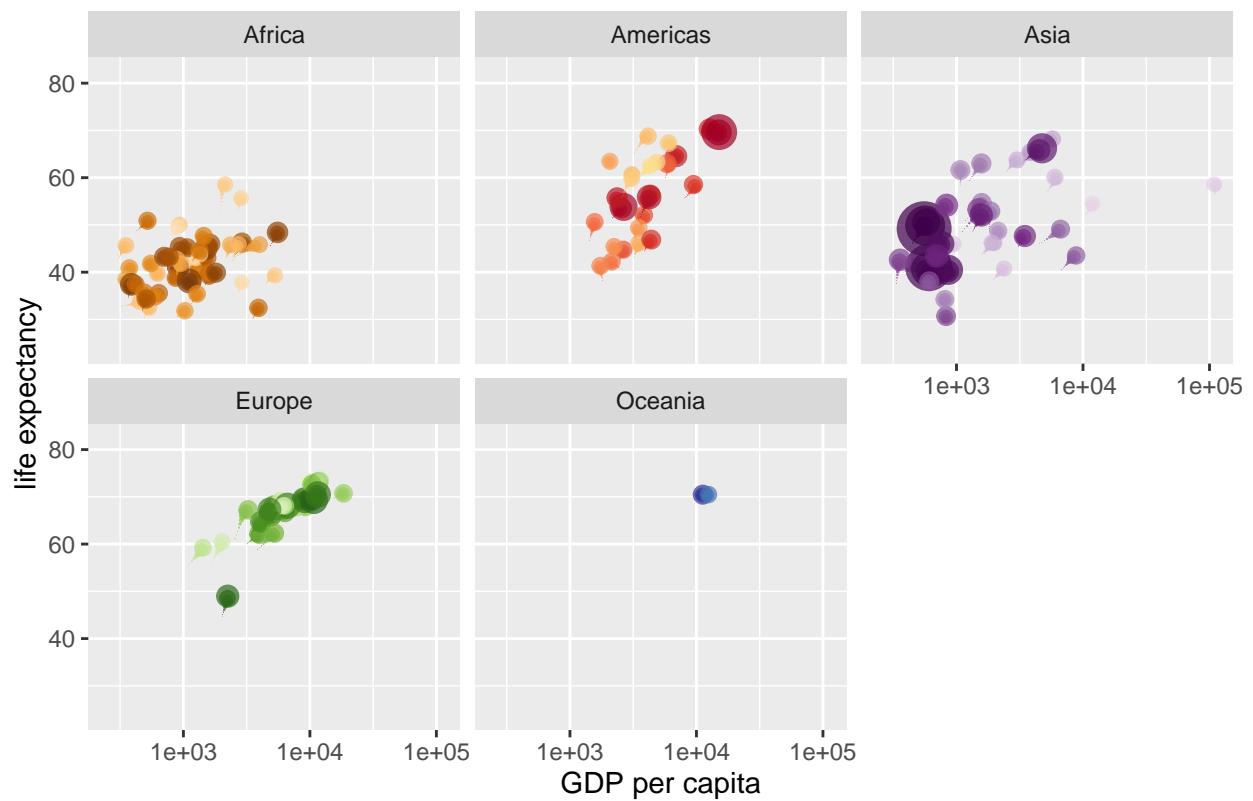
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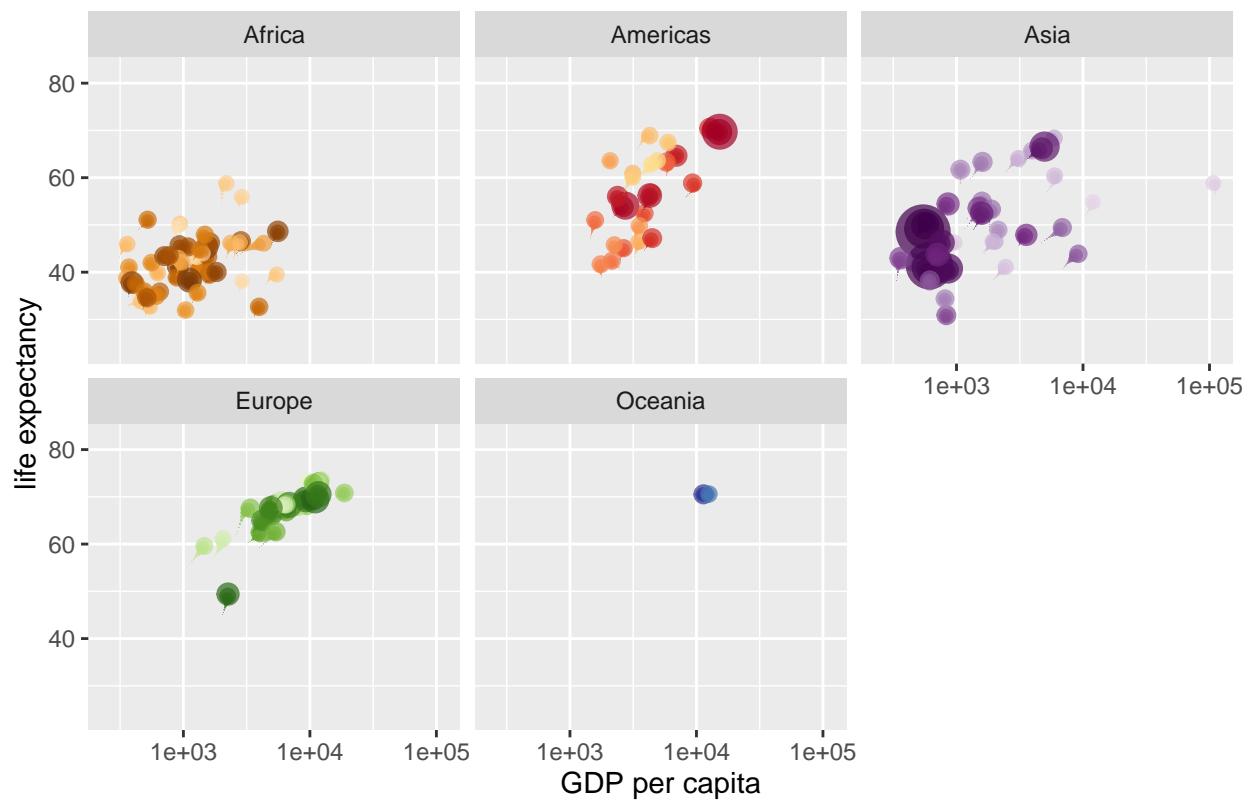
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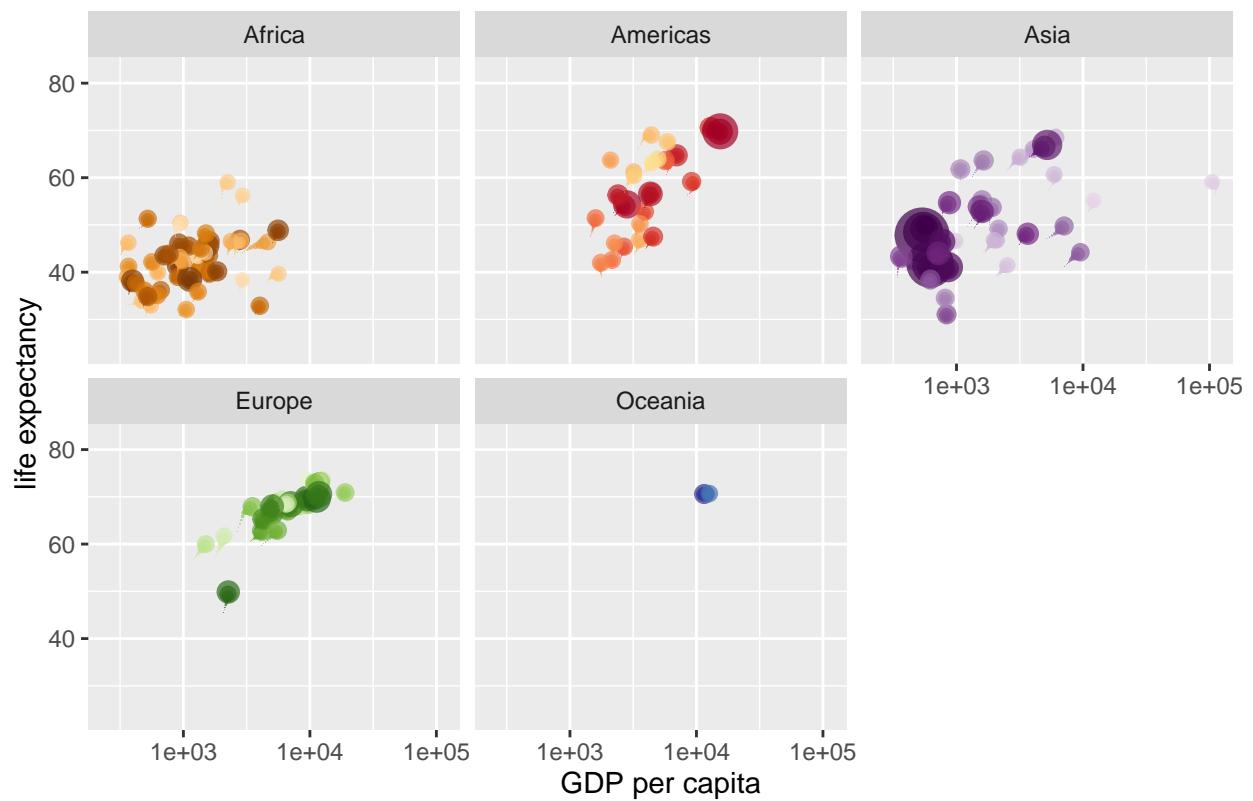
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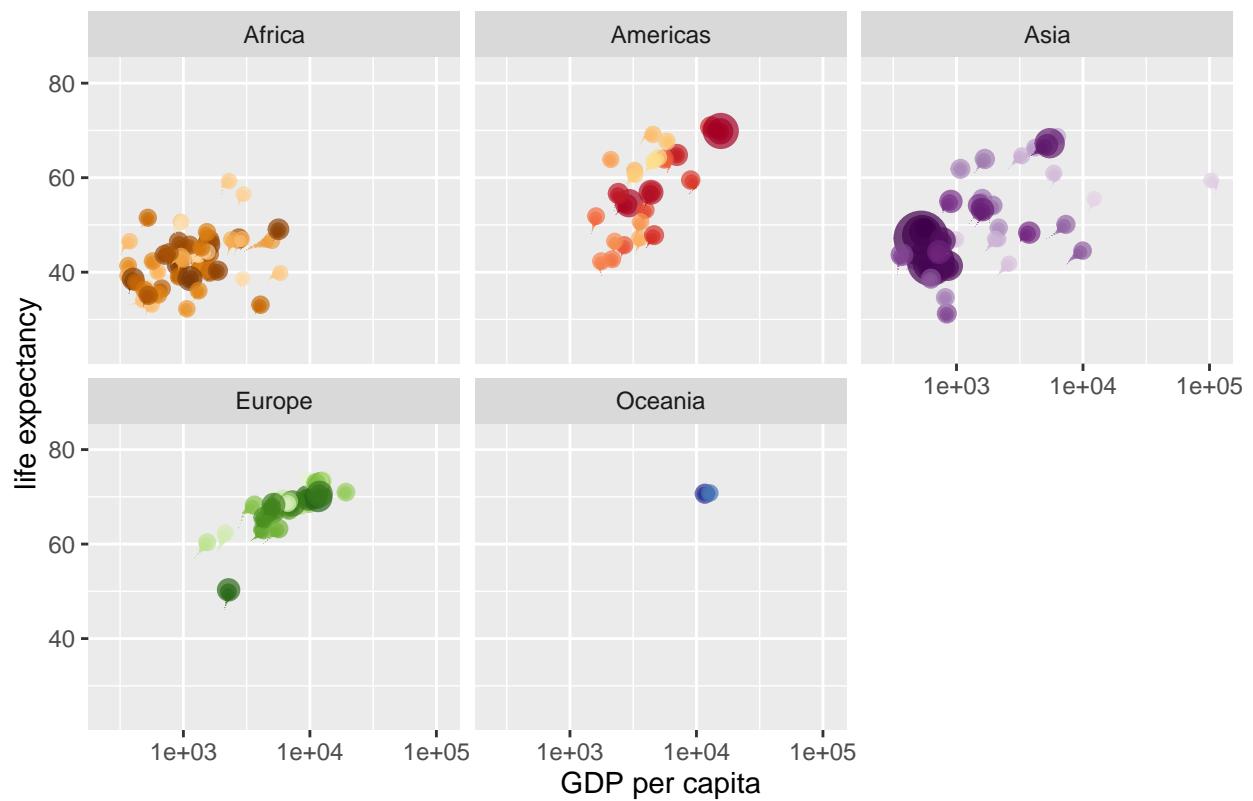
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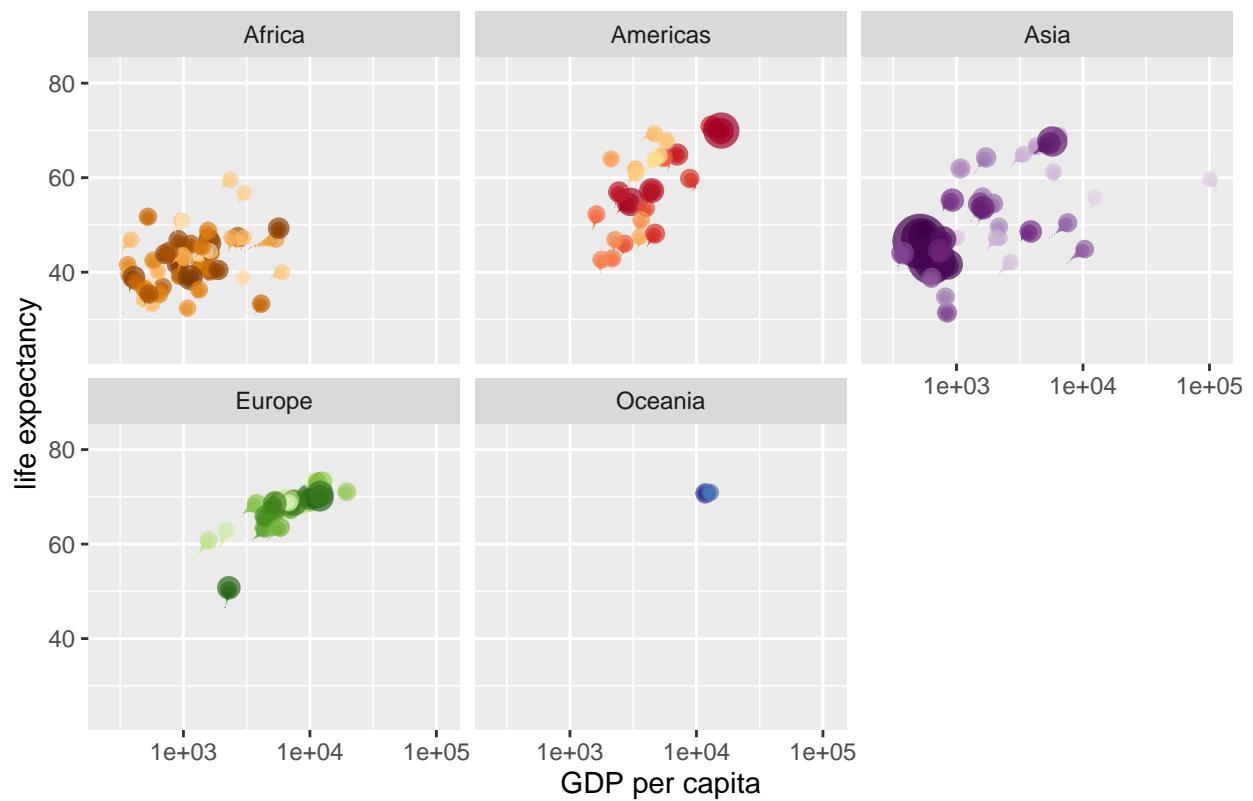
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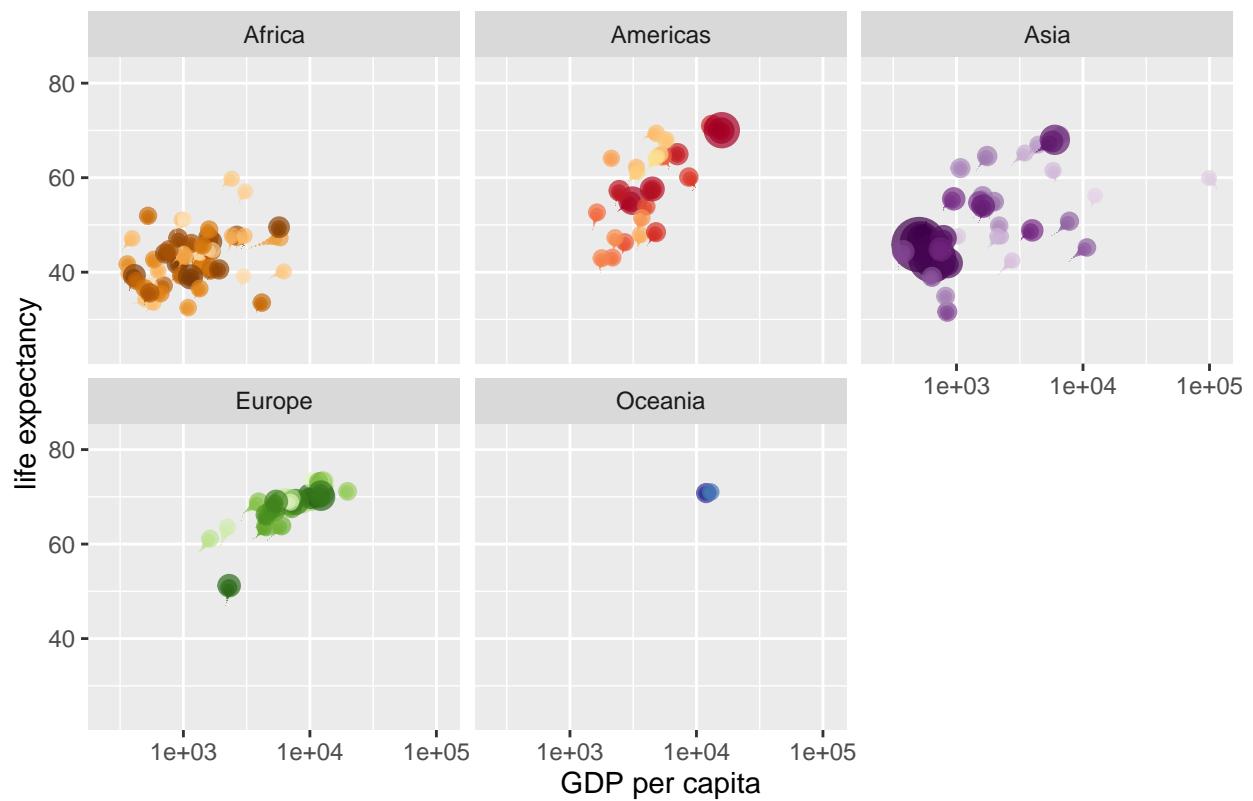
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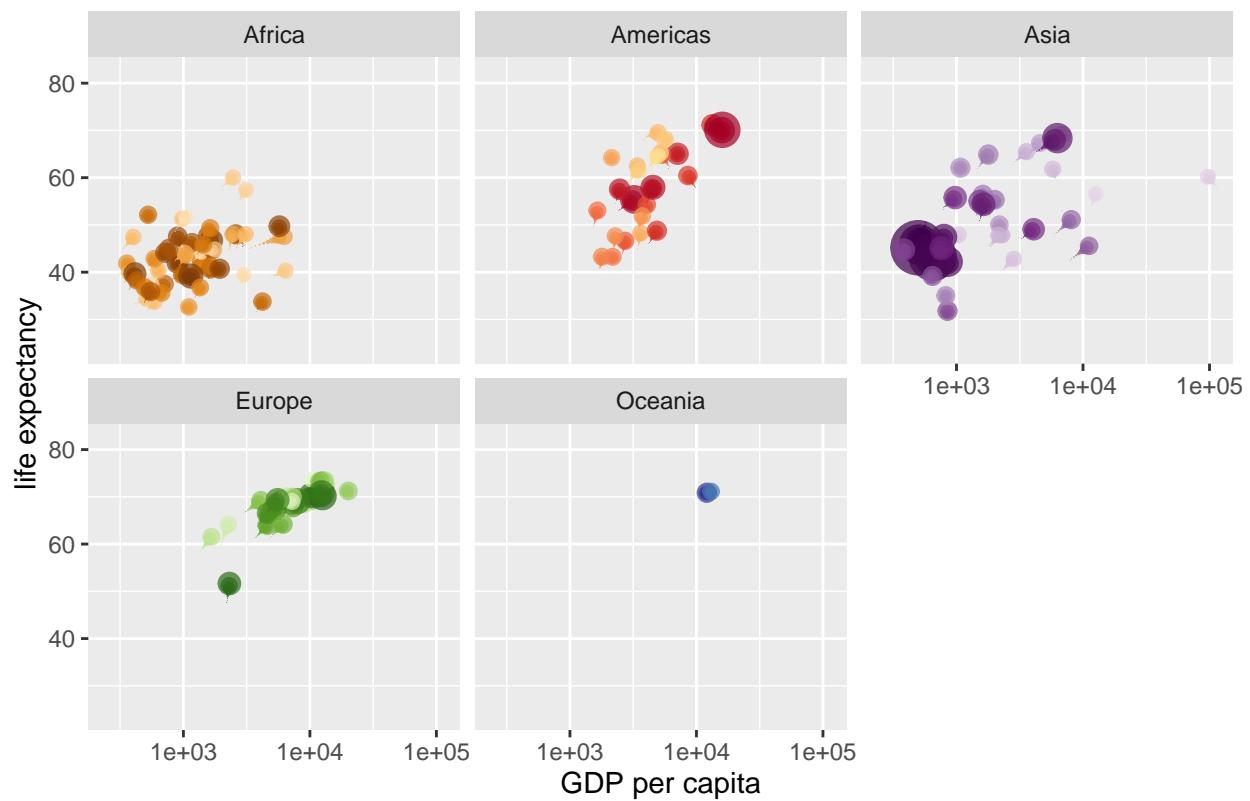
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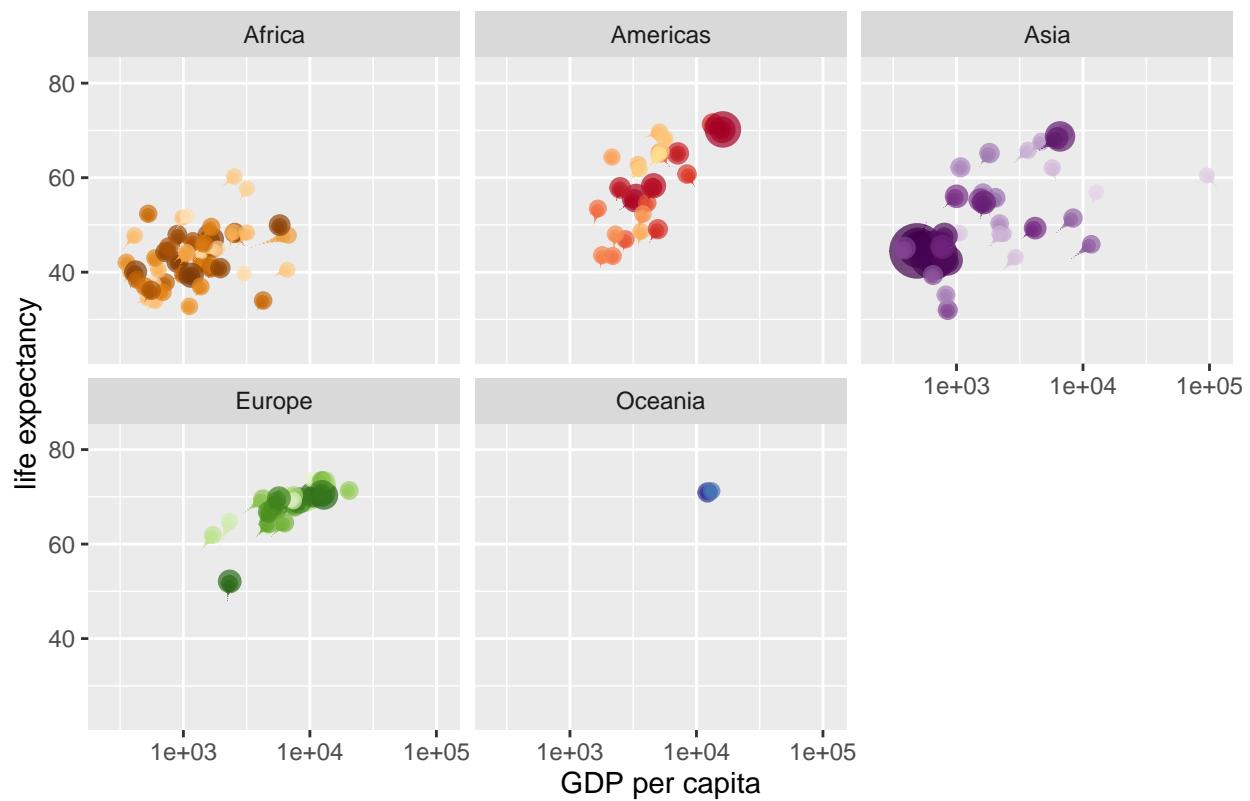
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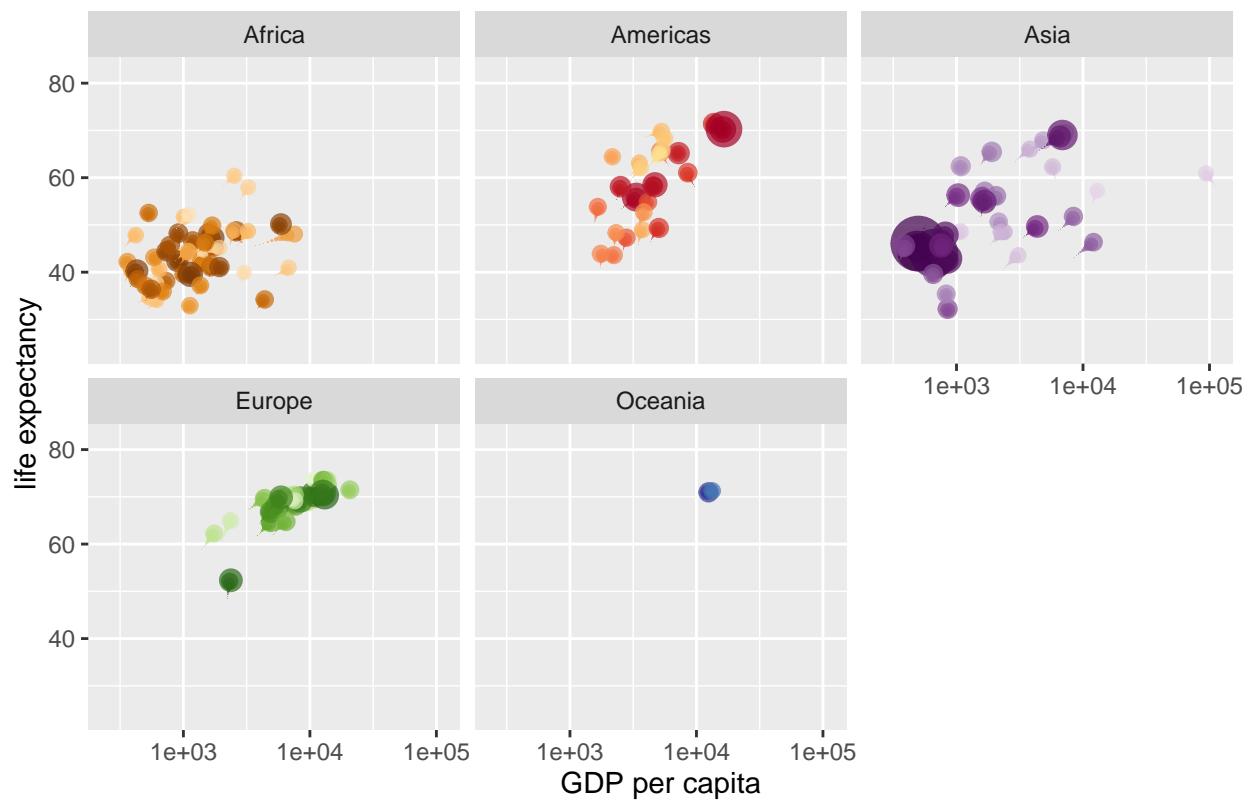
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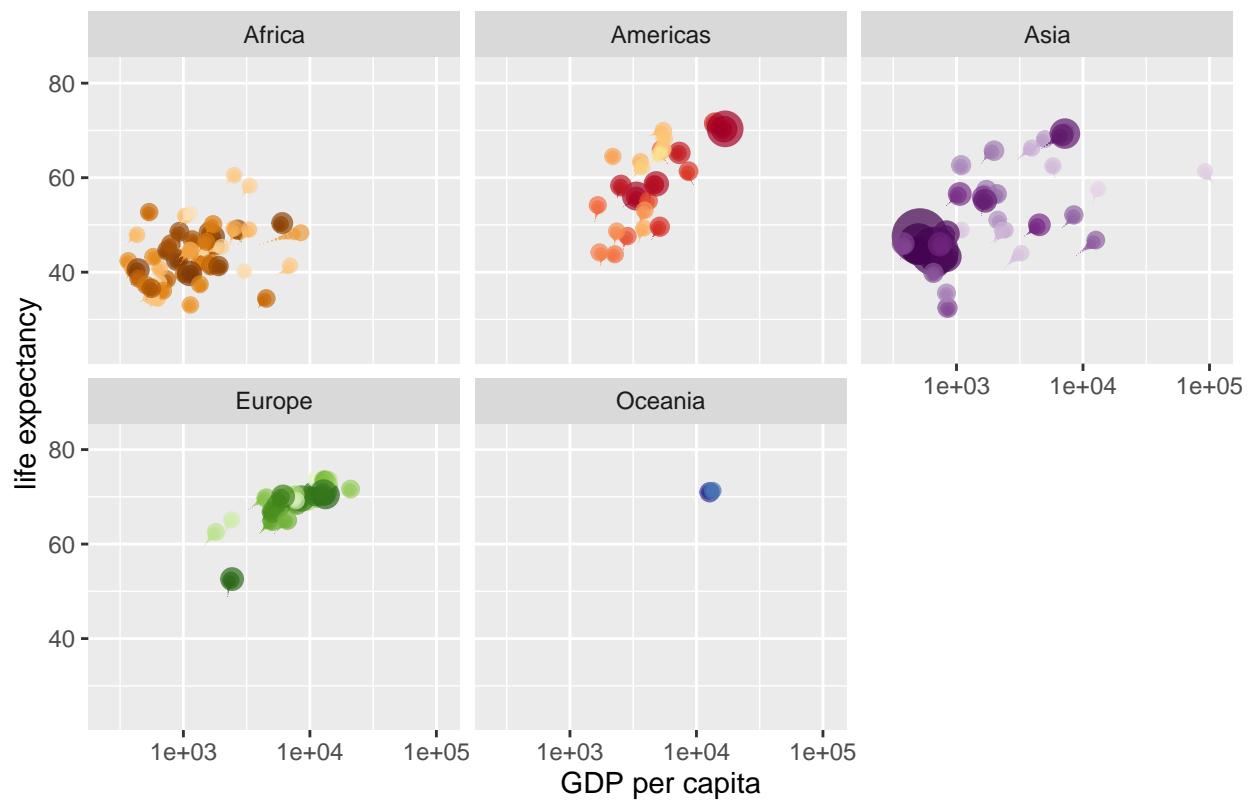
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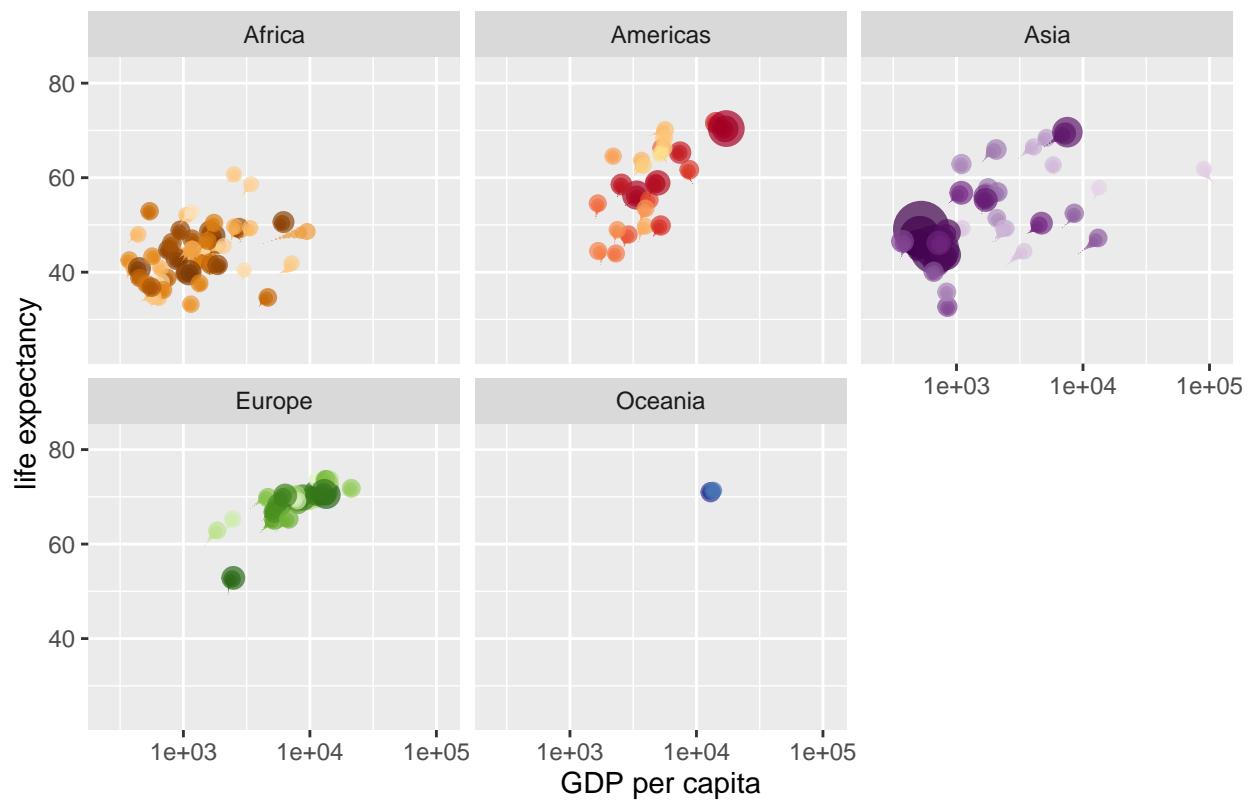
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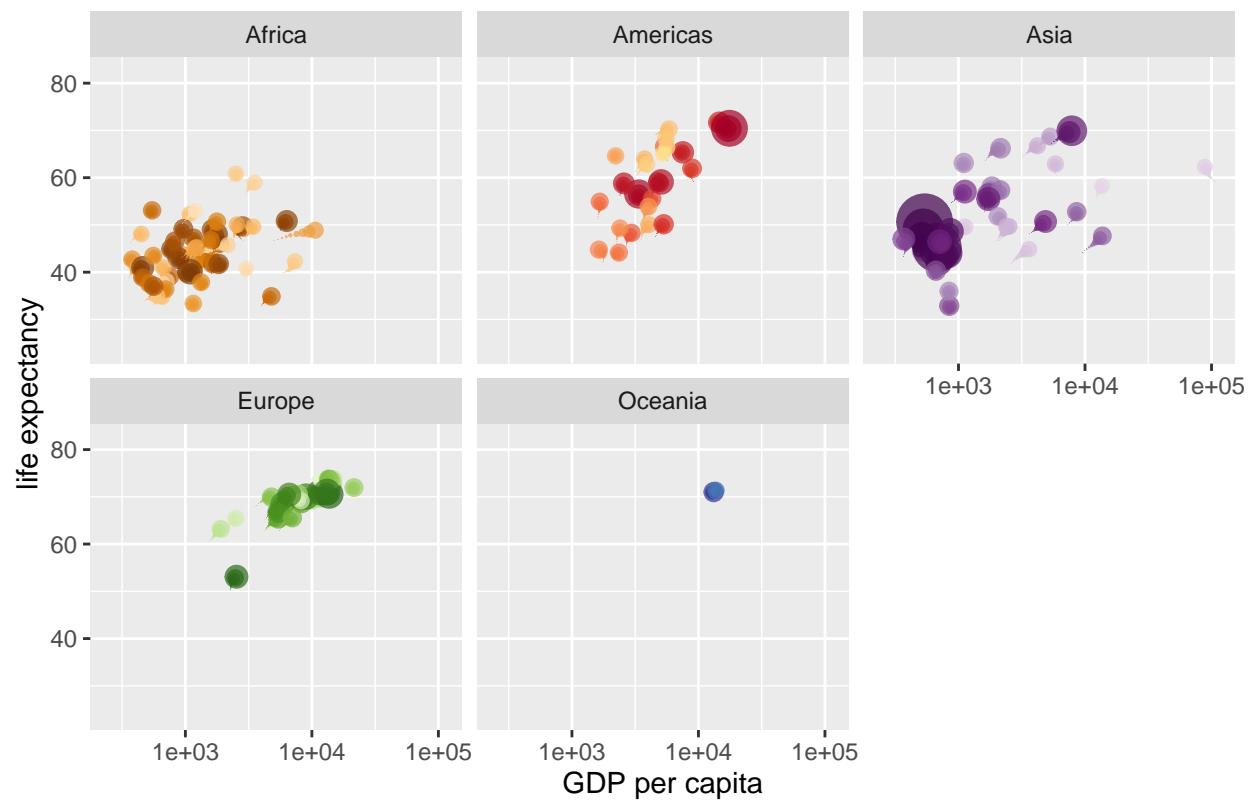
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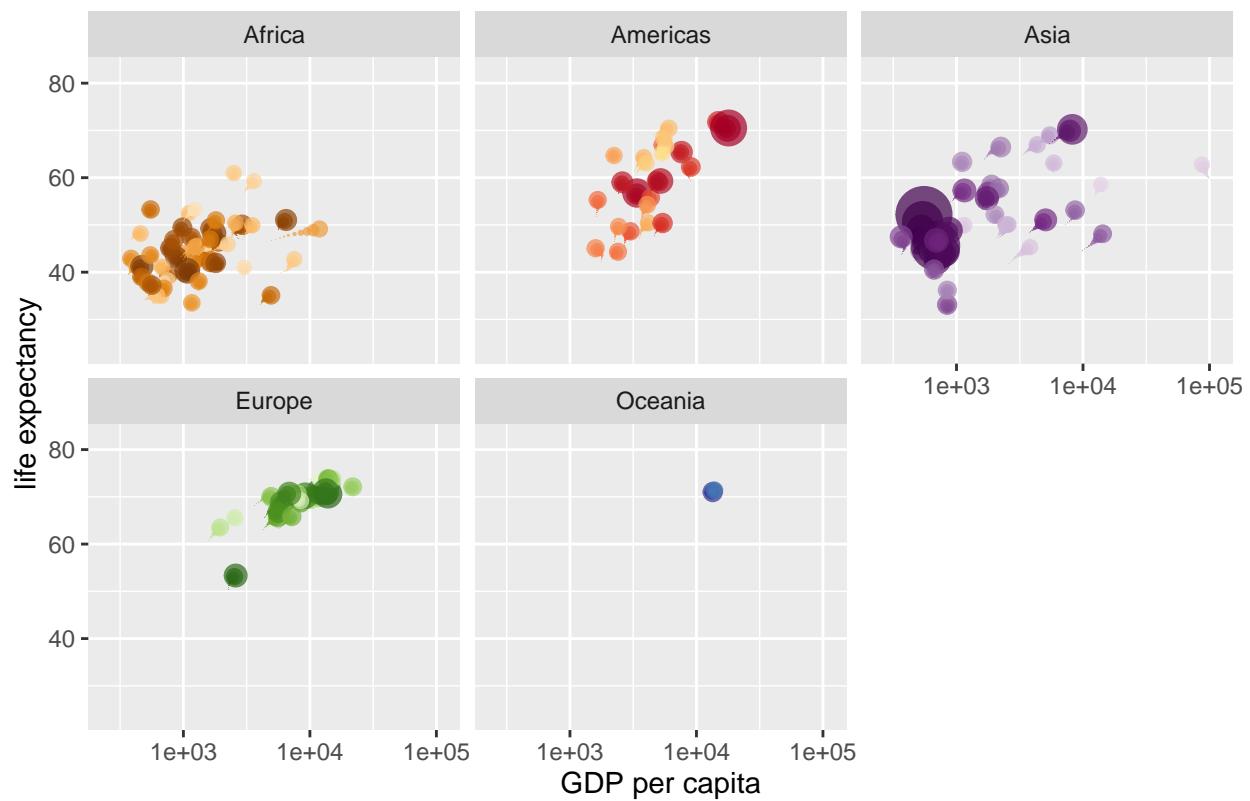
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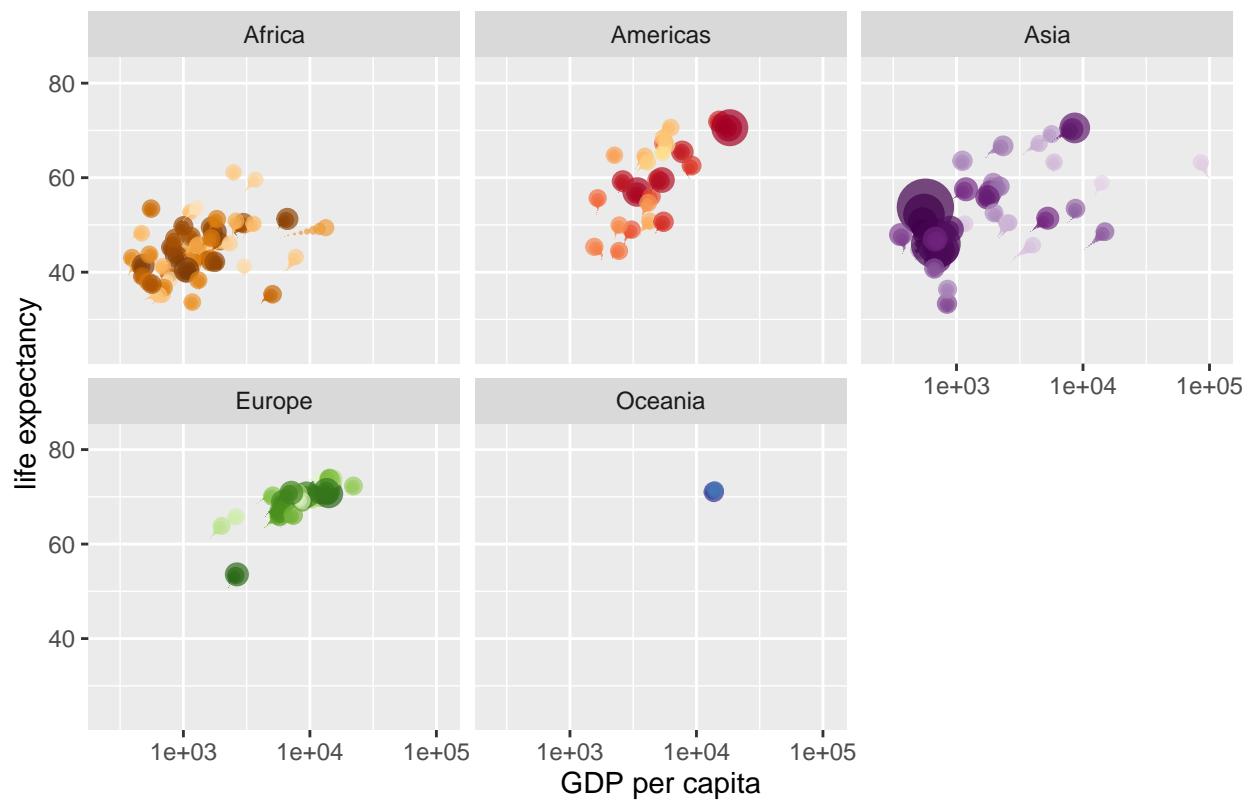
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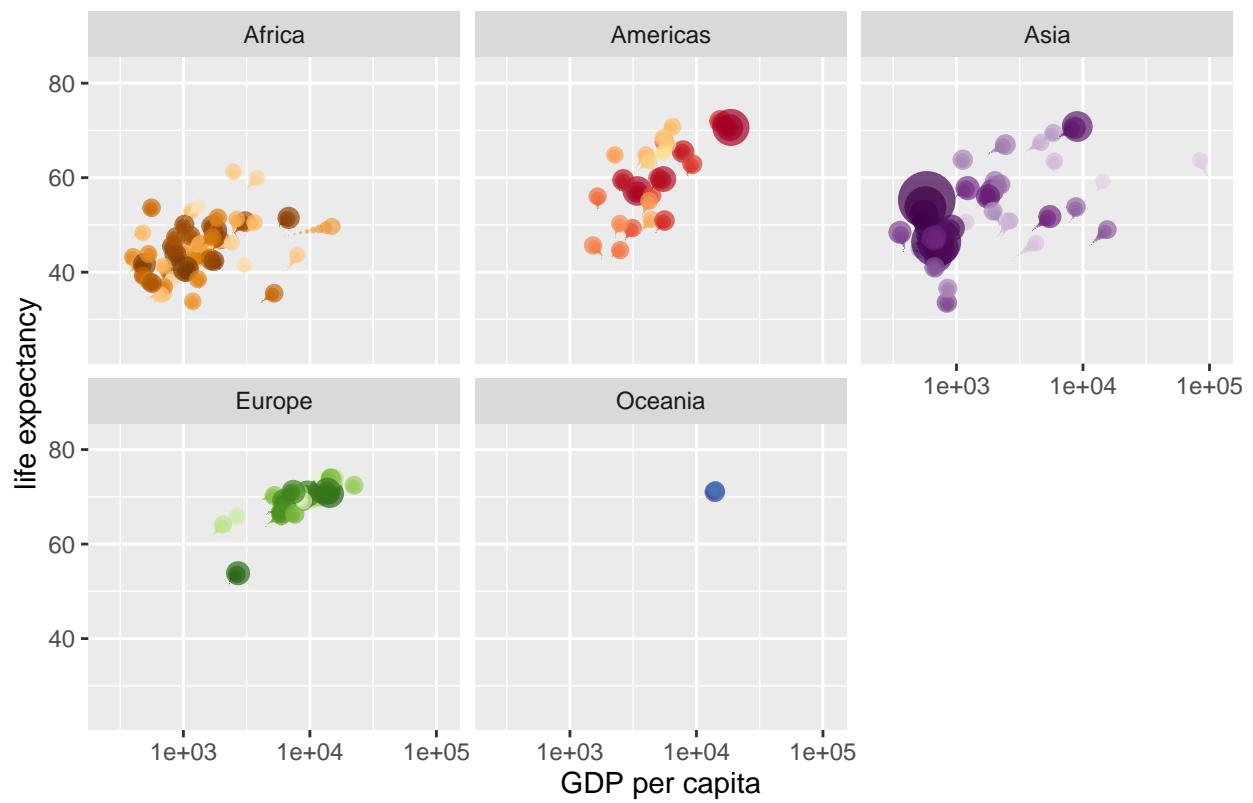
Year: 1965



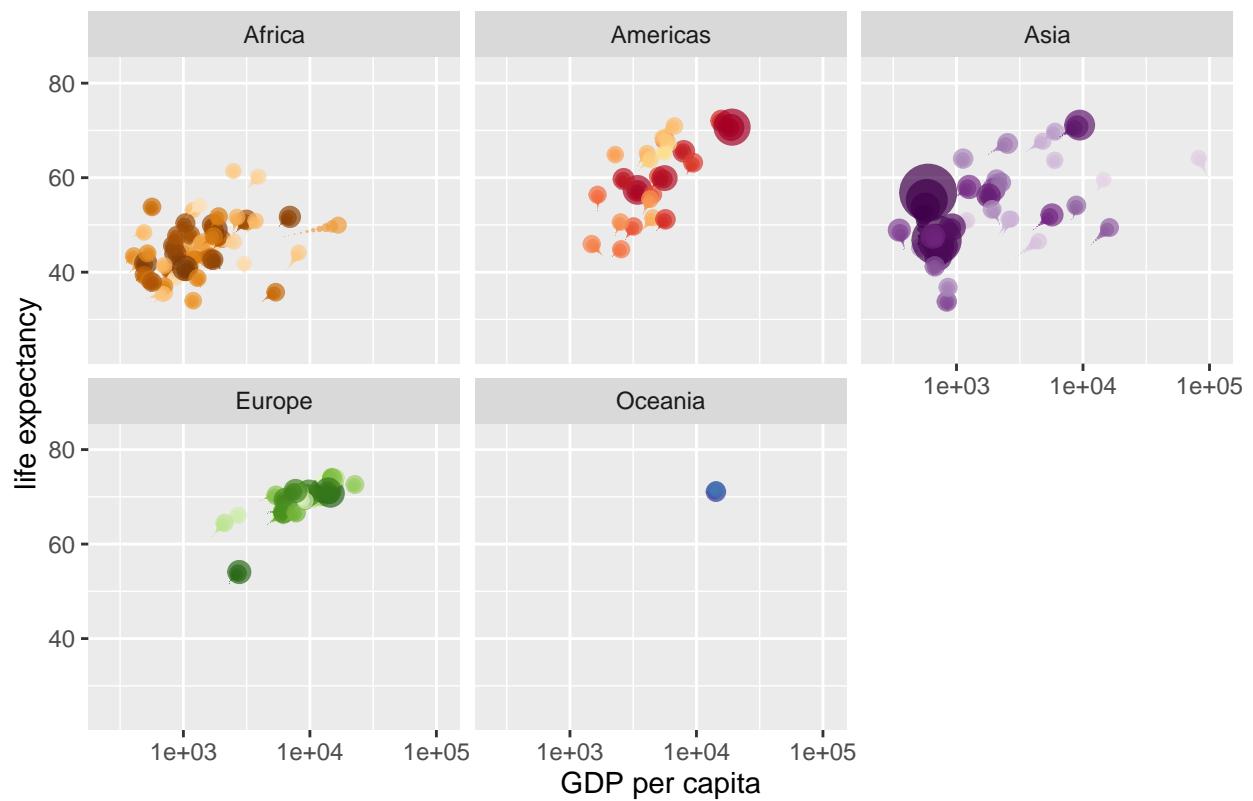
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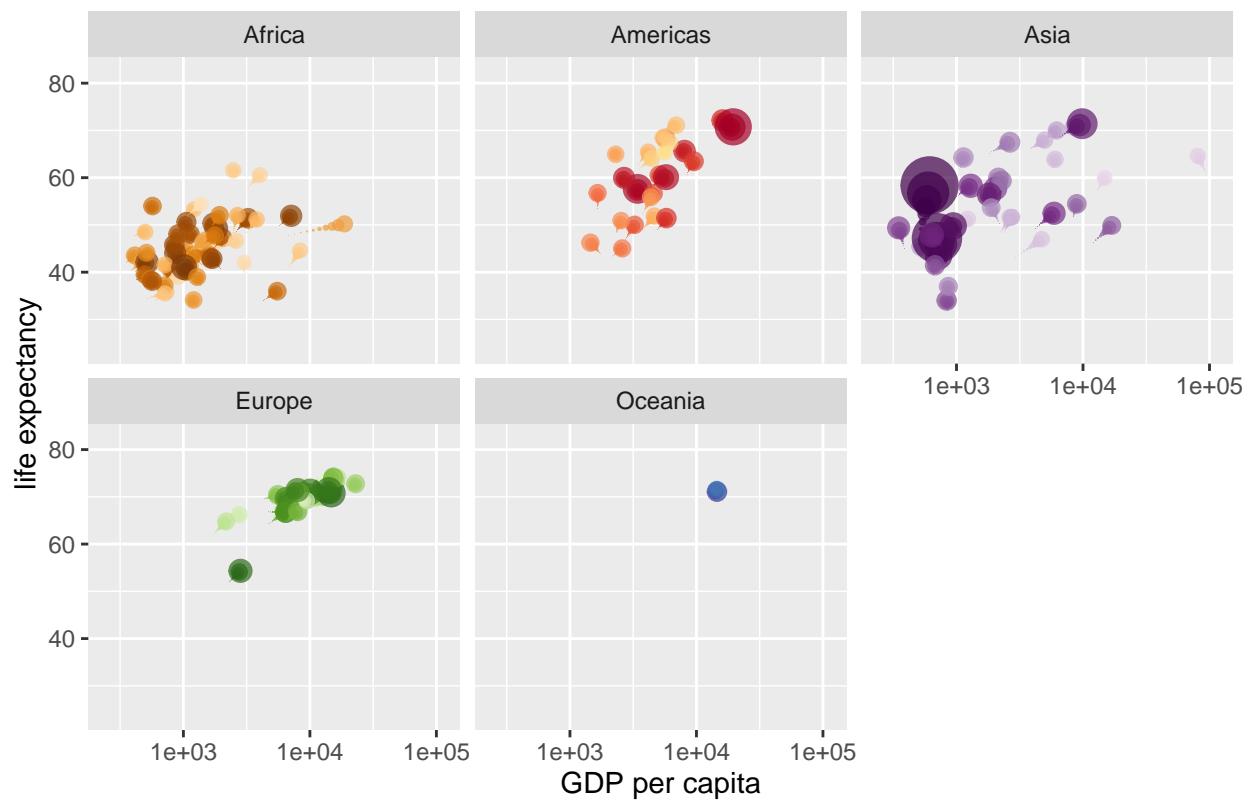
Year: 1966



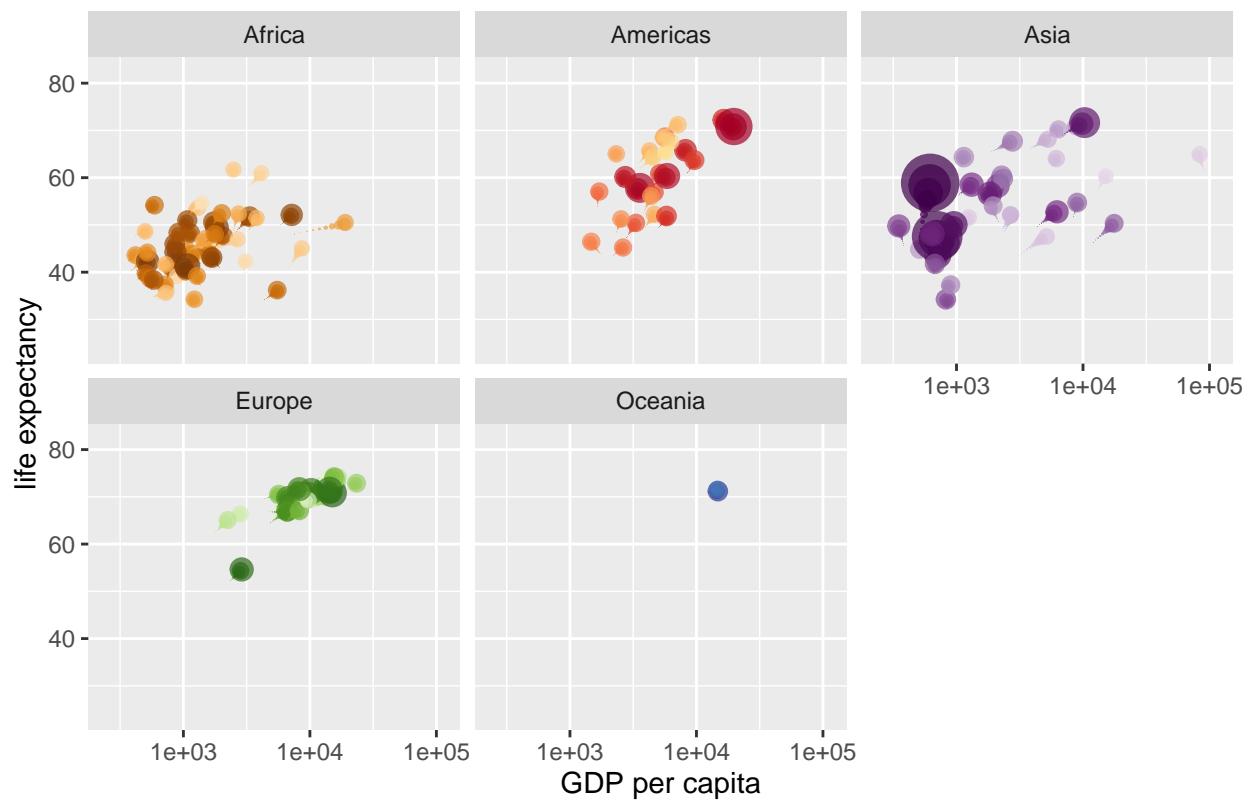
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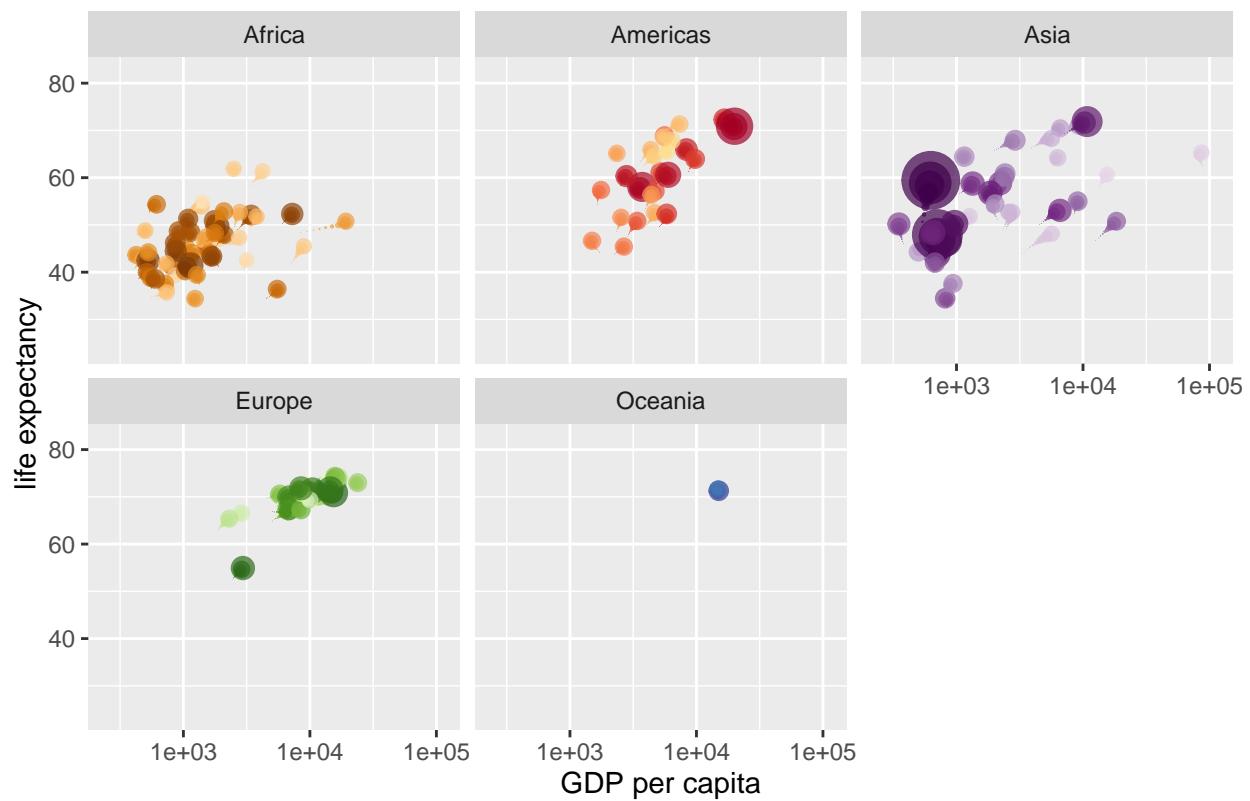
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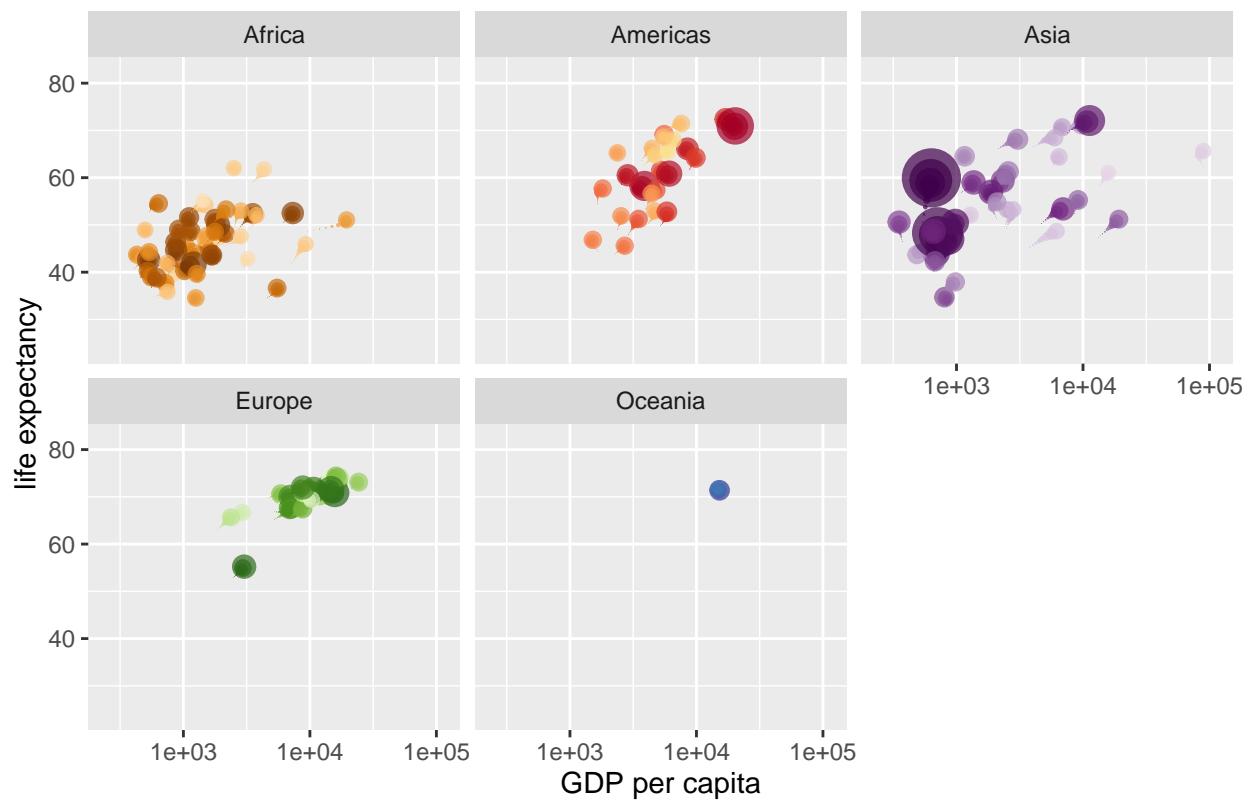
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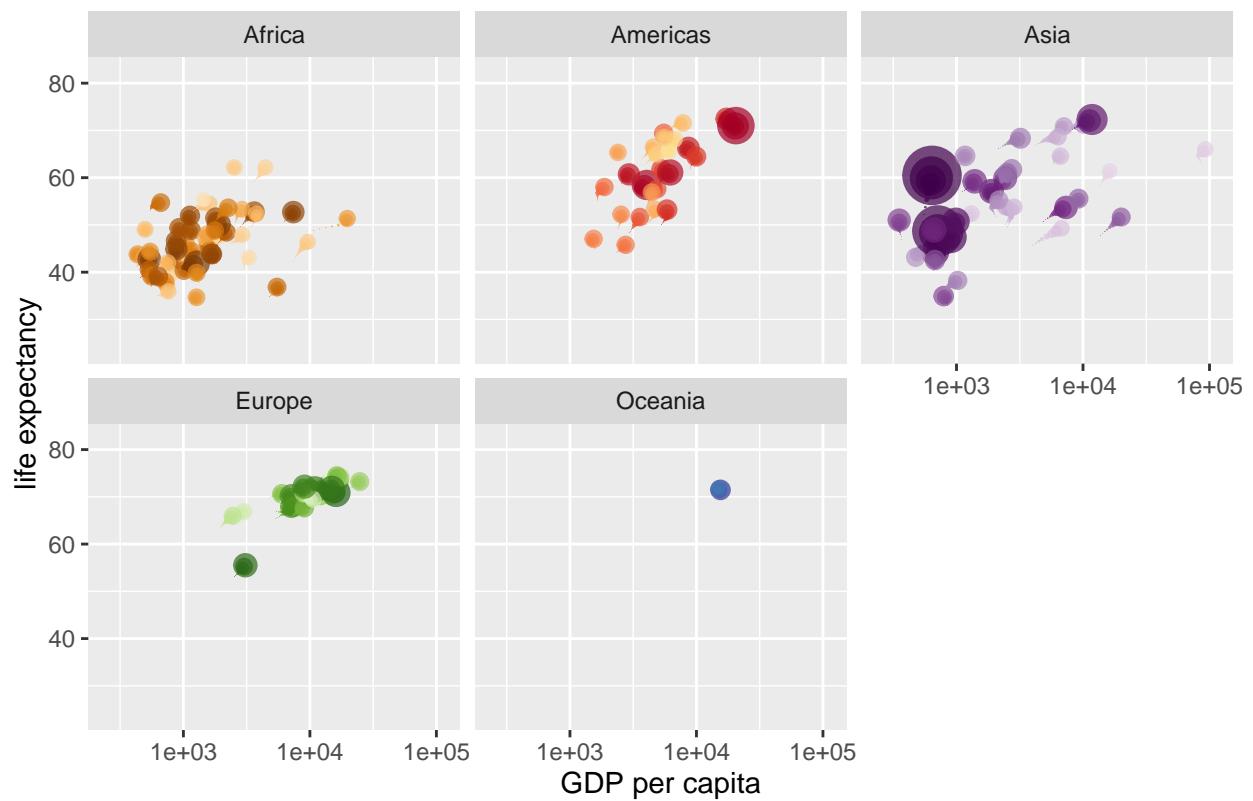
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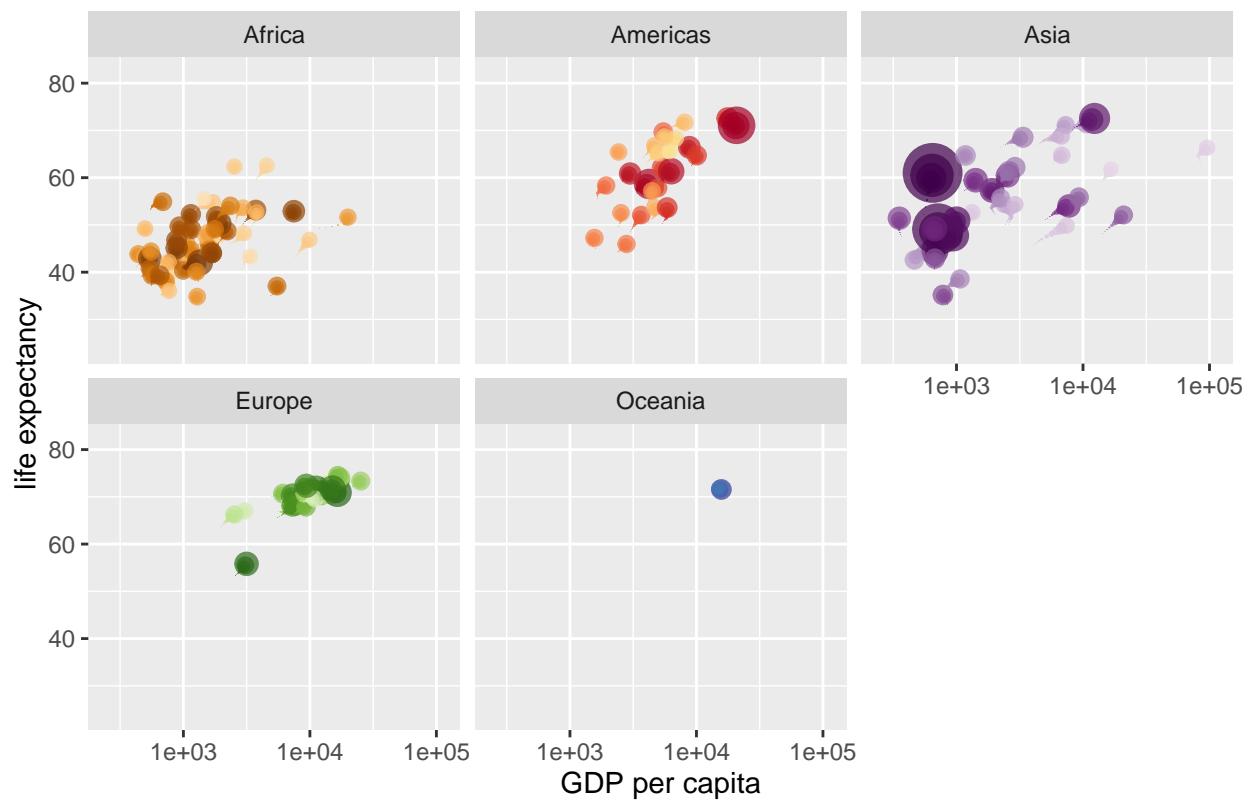
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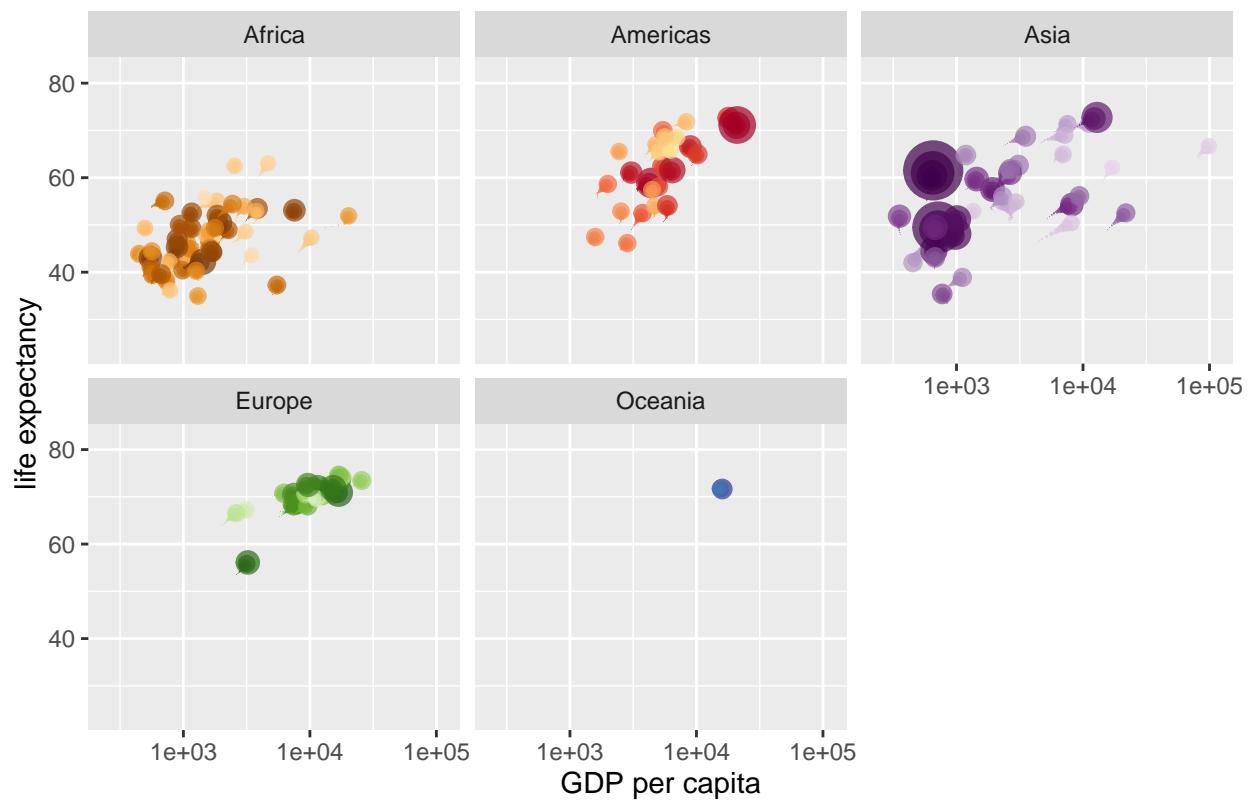
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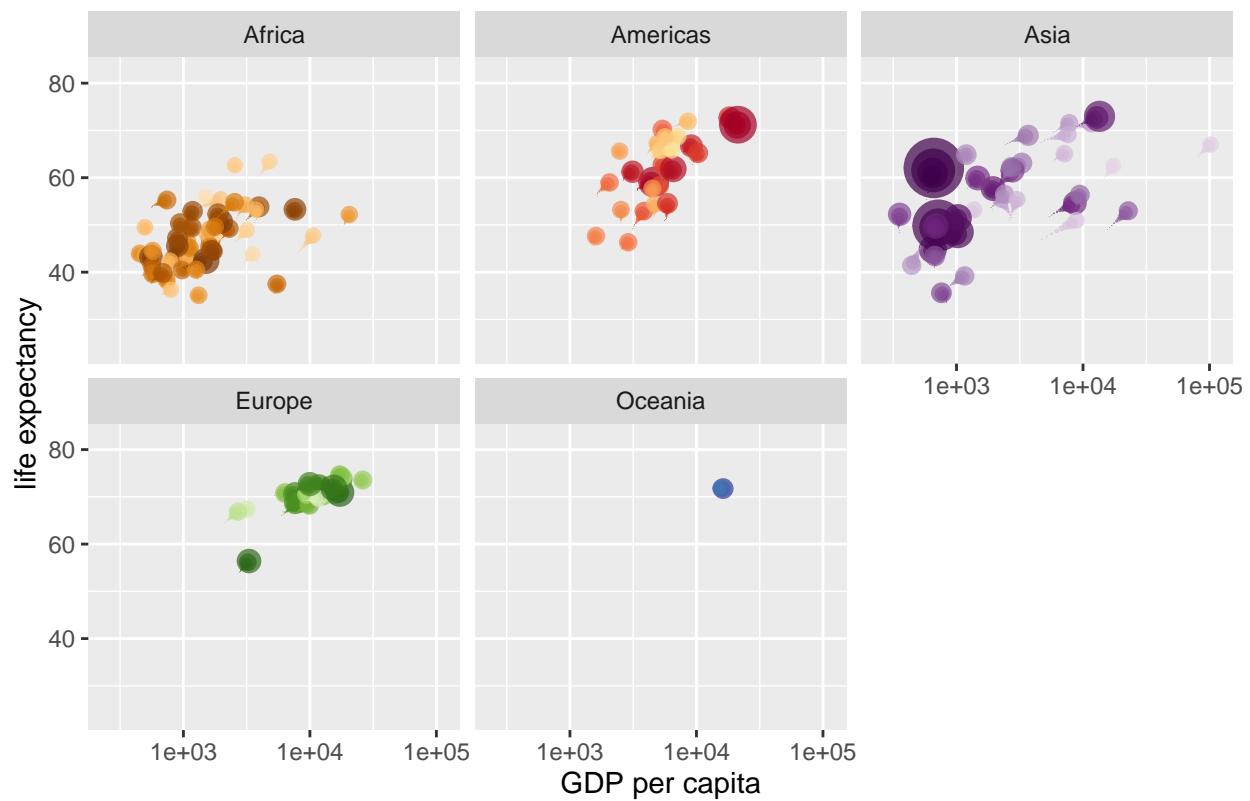
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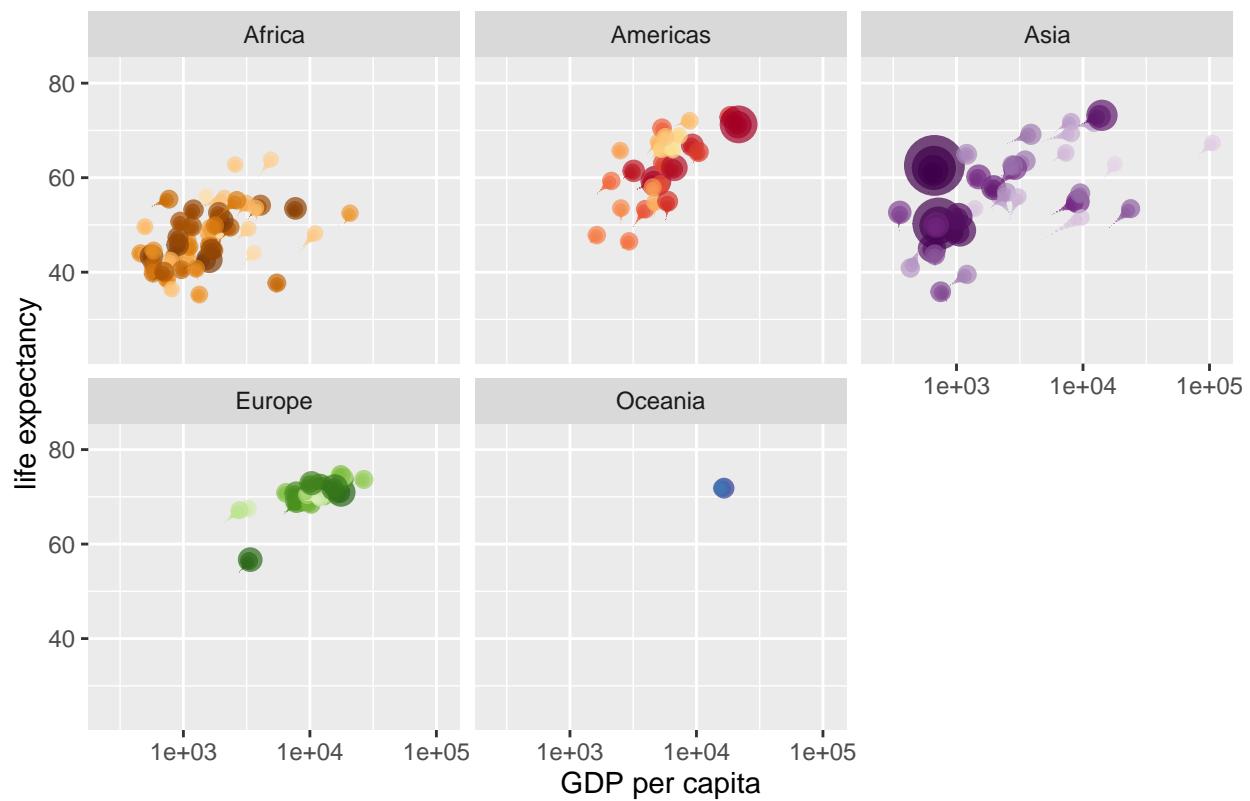
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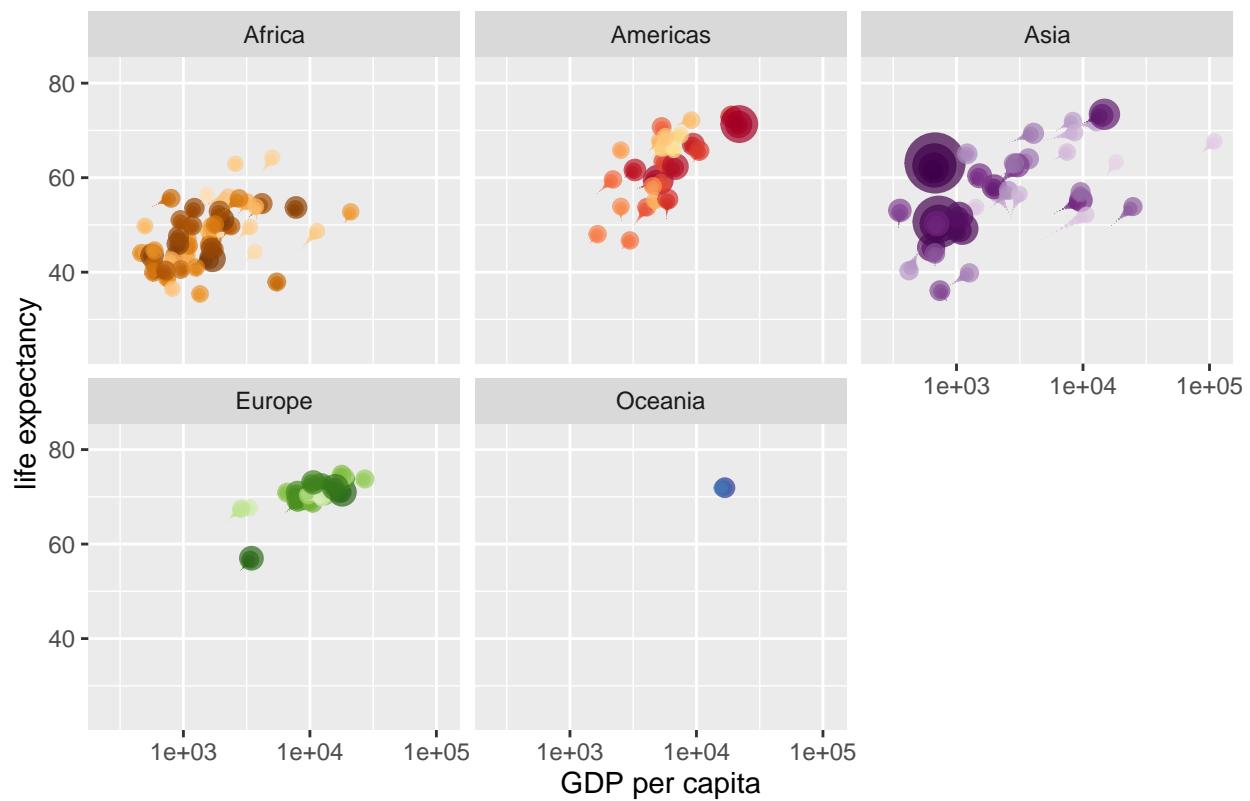
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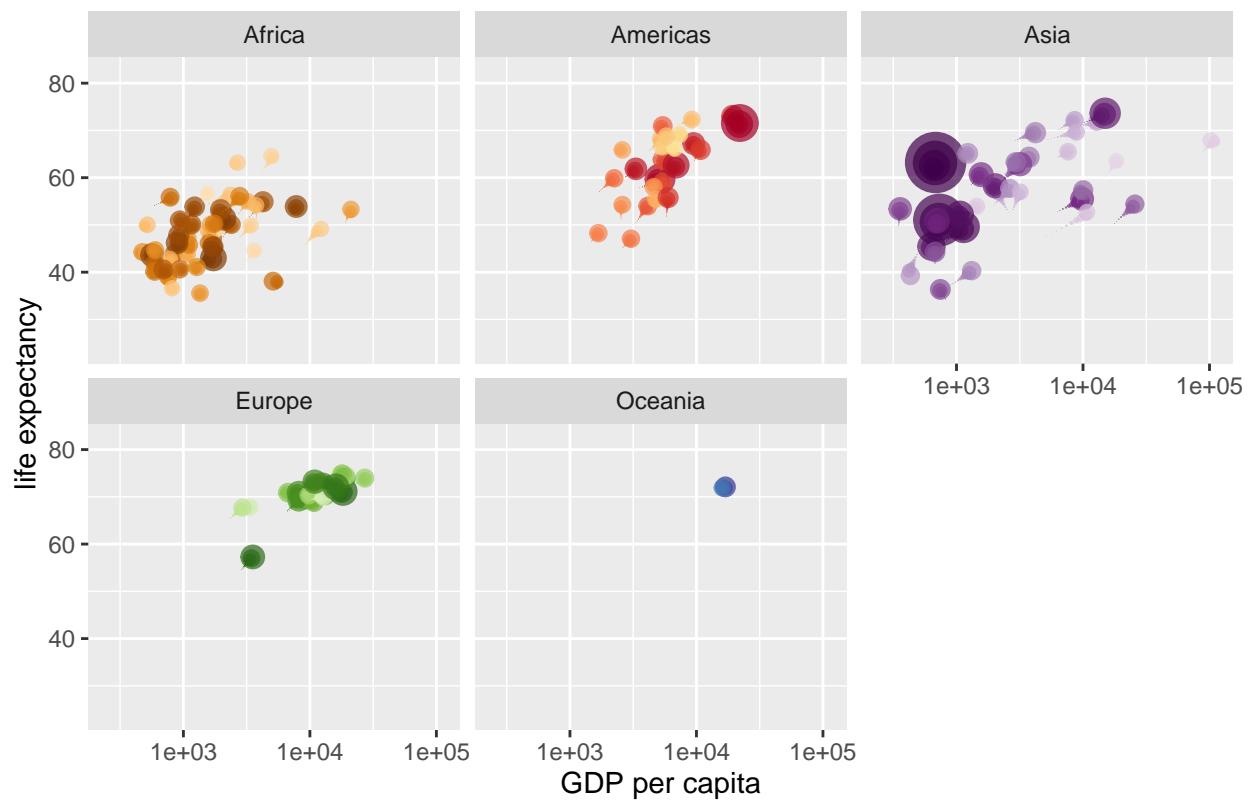
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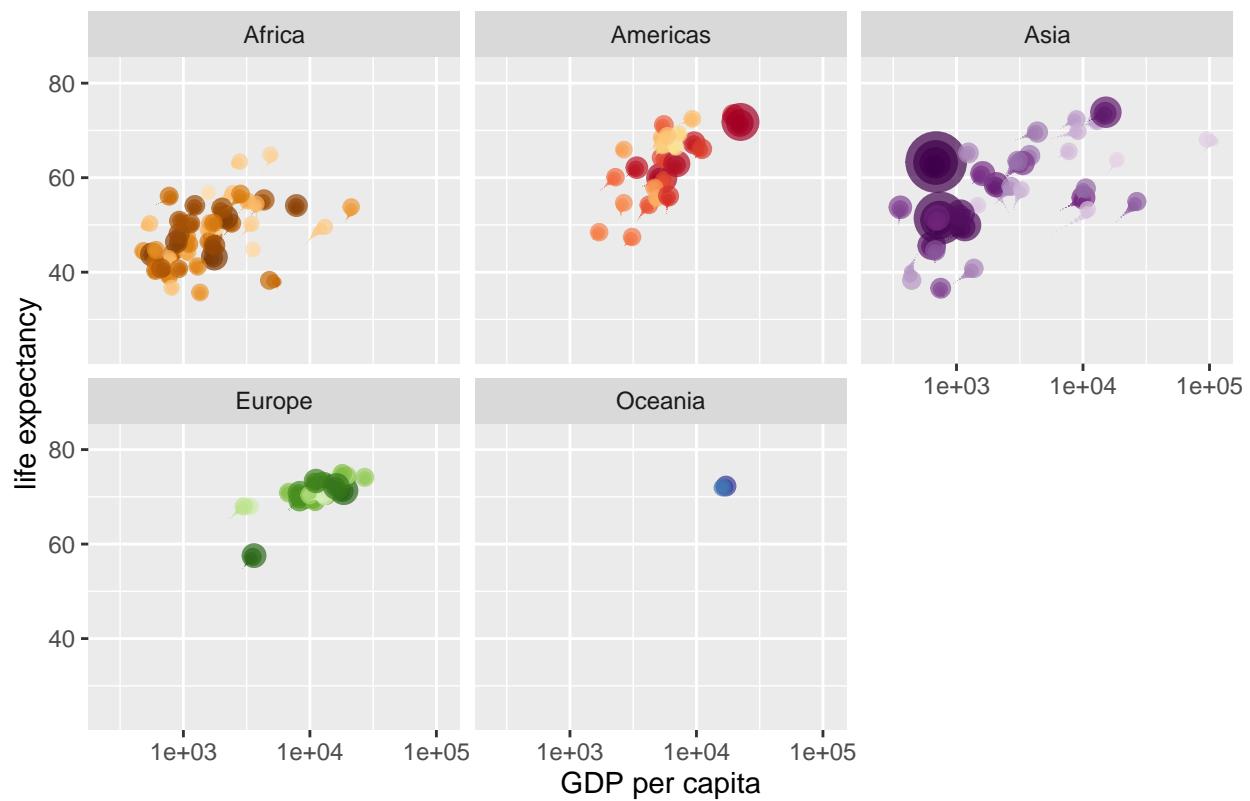
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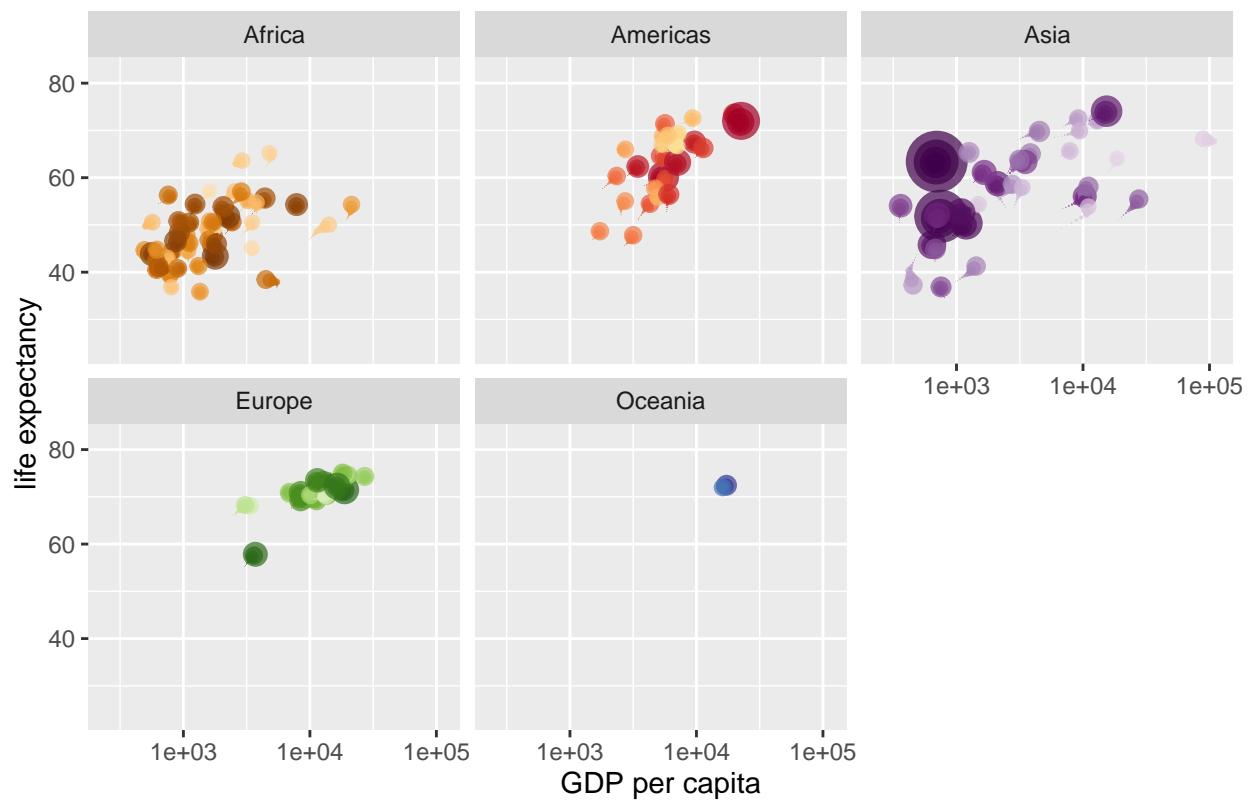
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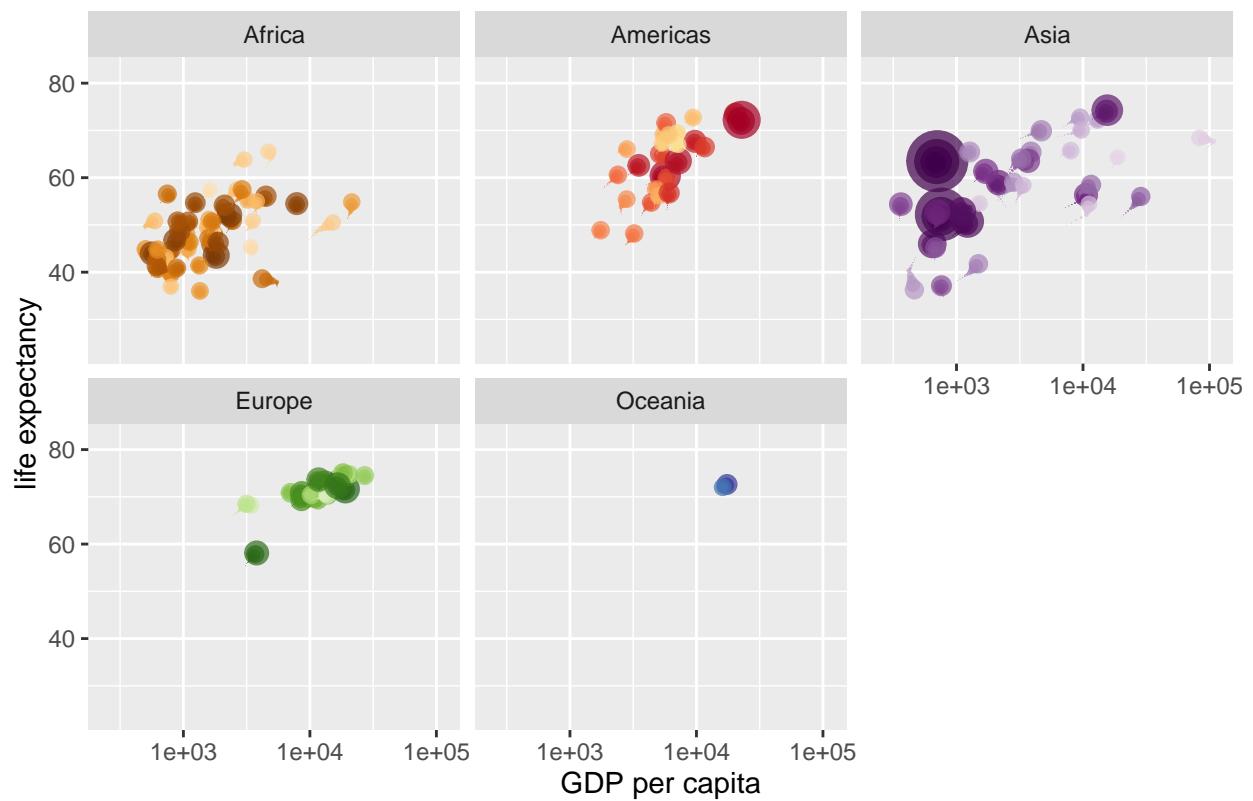
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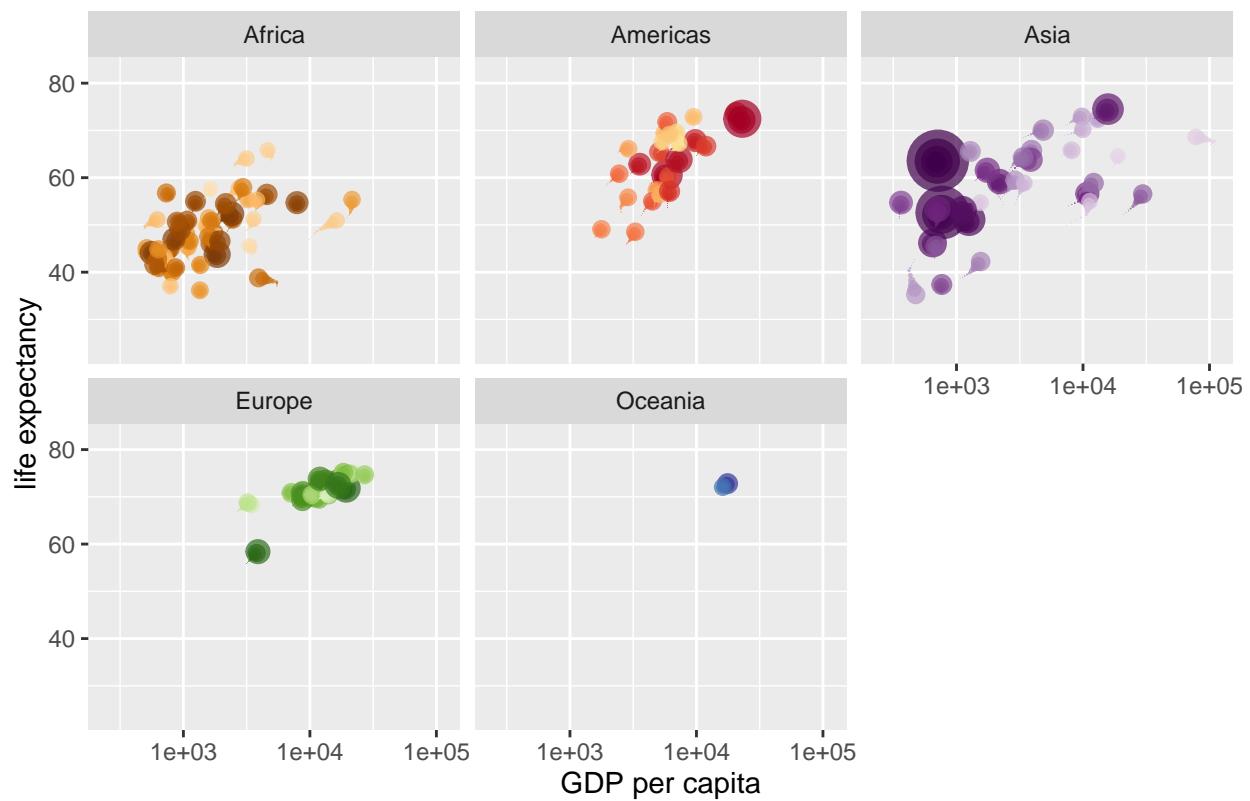
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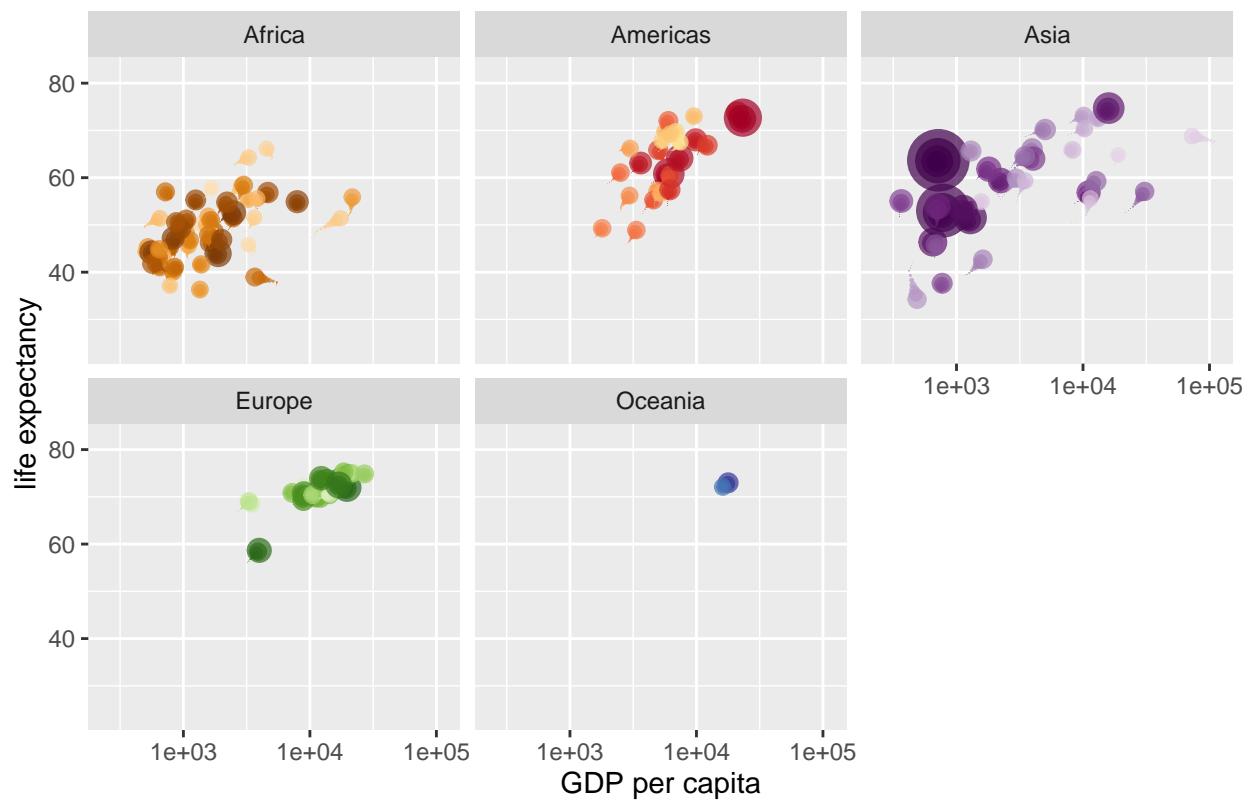
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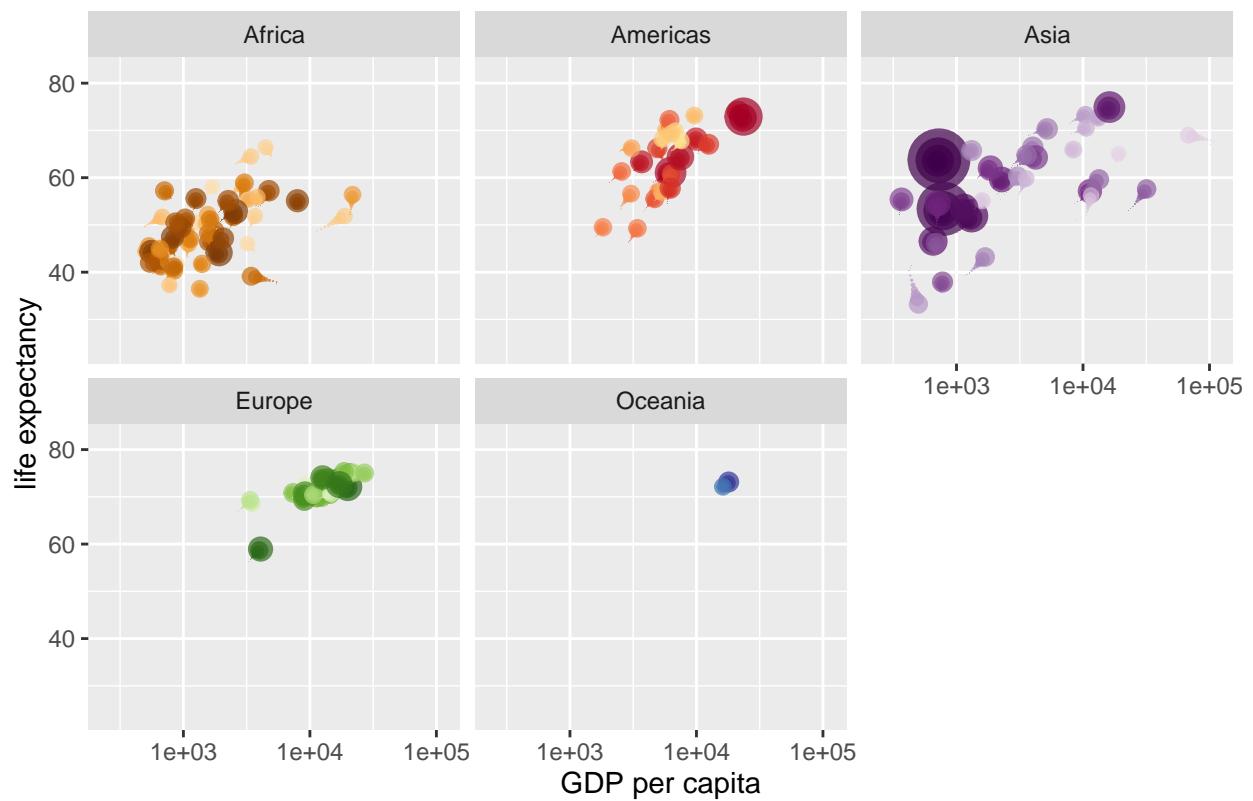
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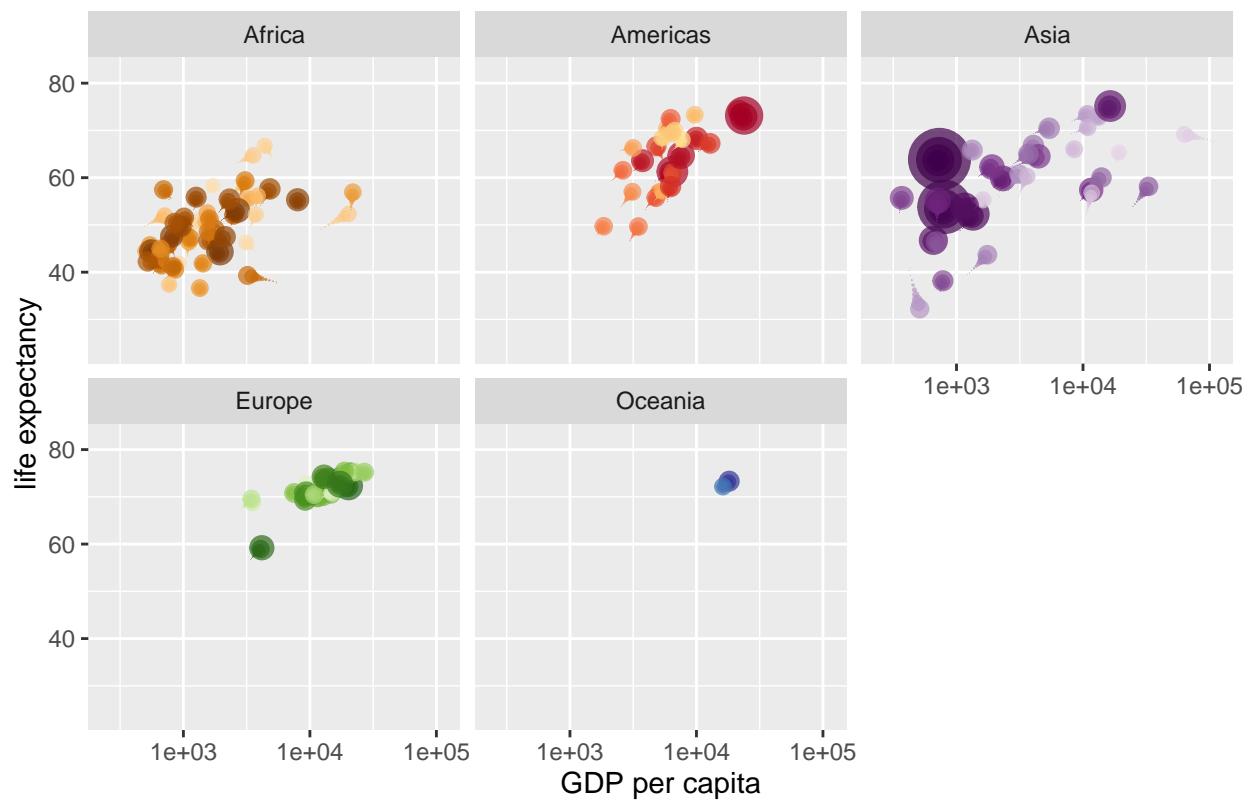
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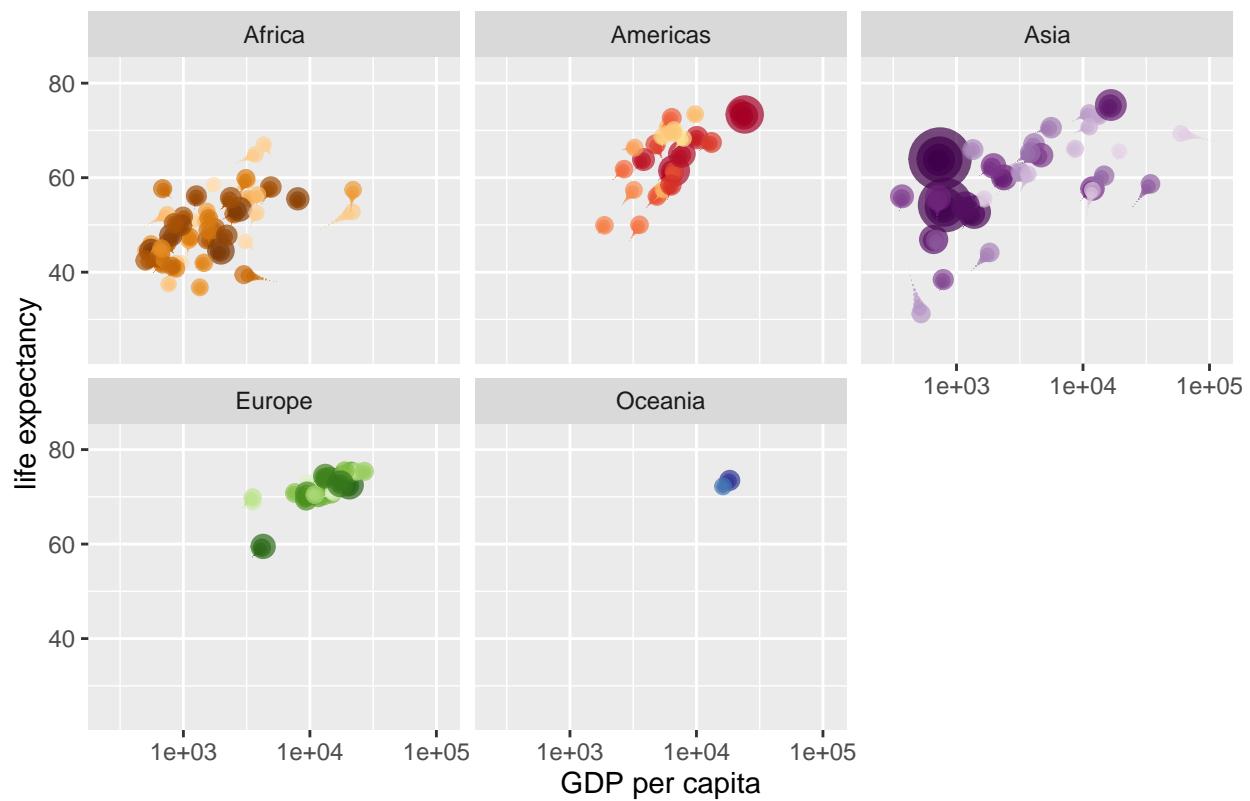
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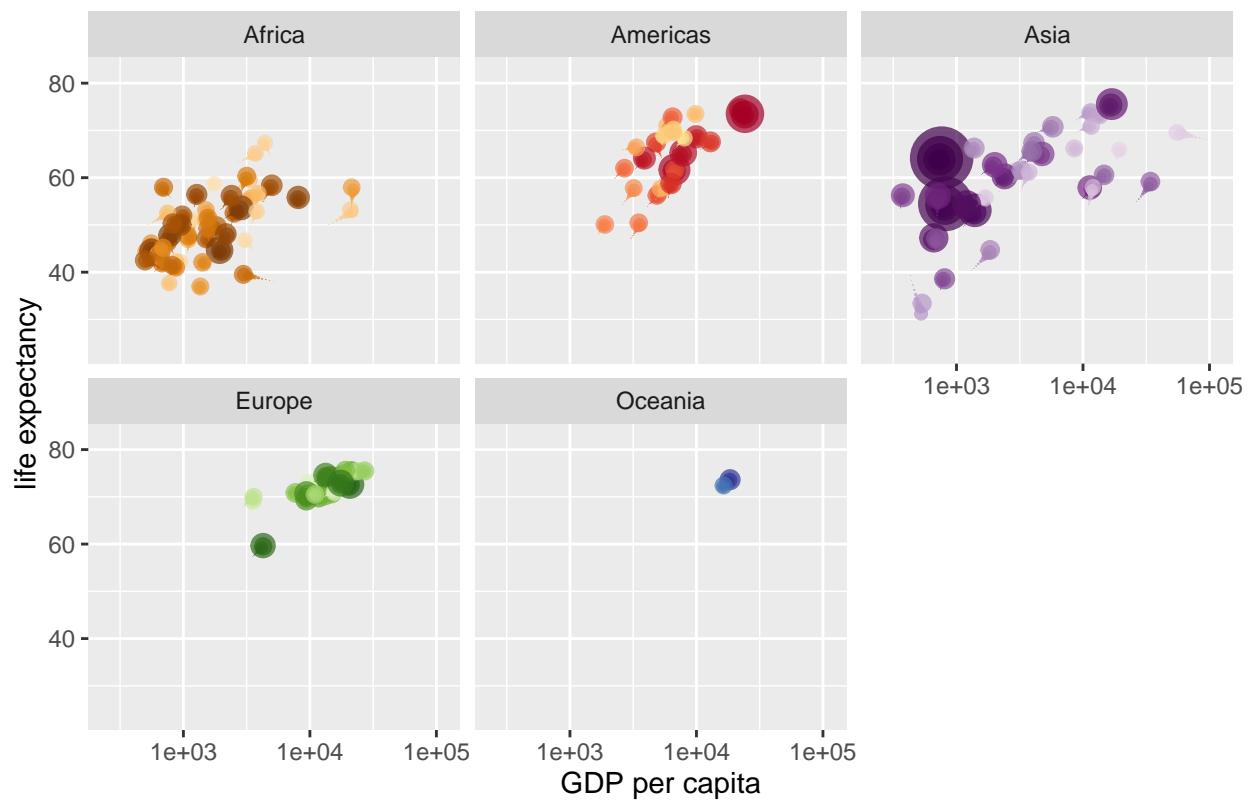
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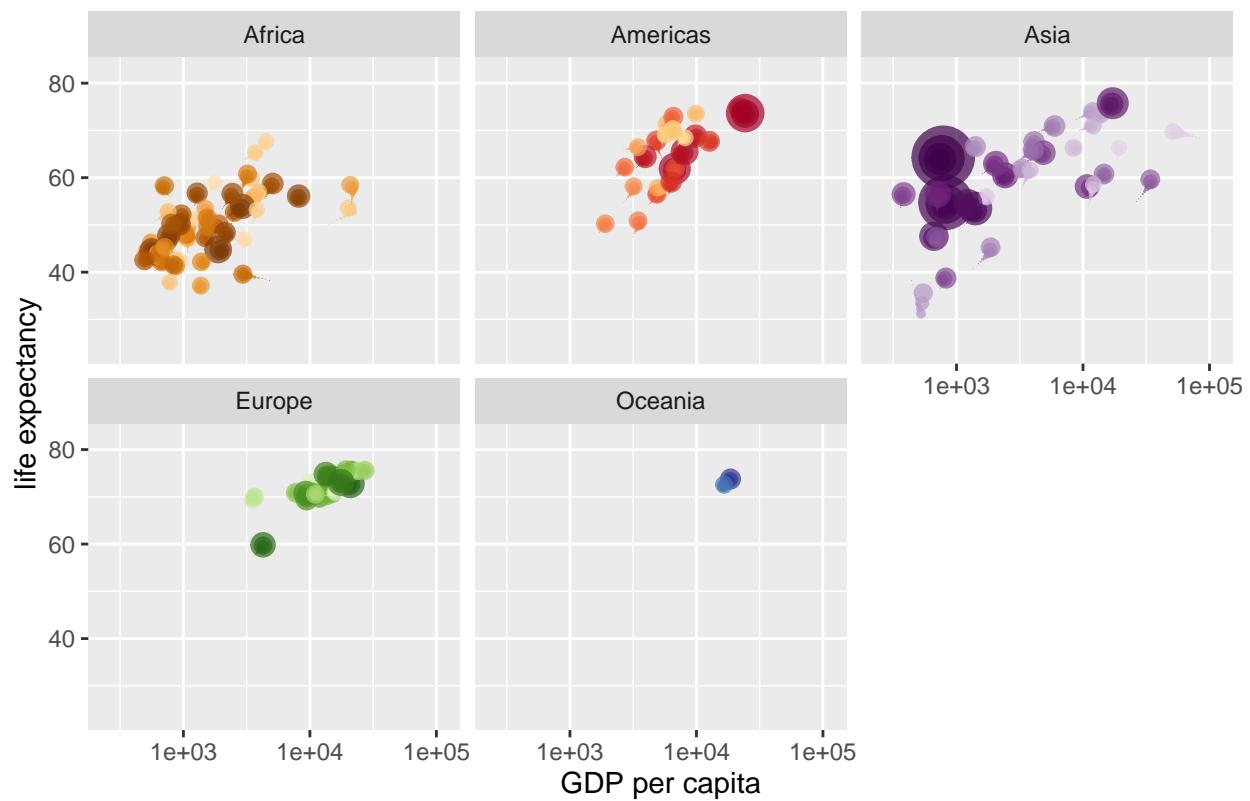
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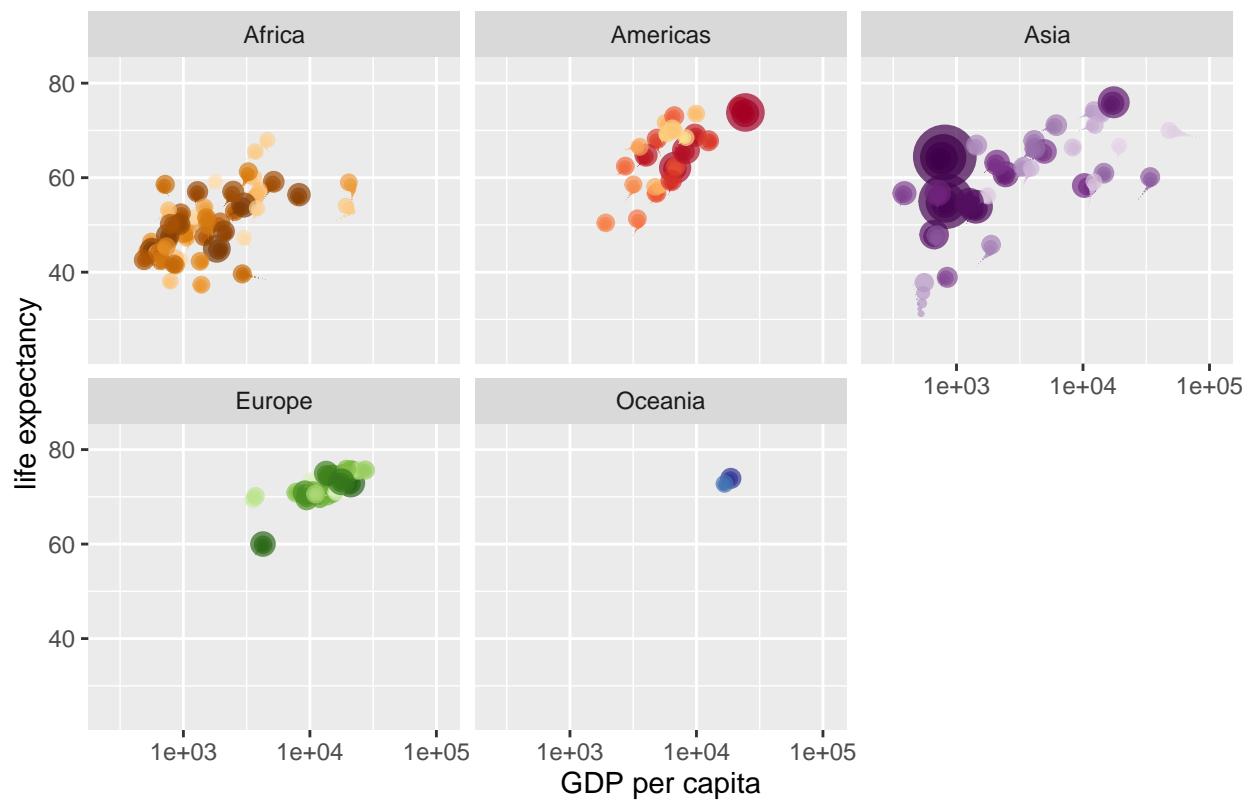
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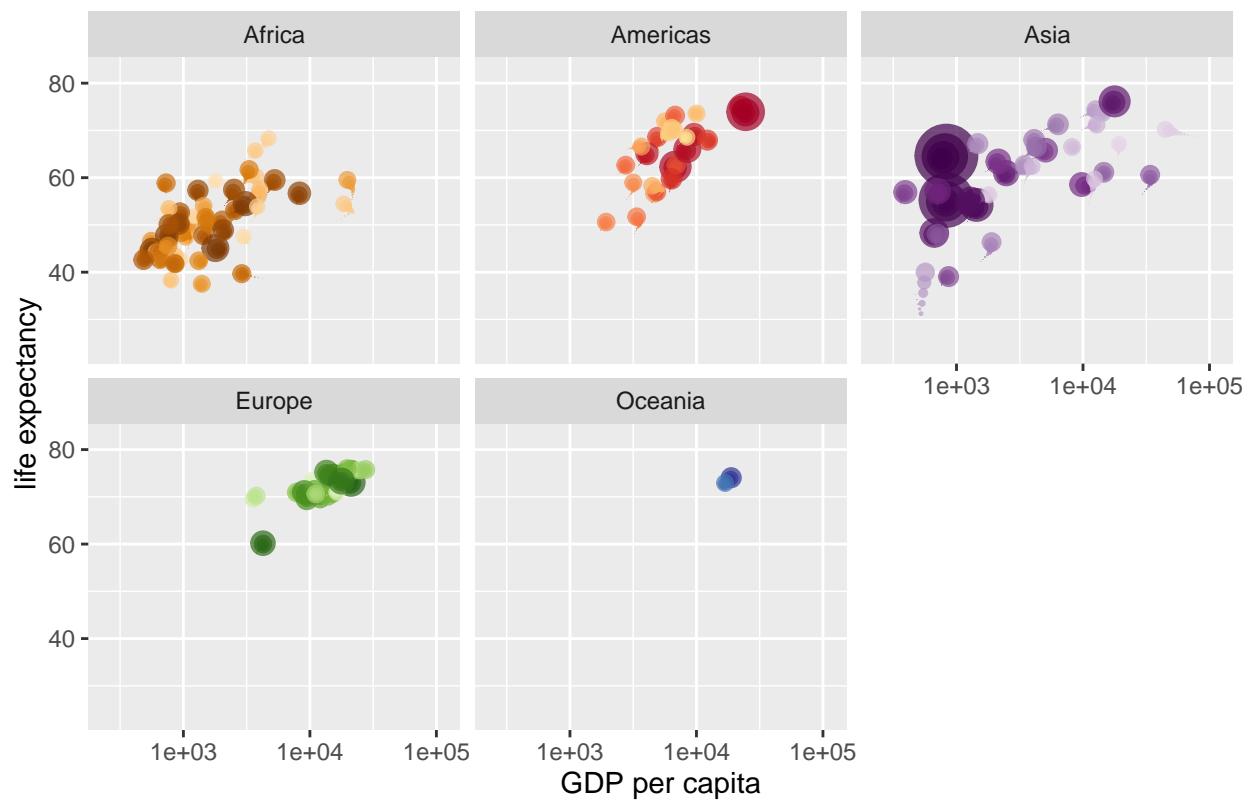
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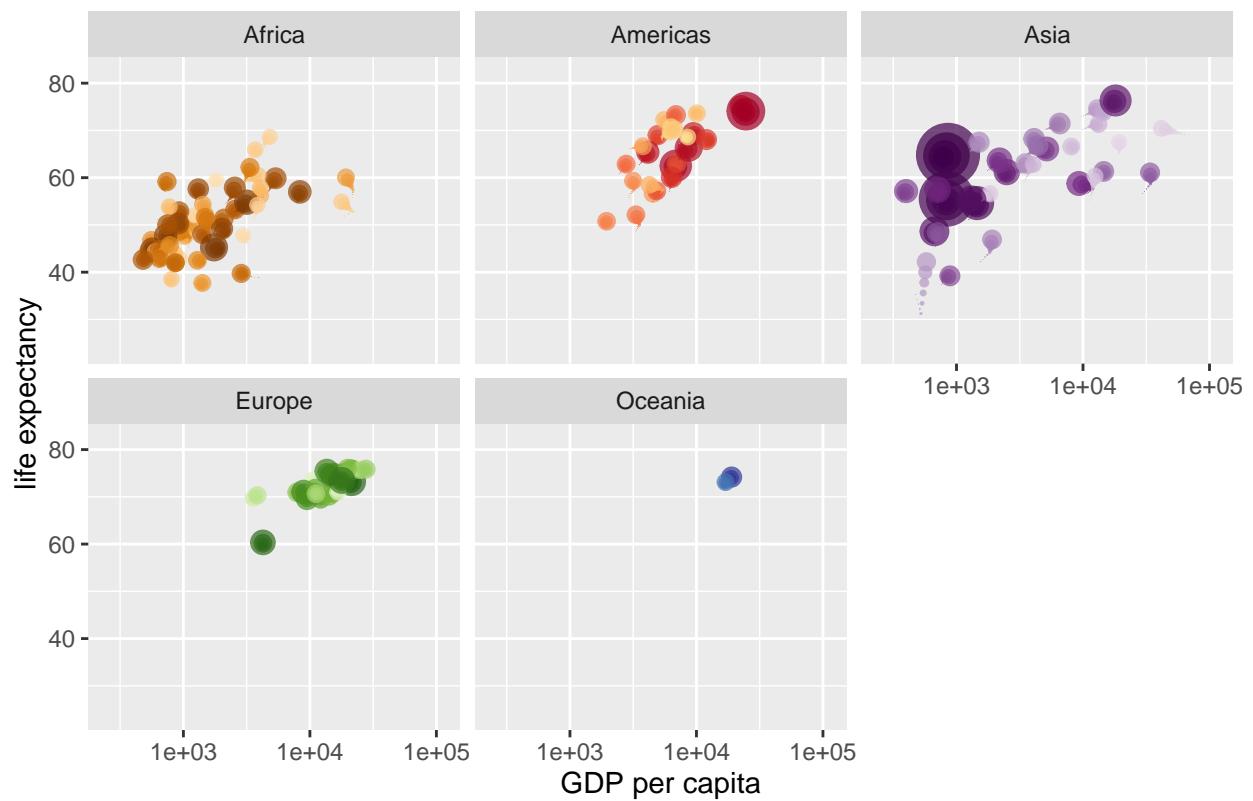
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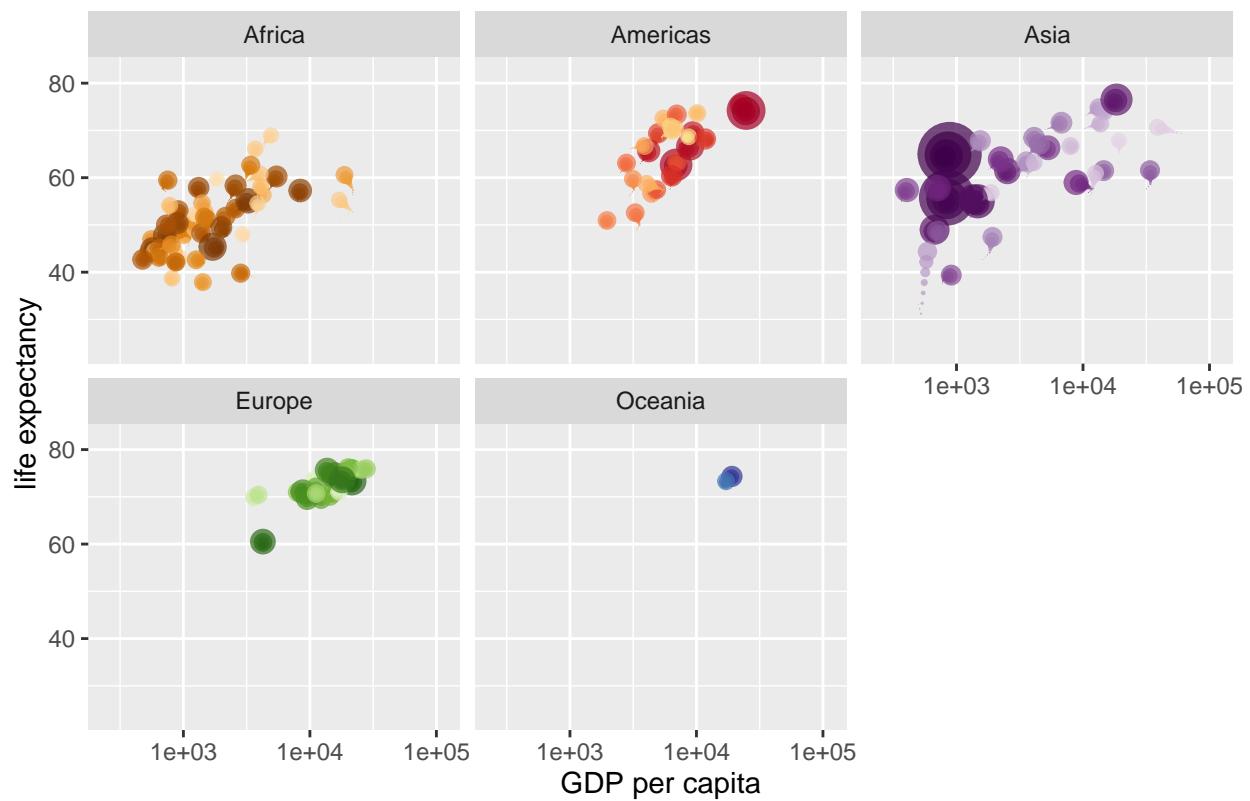
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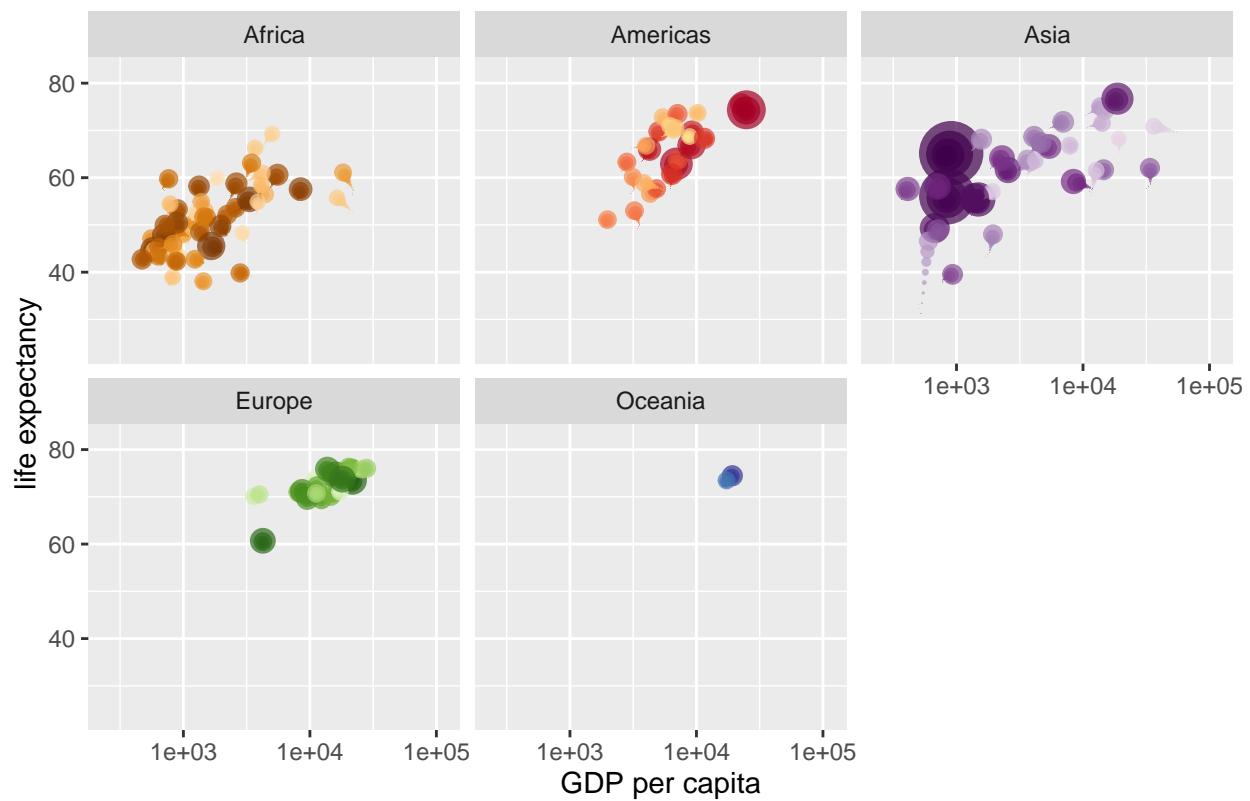
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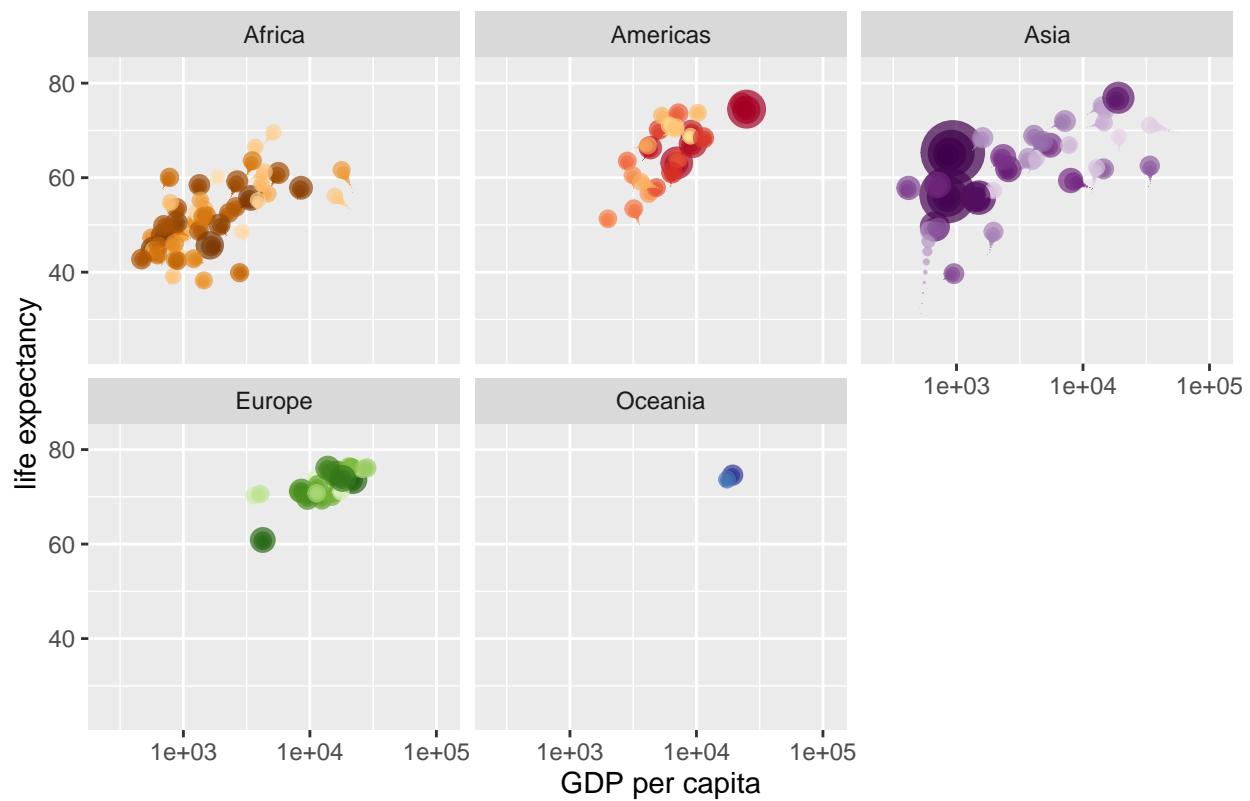
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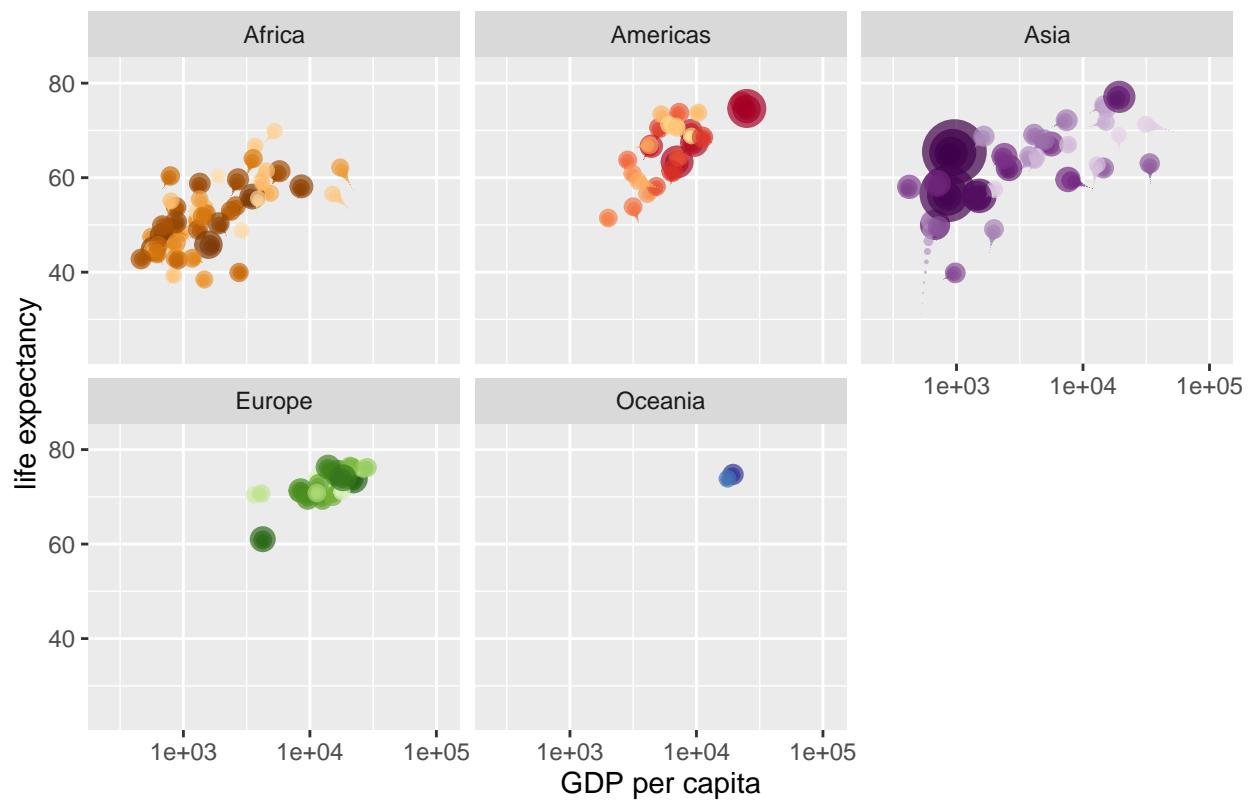
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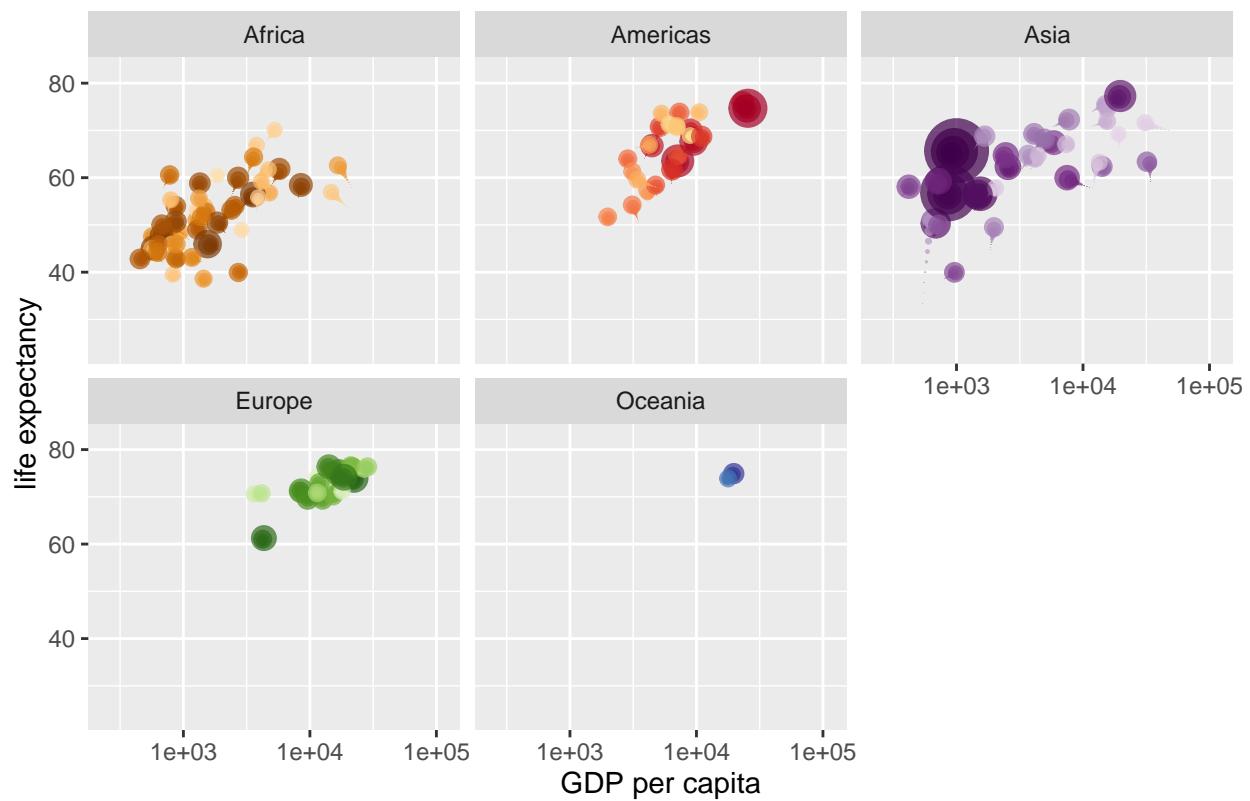
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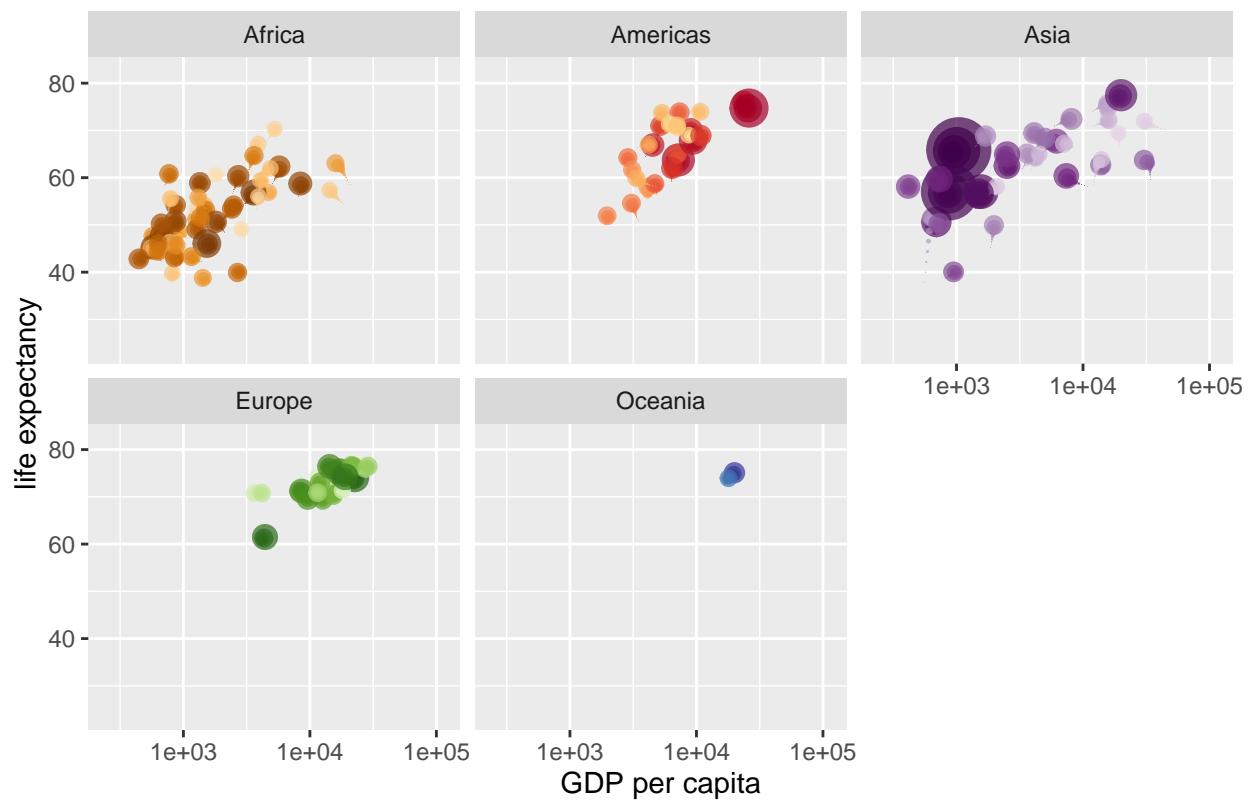
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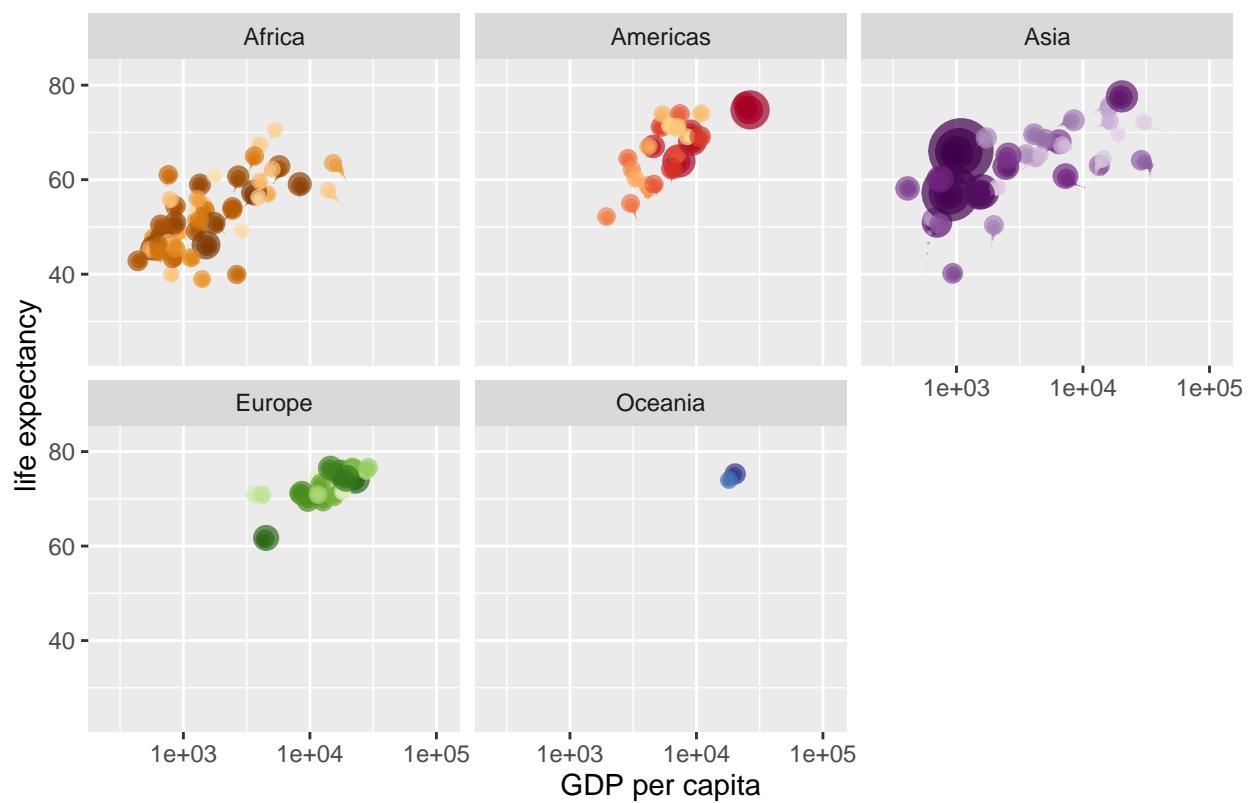
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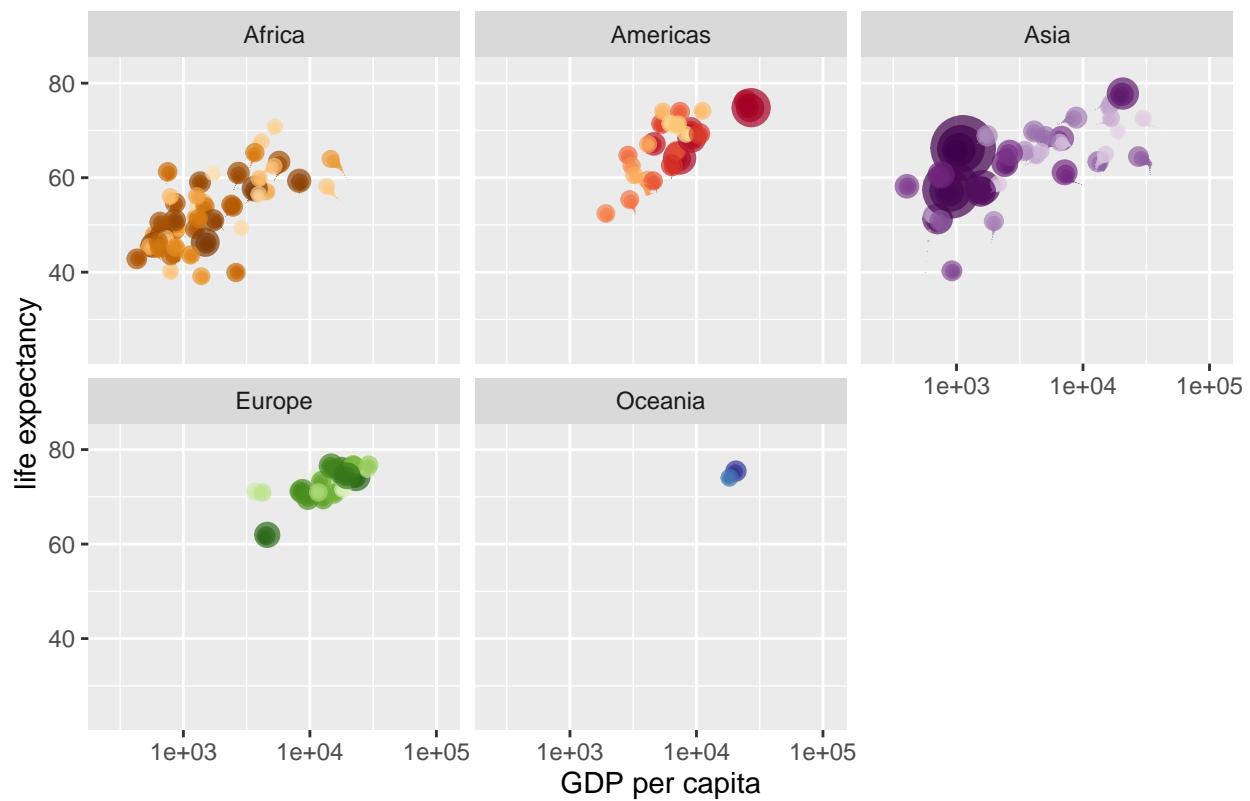
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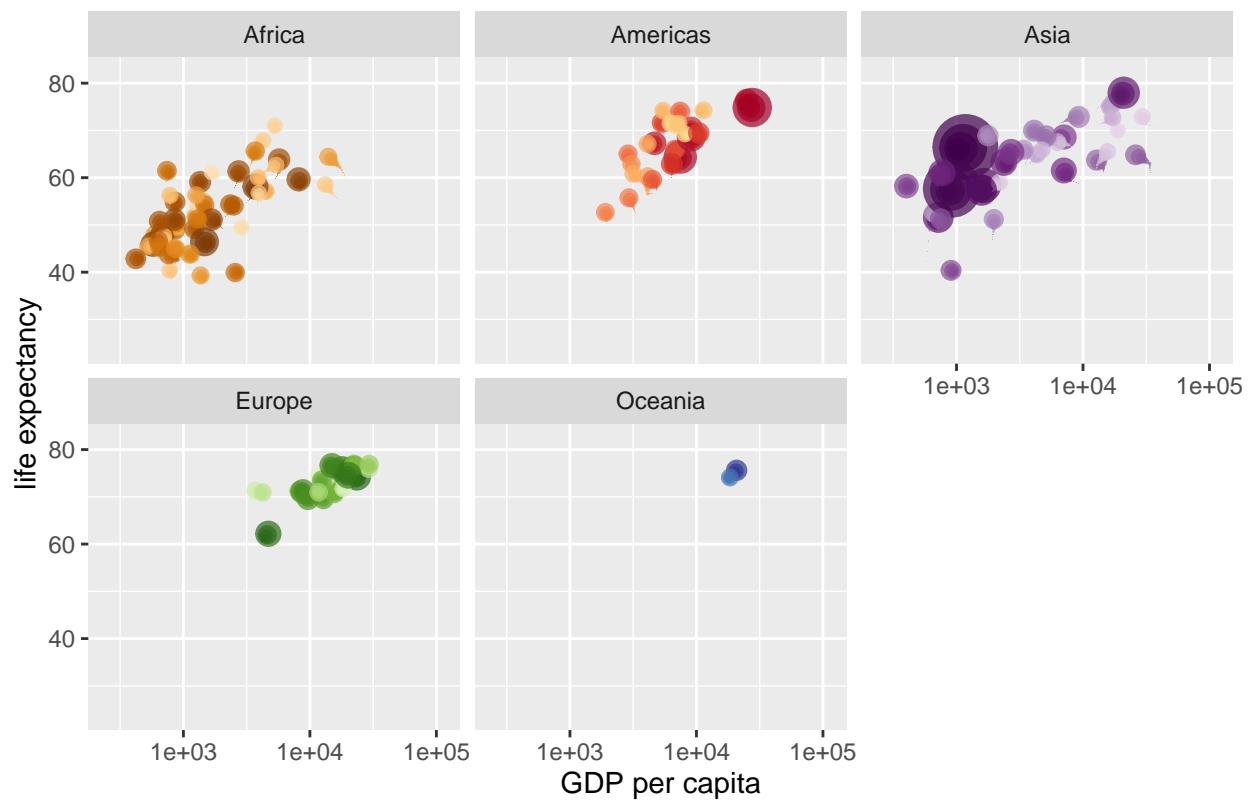
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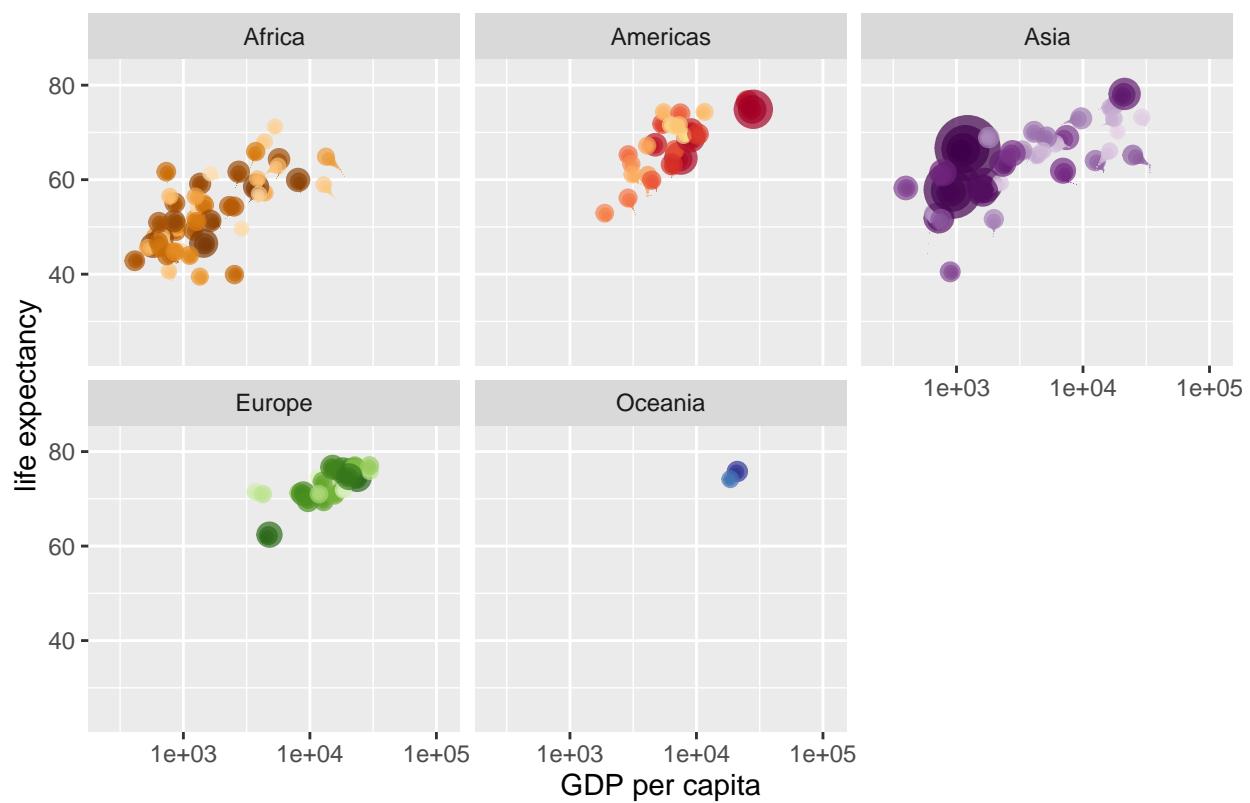
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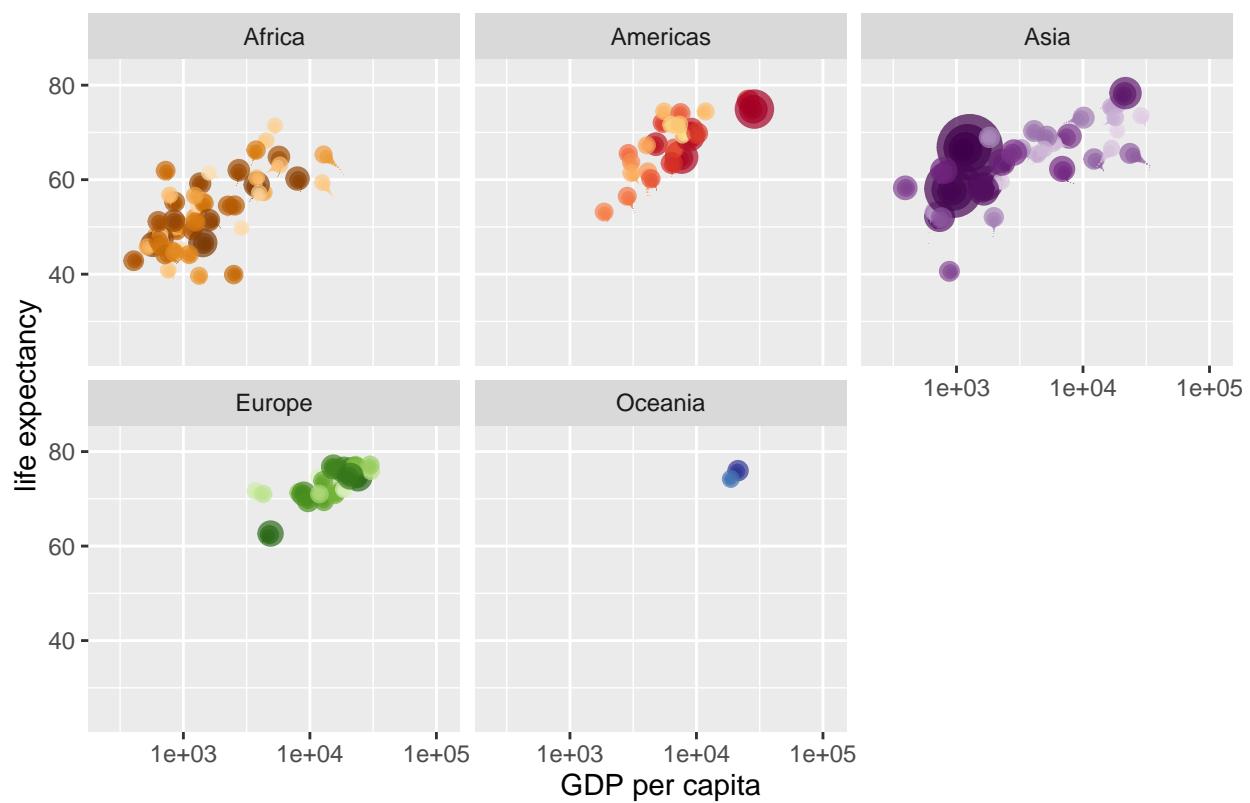
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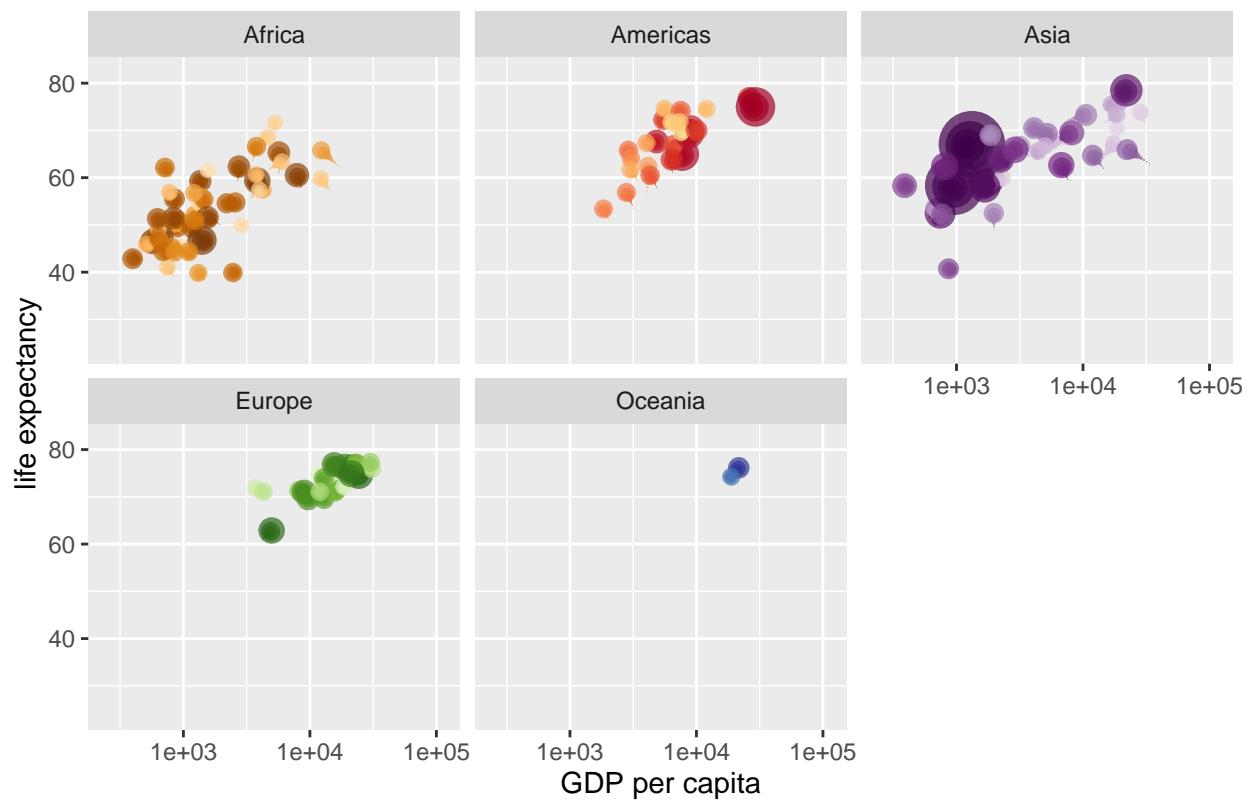
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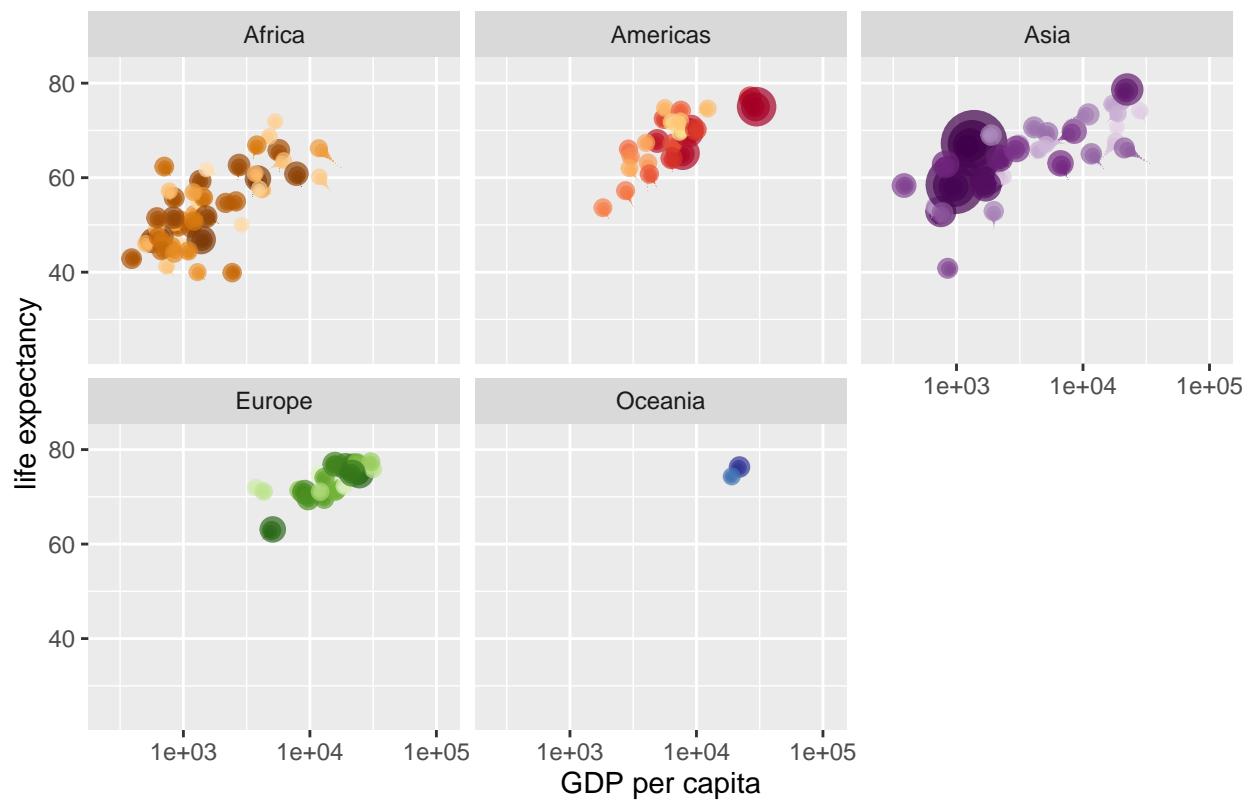
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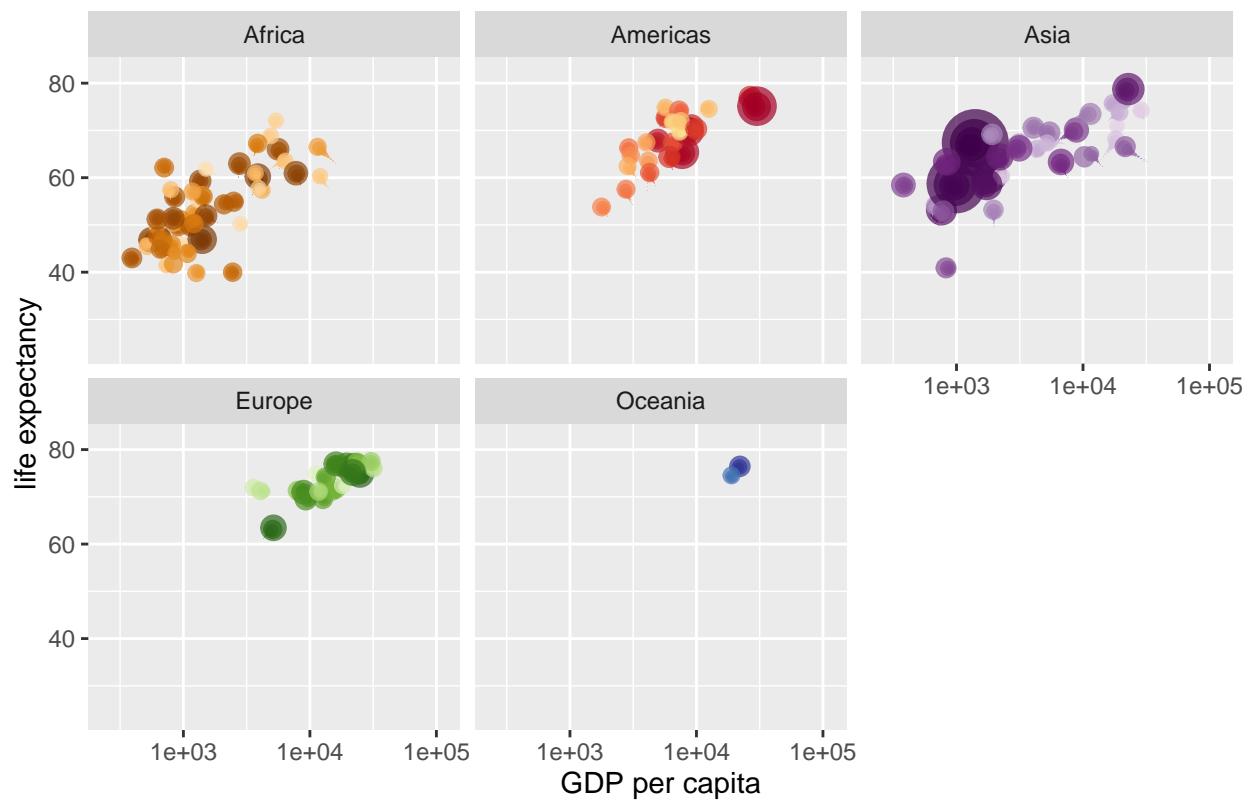
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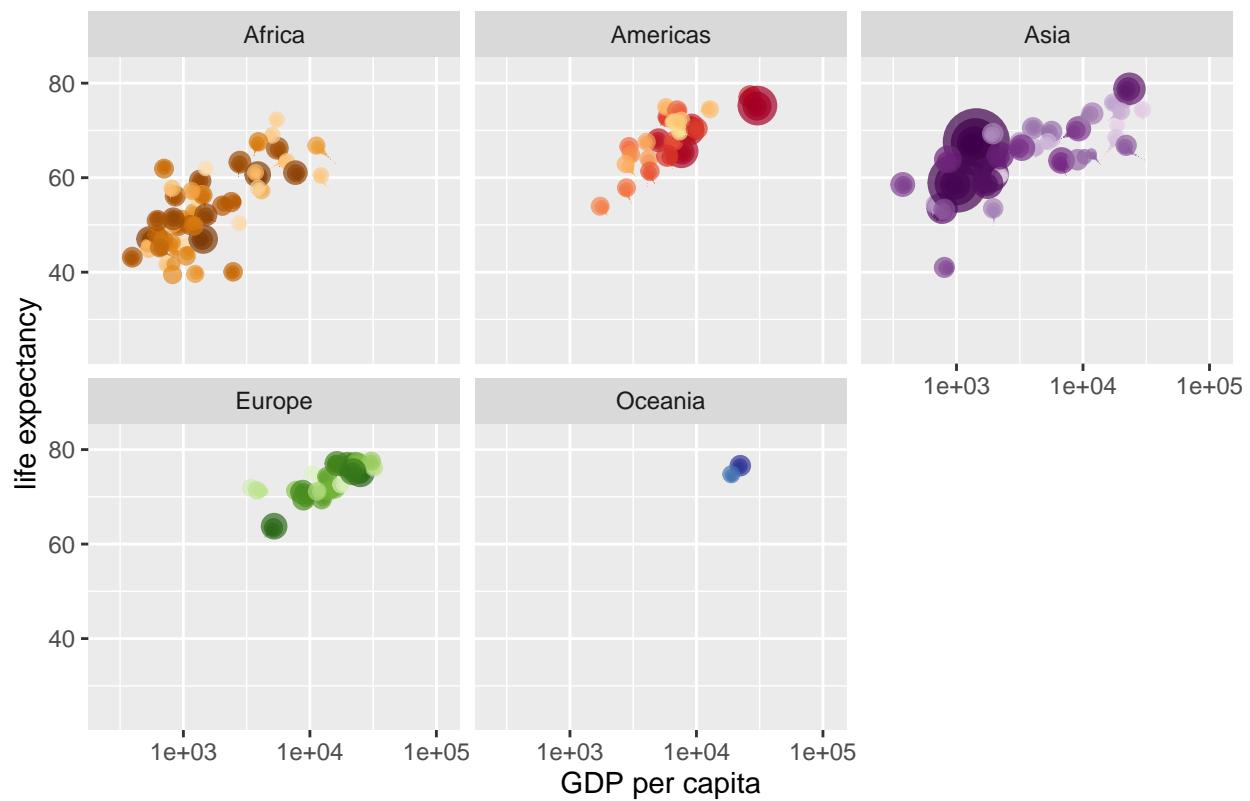
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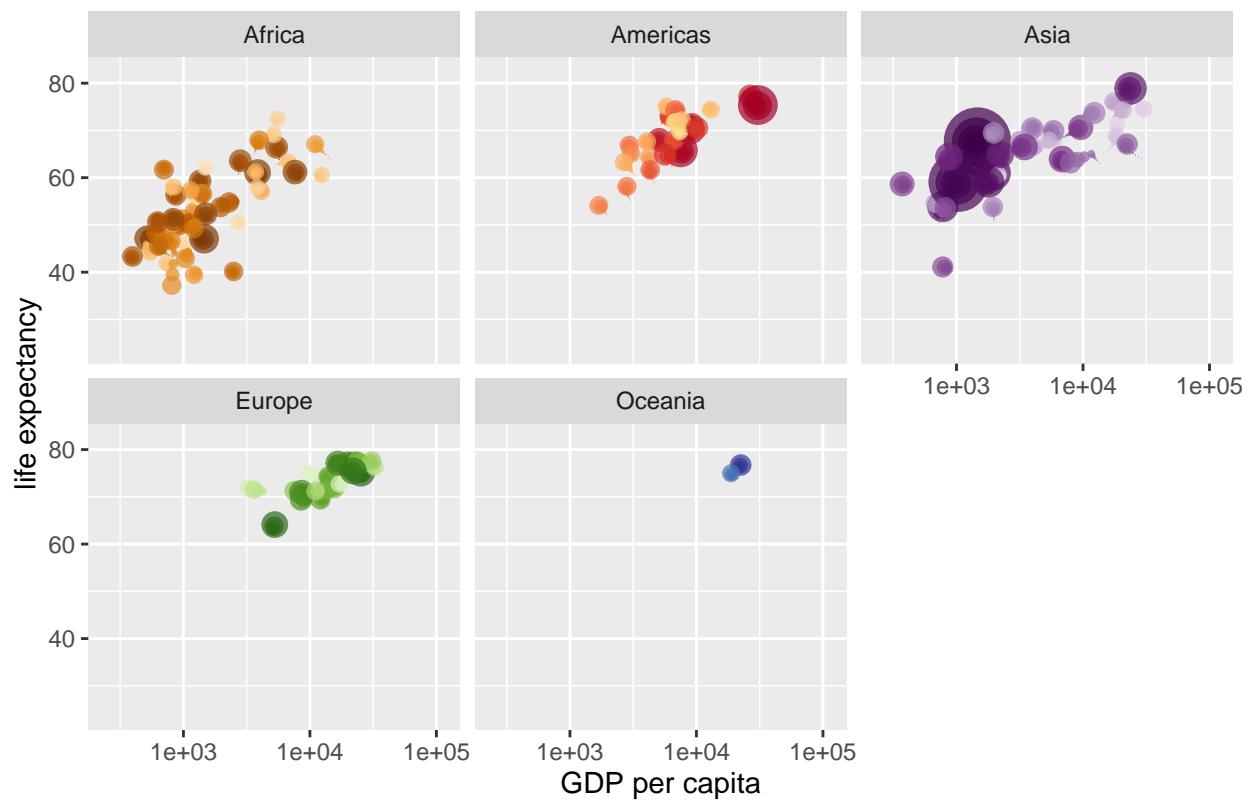
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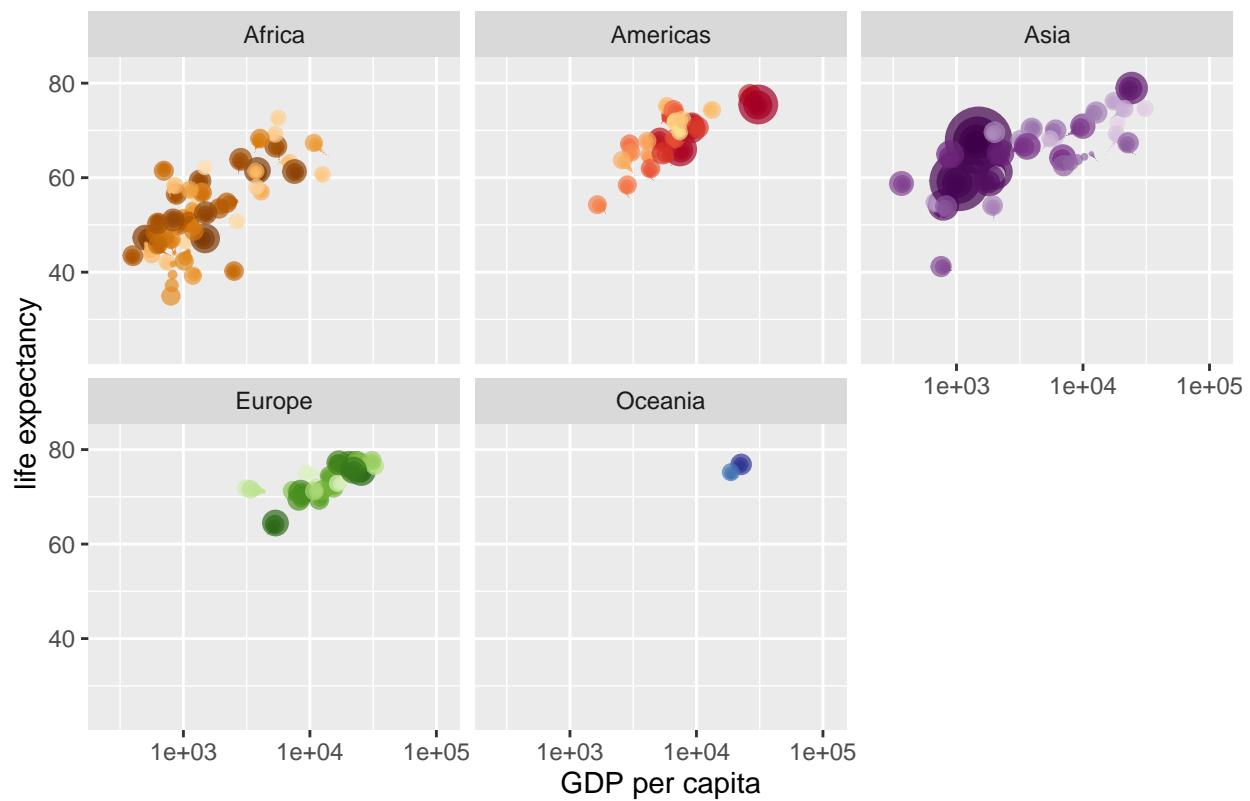
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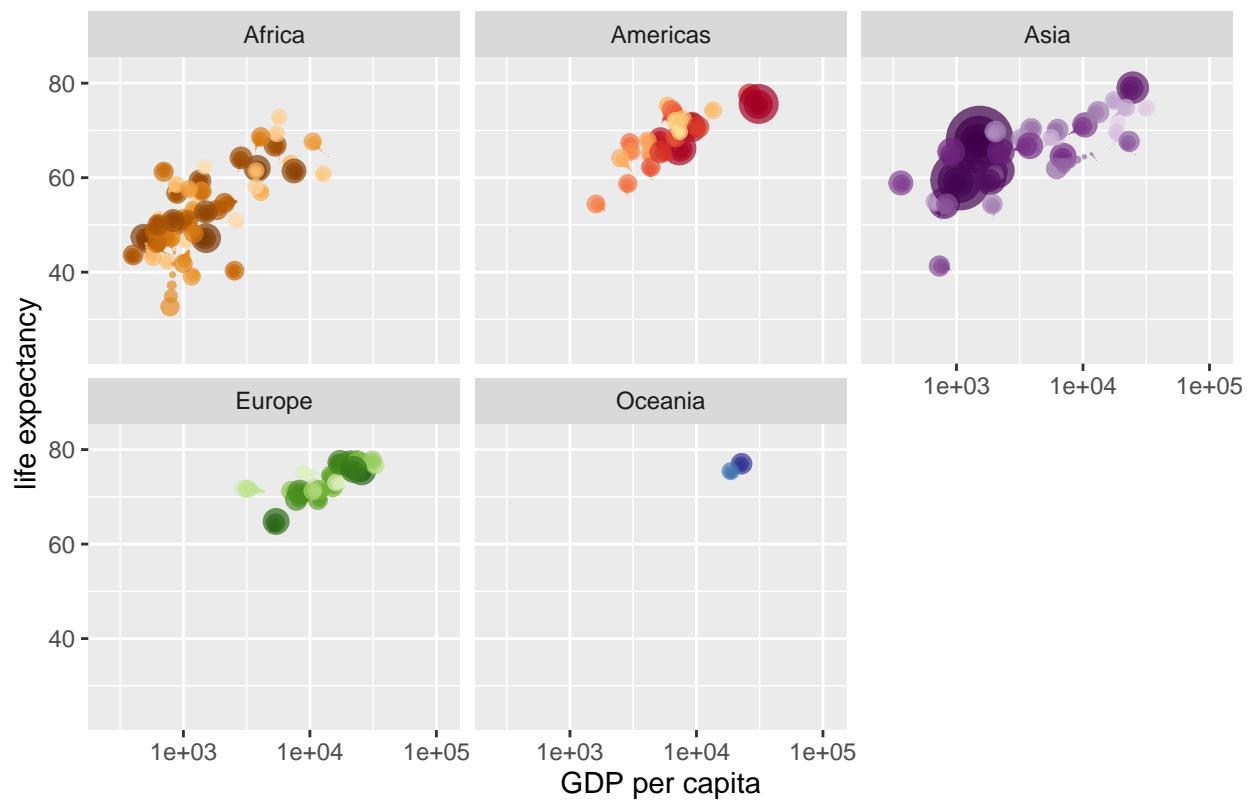
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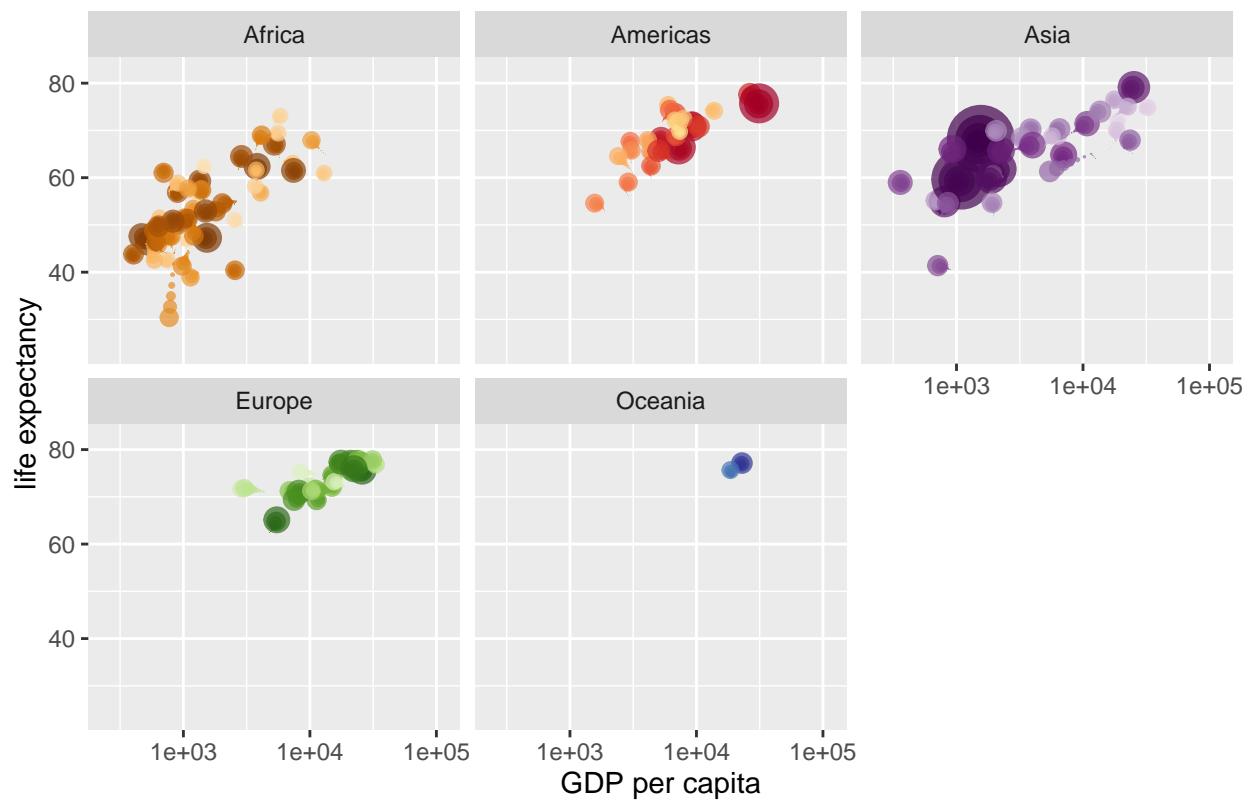
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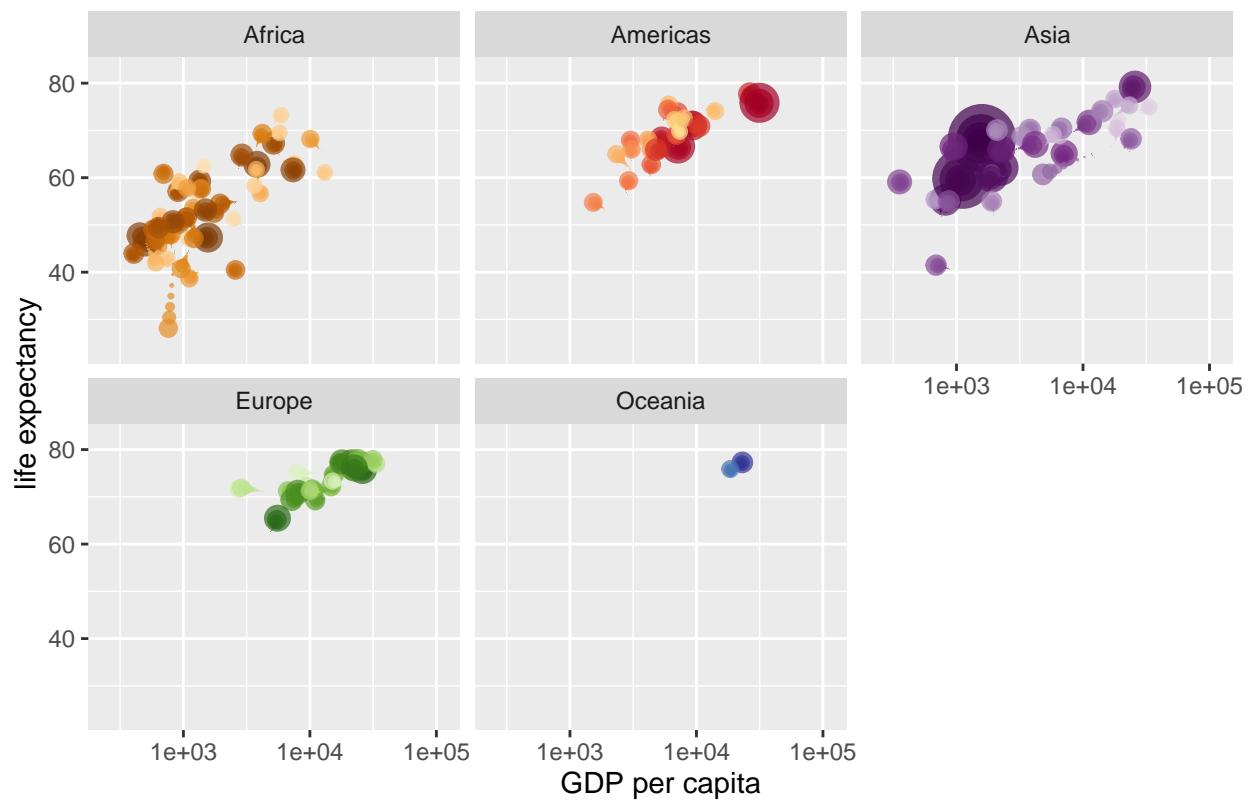
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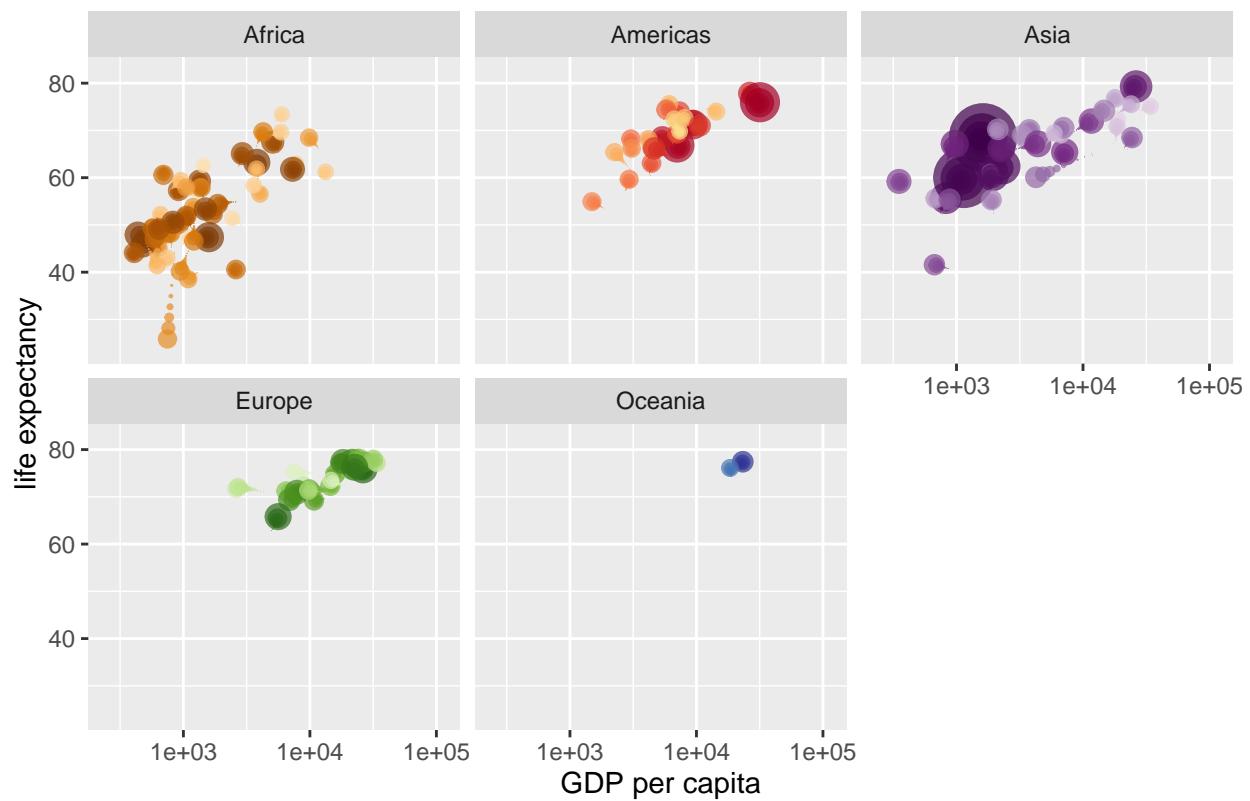
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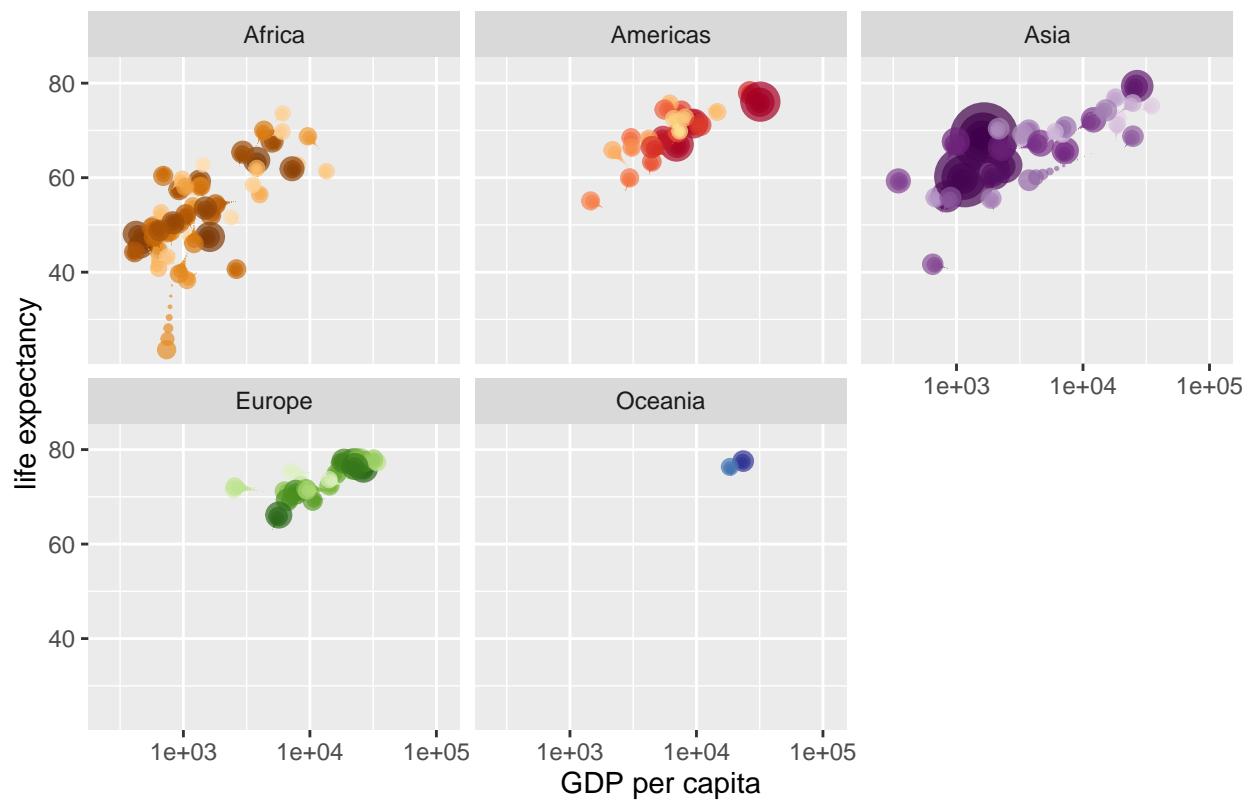
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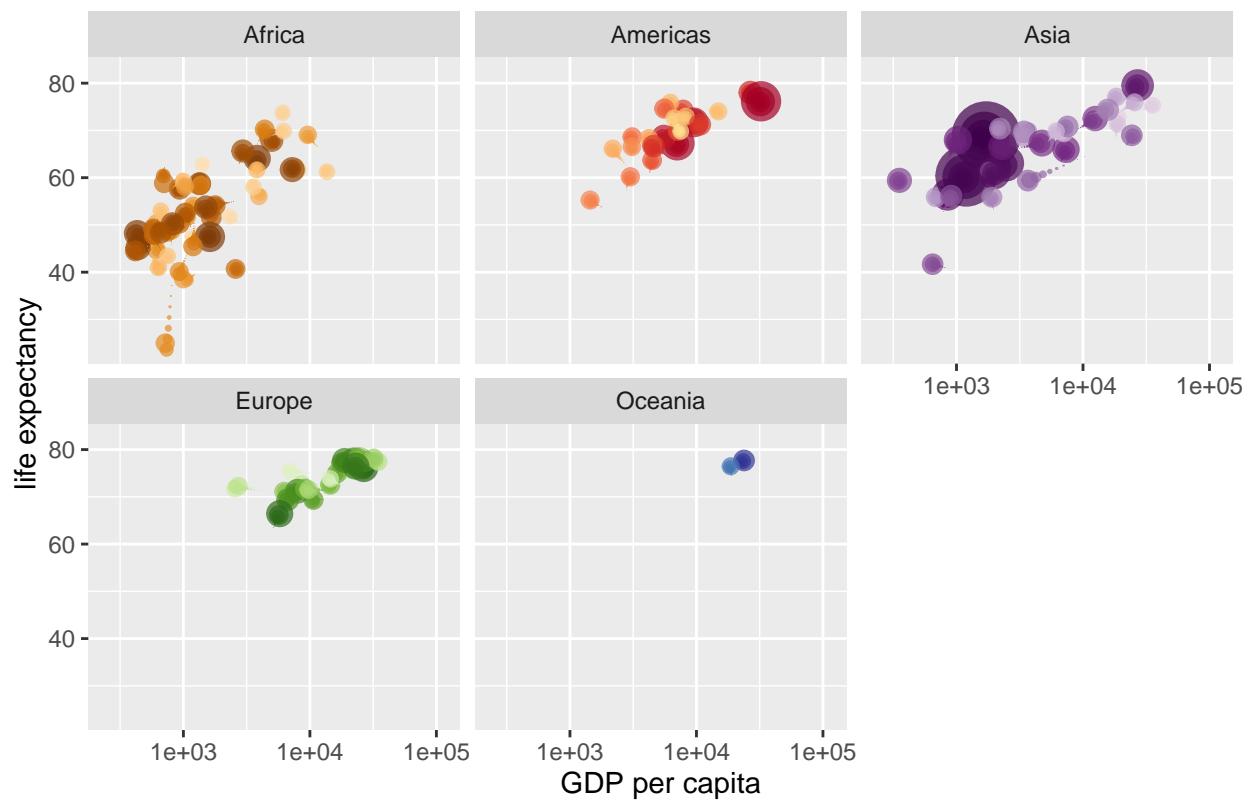
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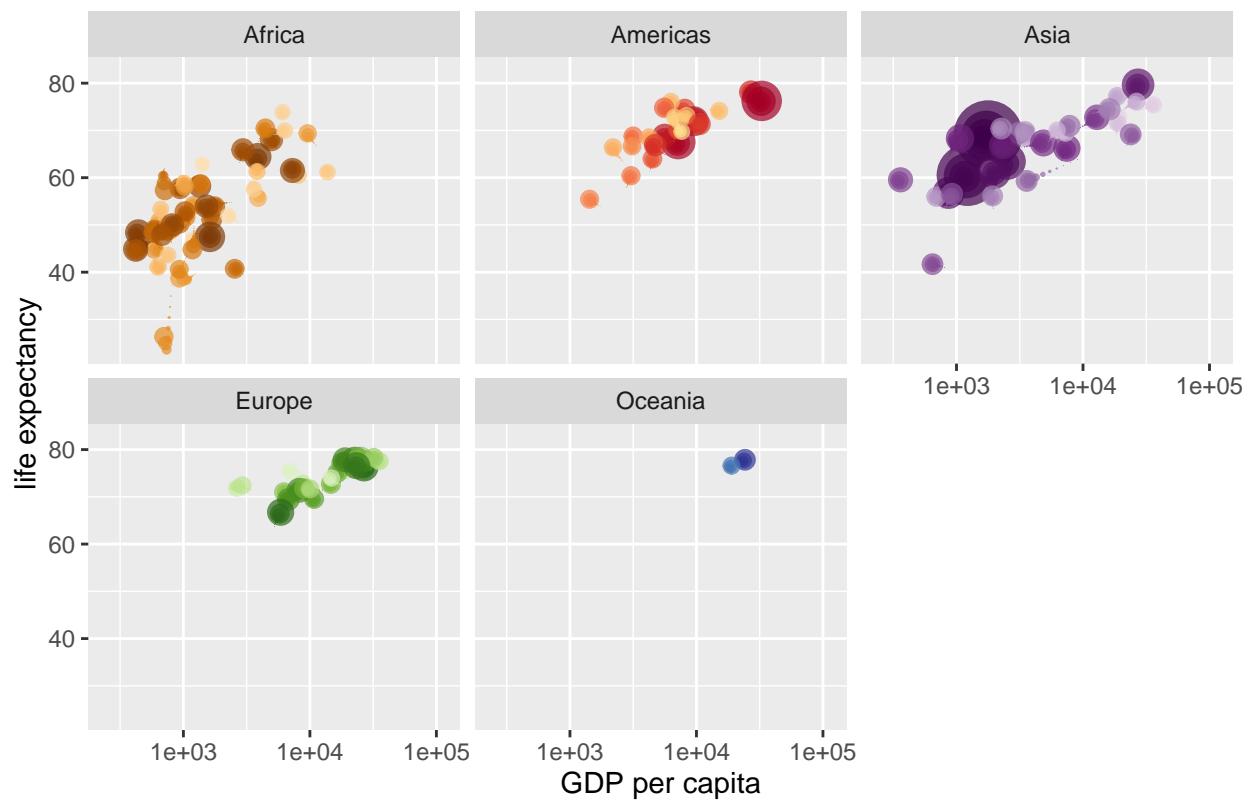
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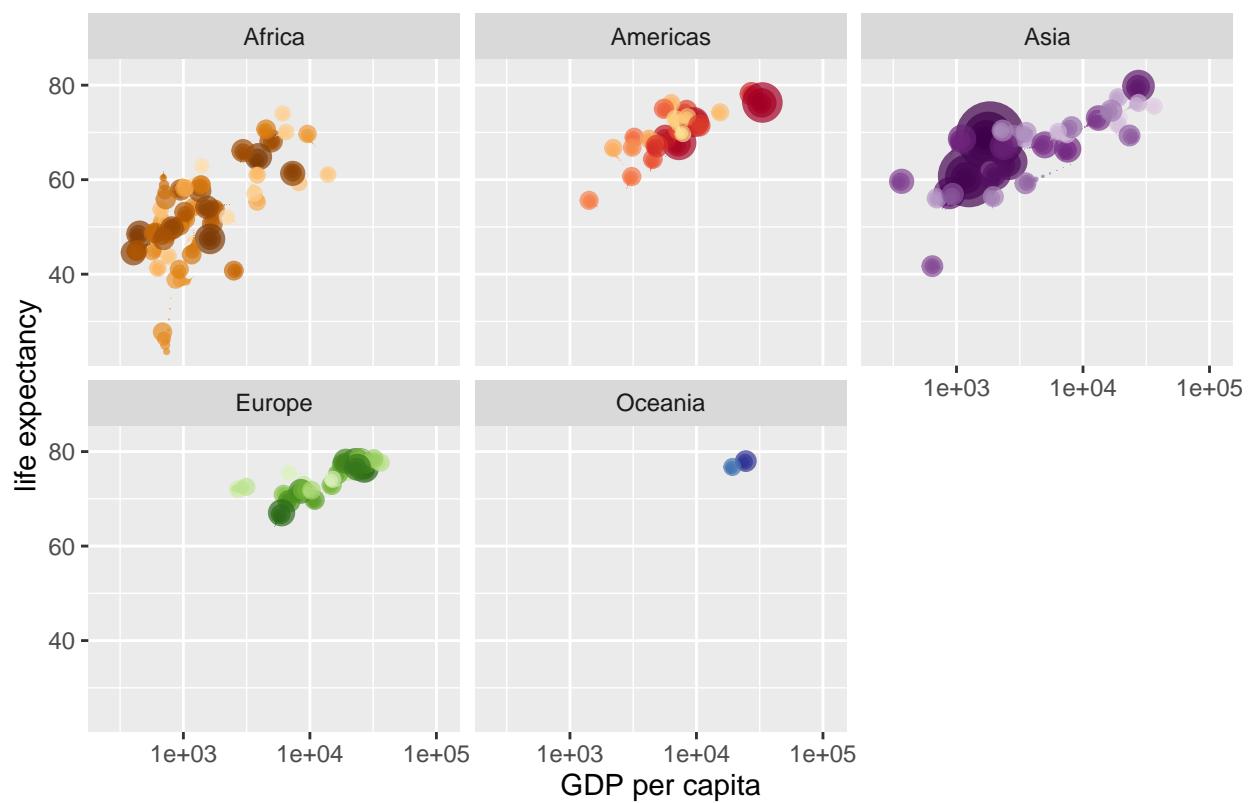
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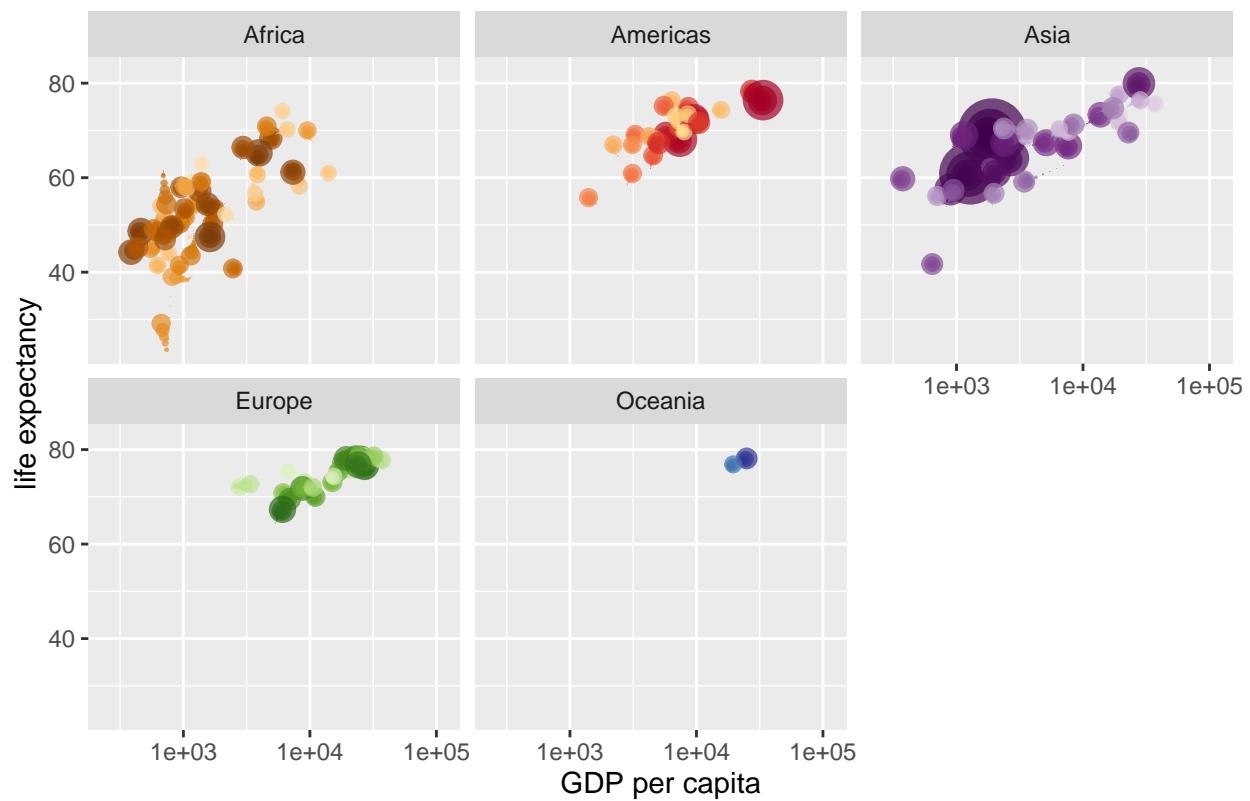
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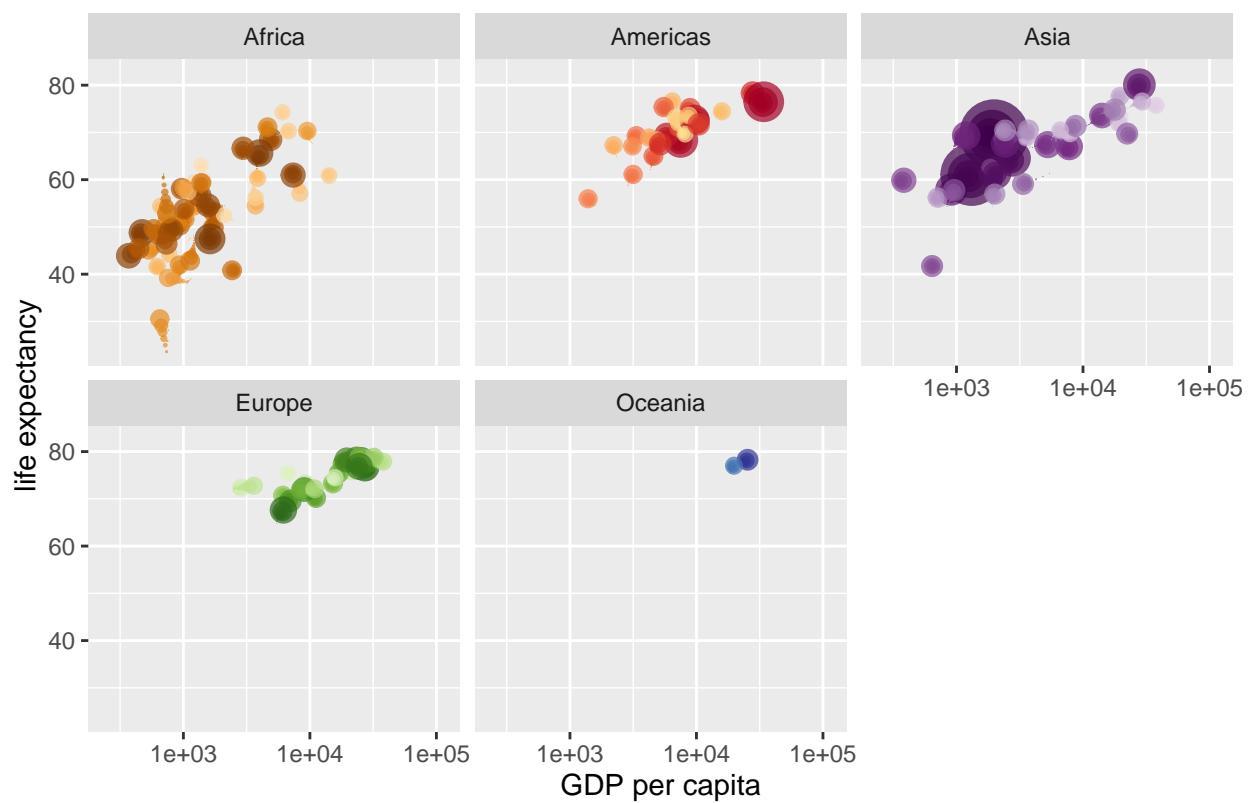
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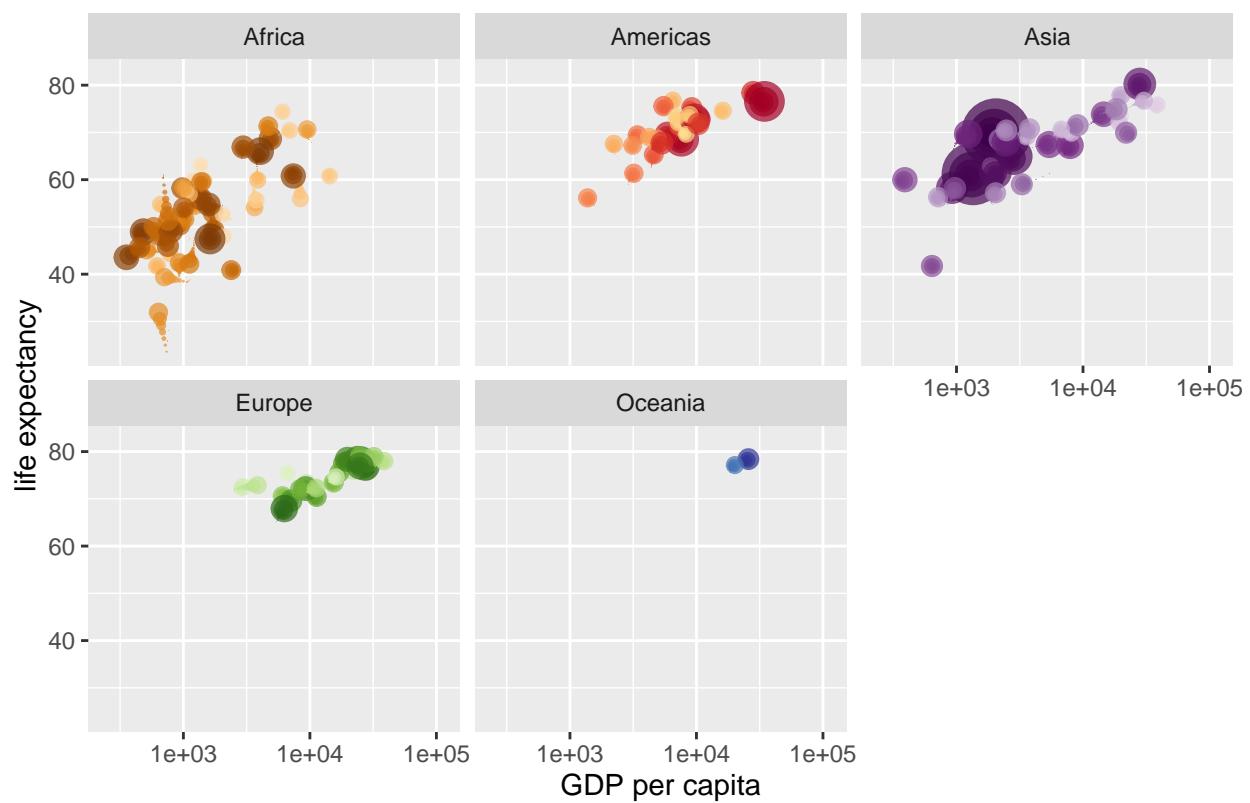
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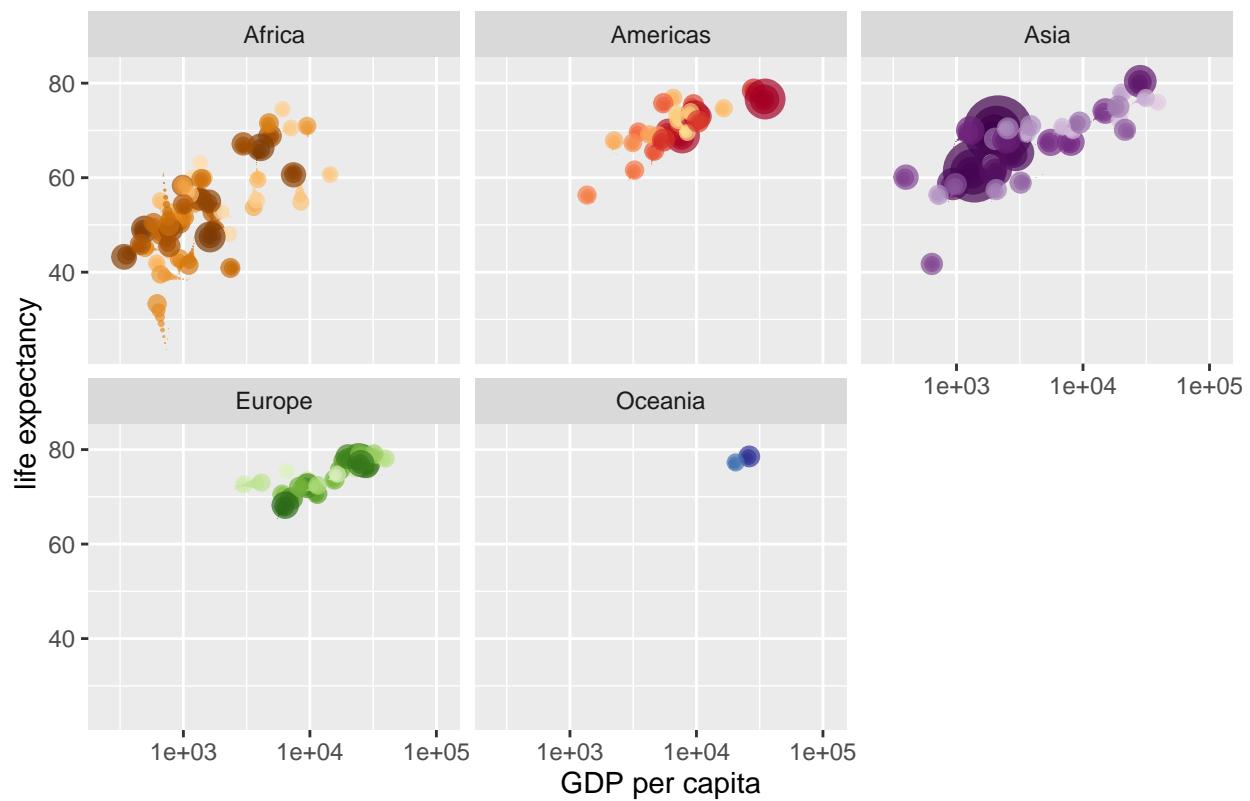
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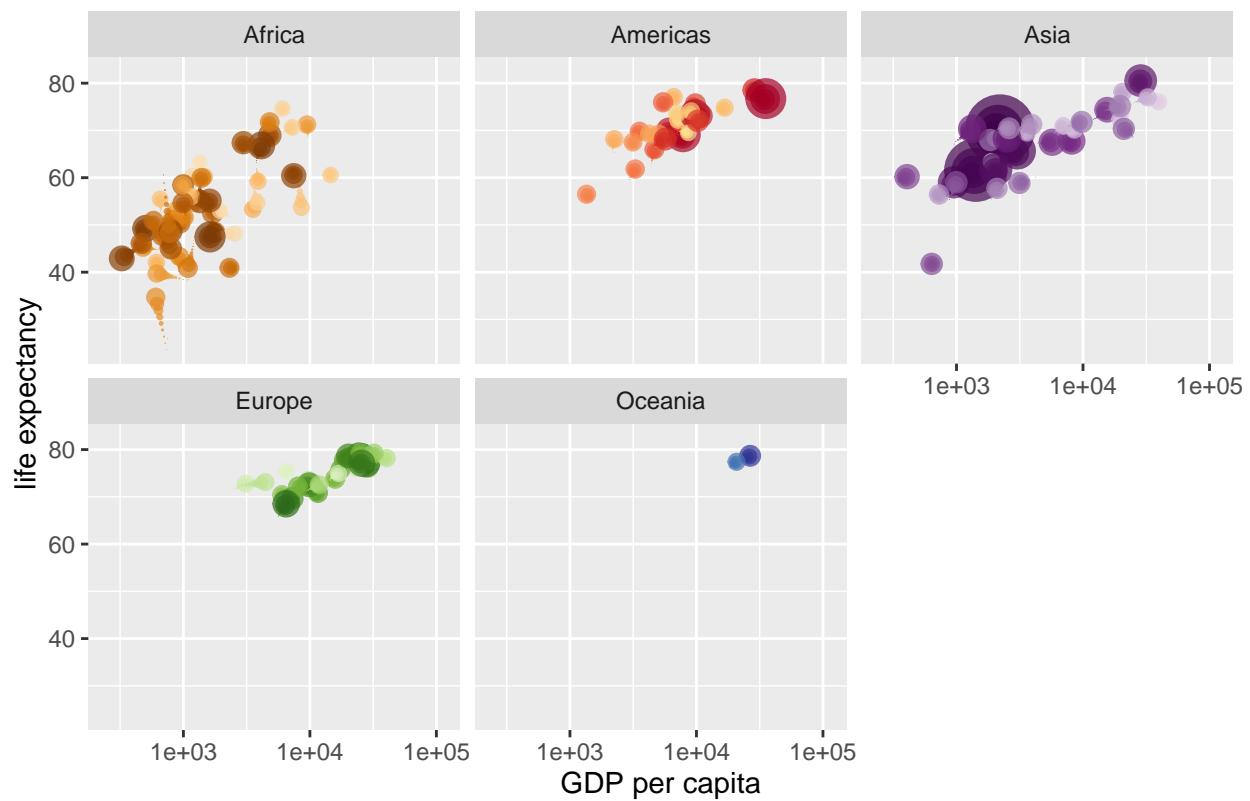
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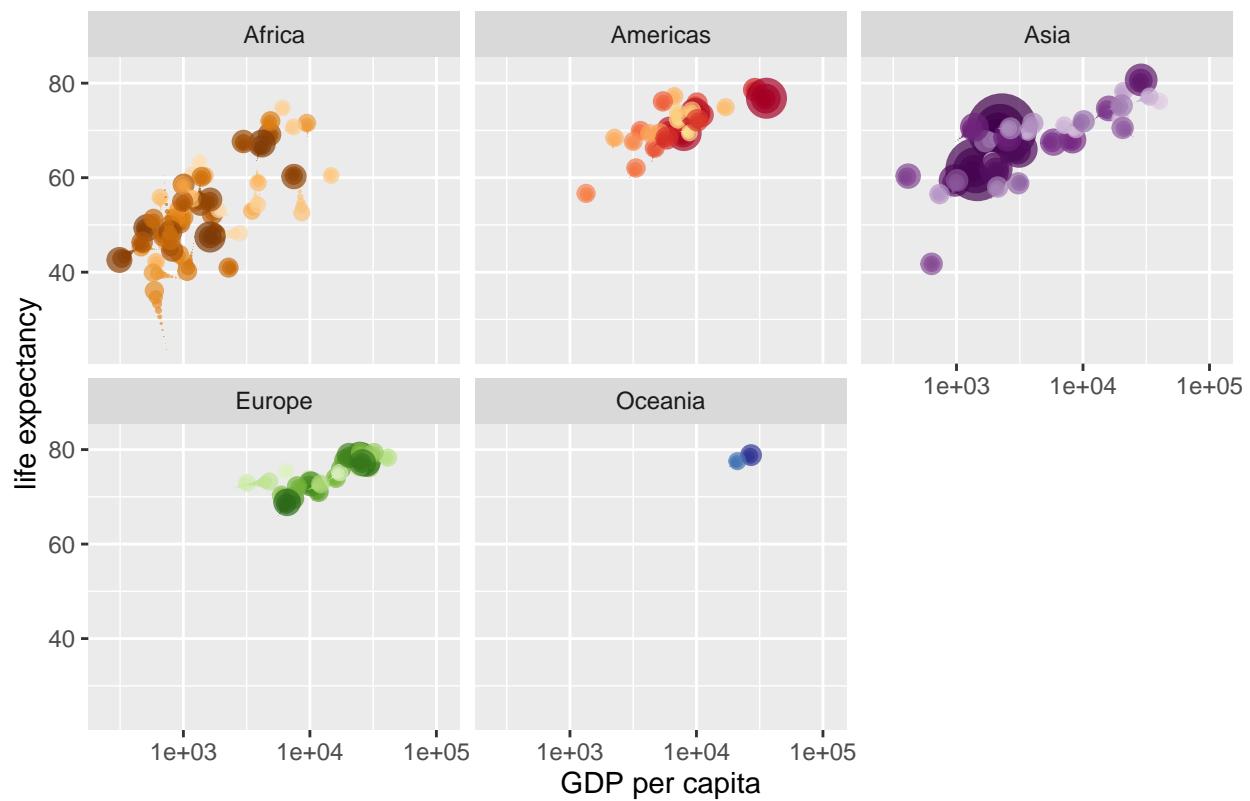
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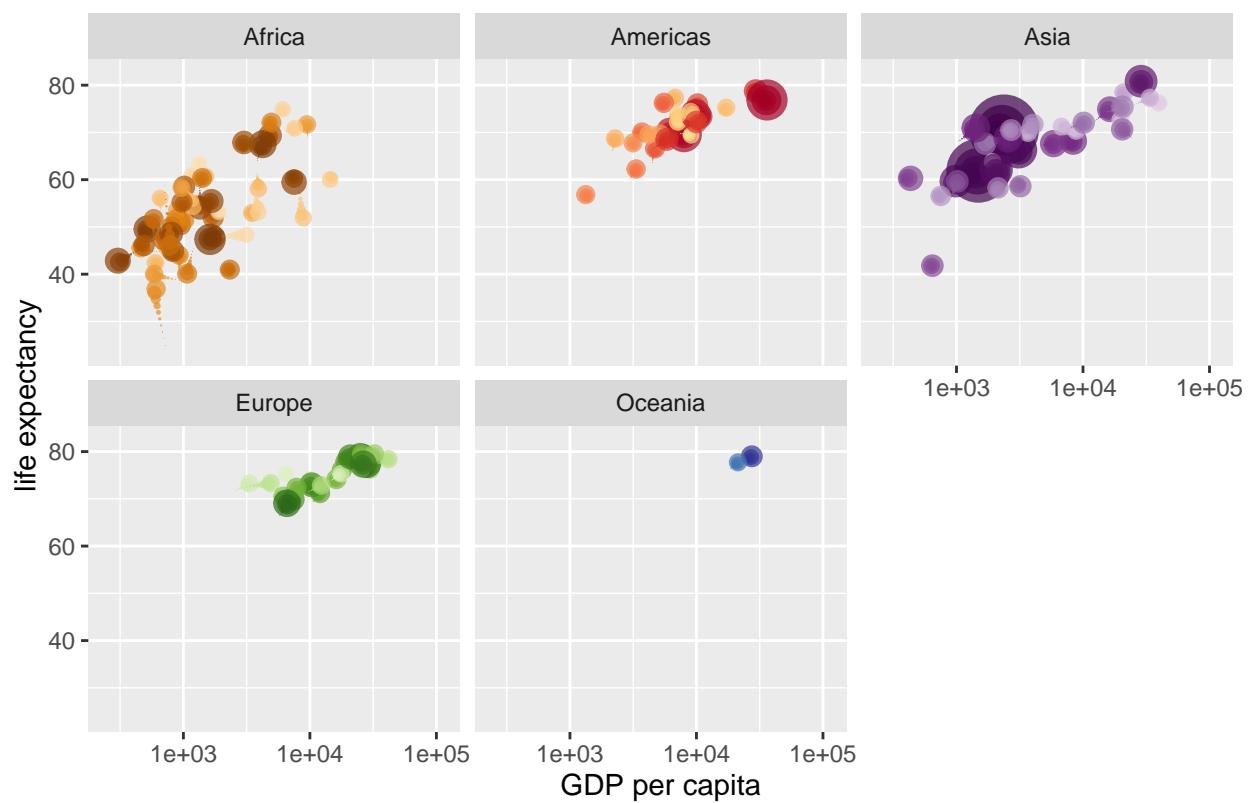
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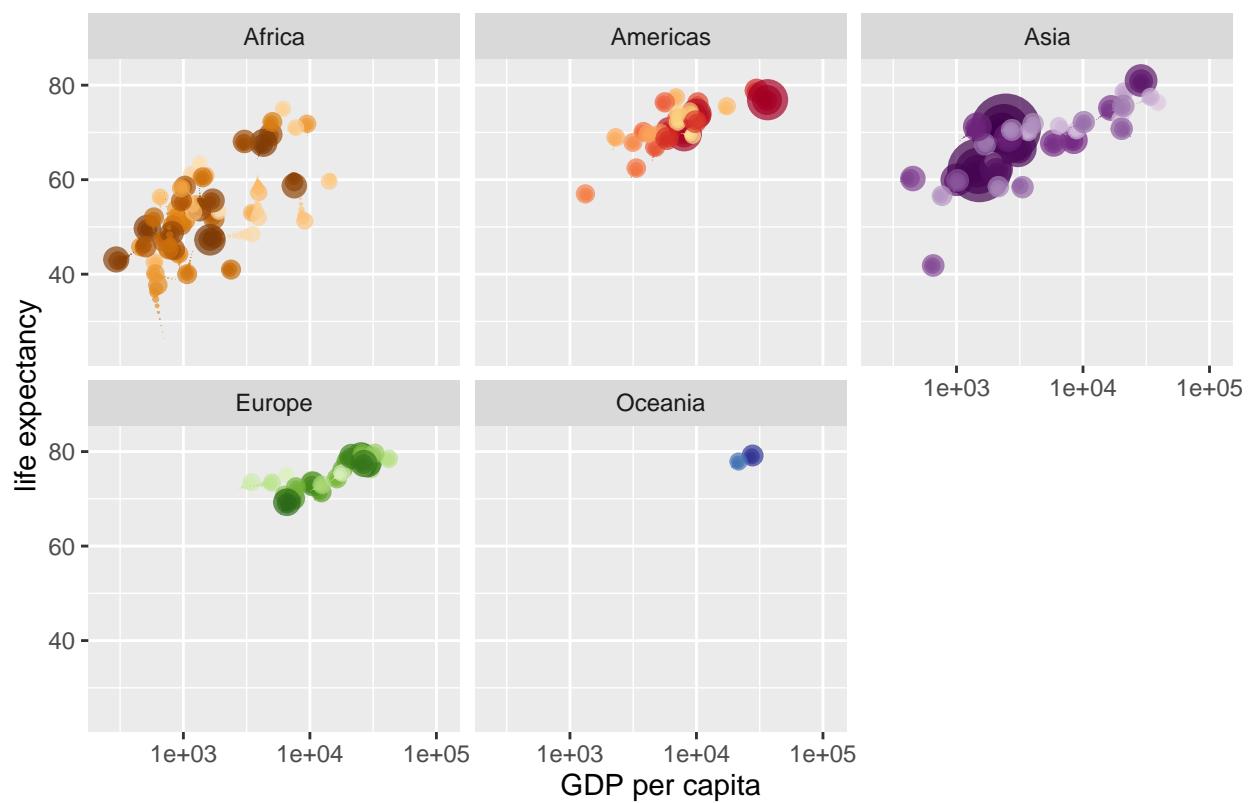
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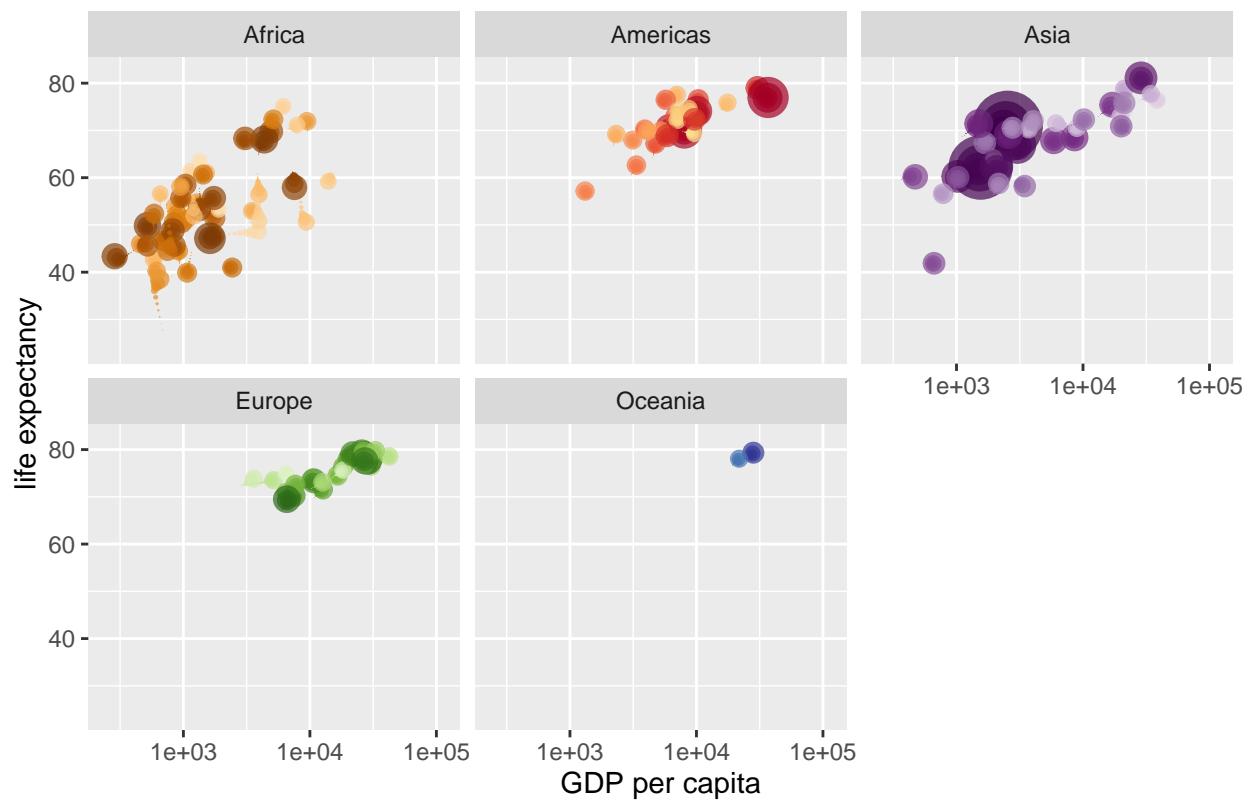
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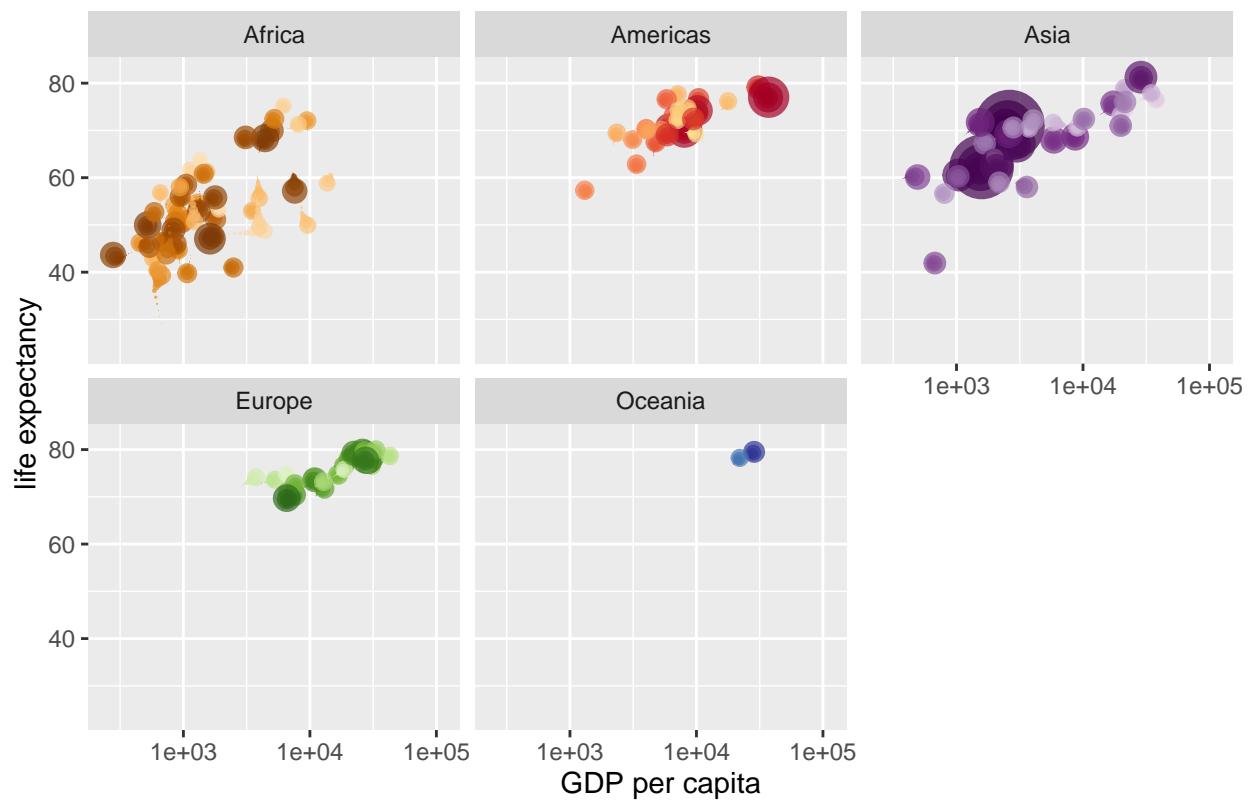
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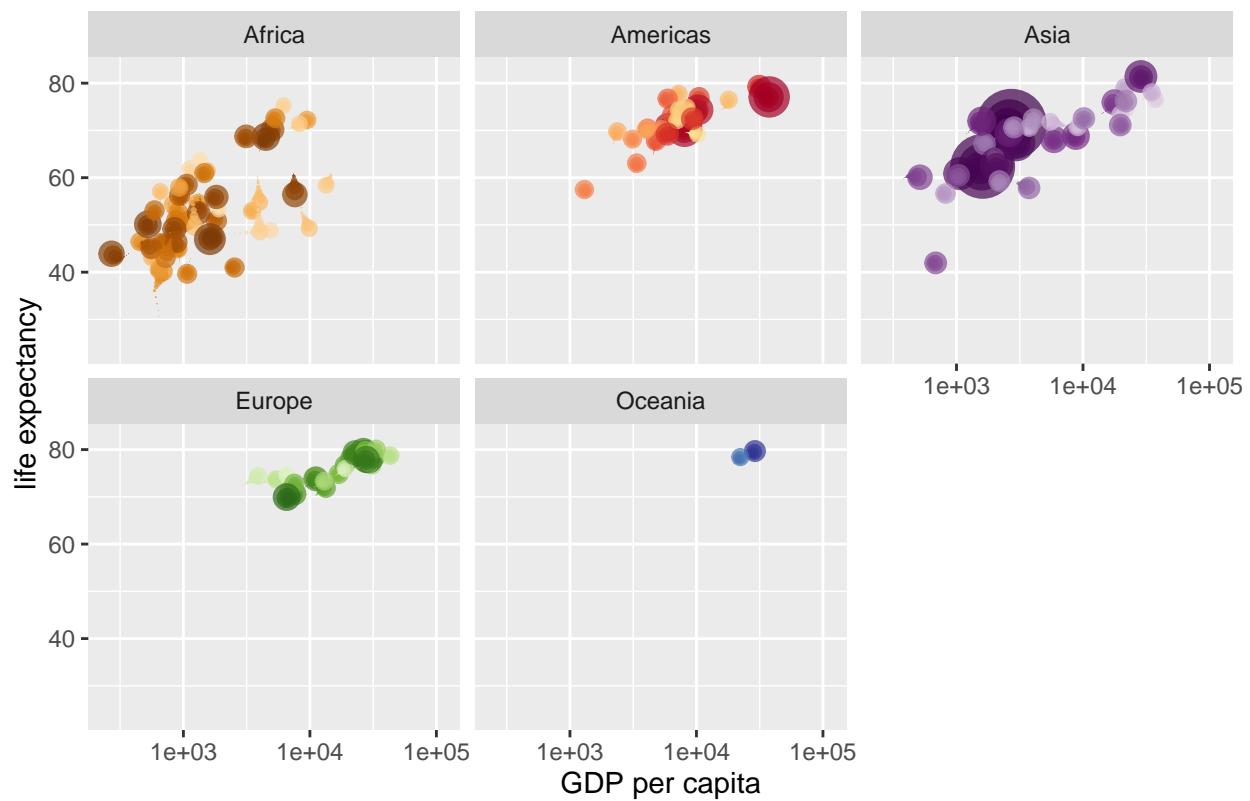
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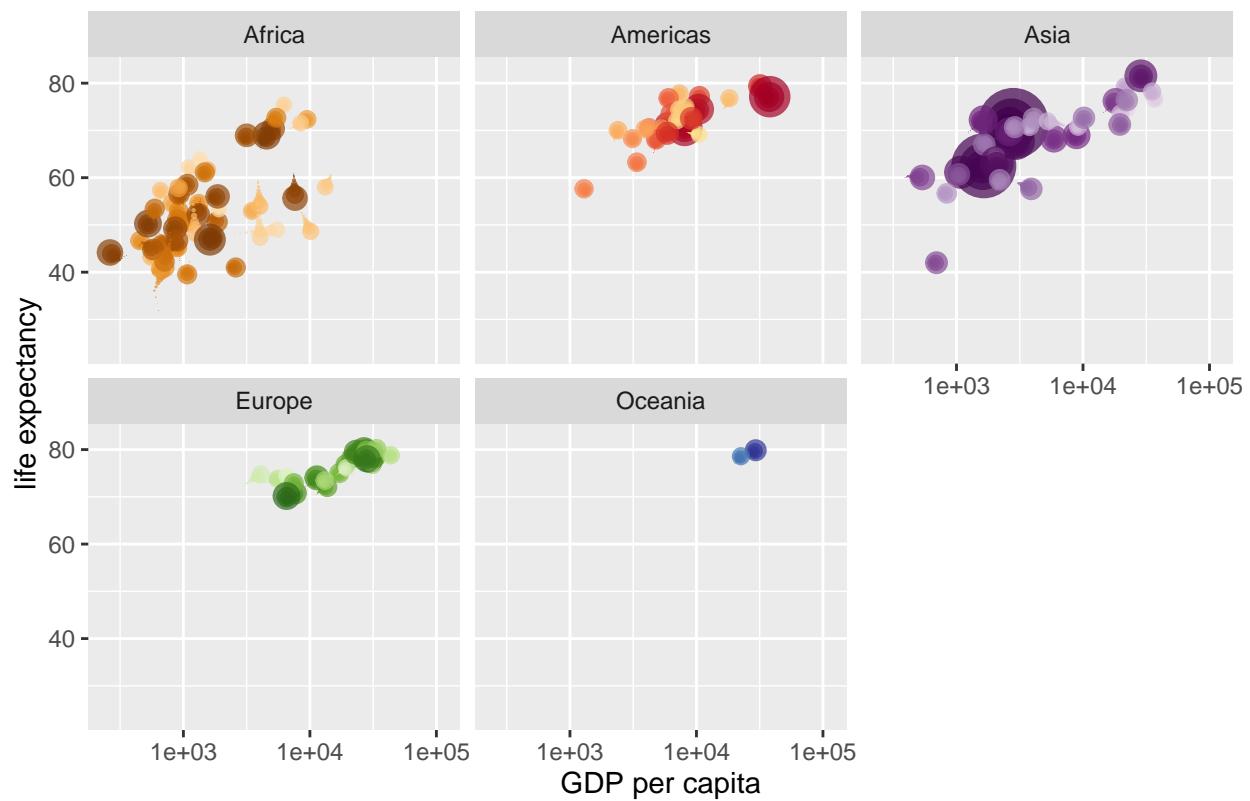
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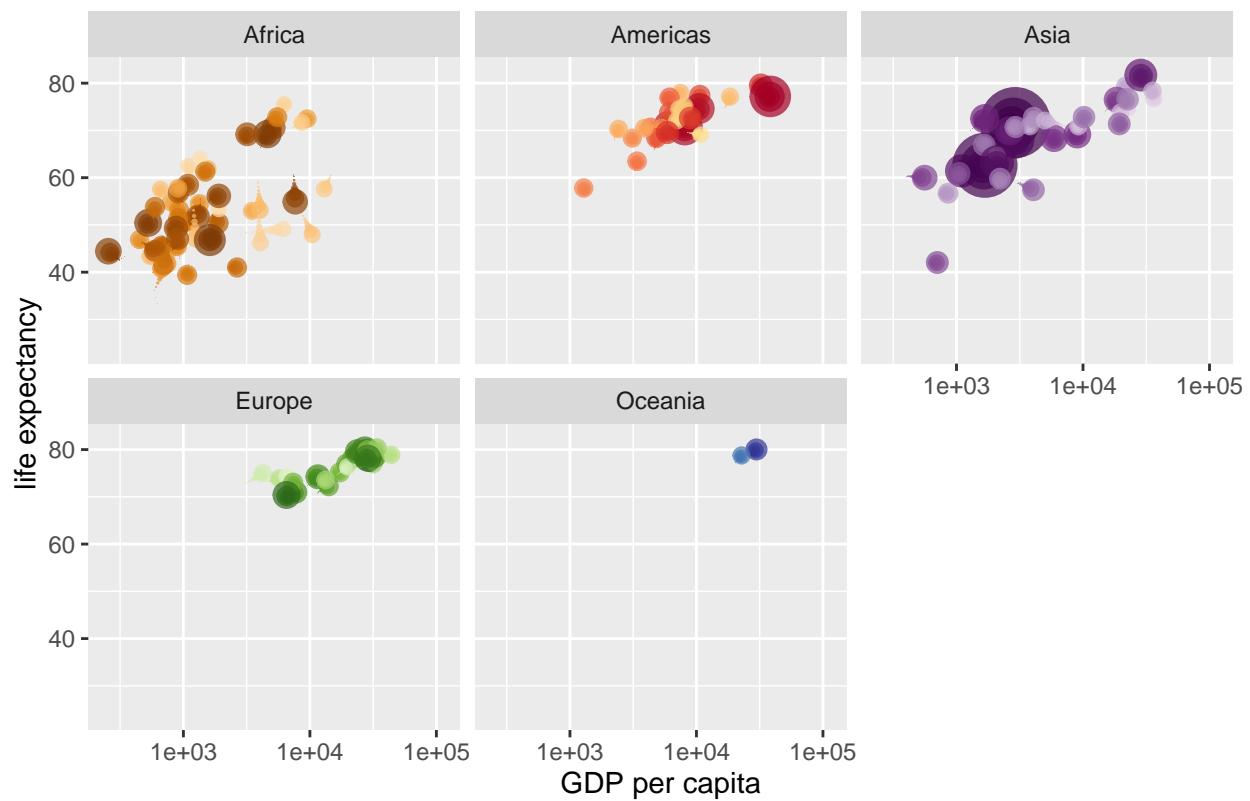
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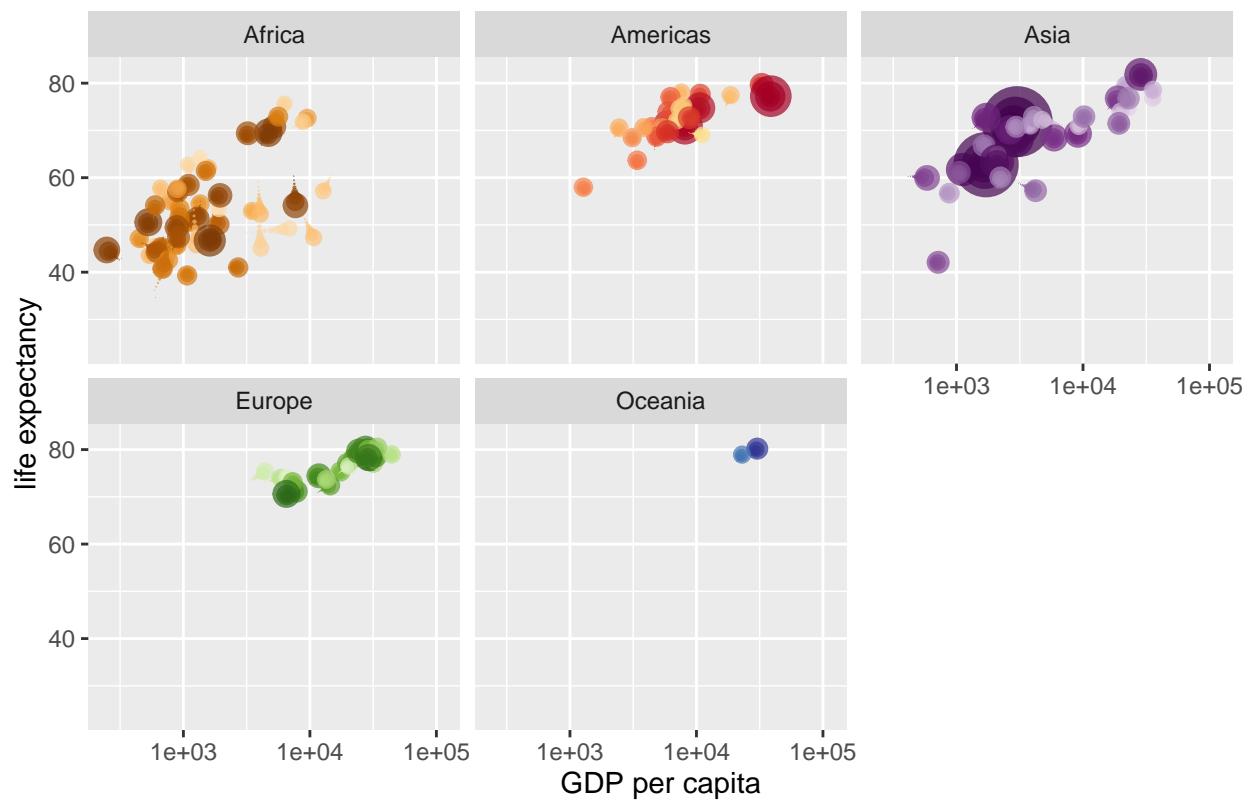
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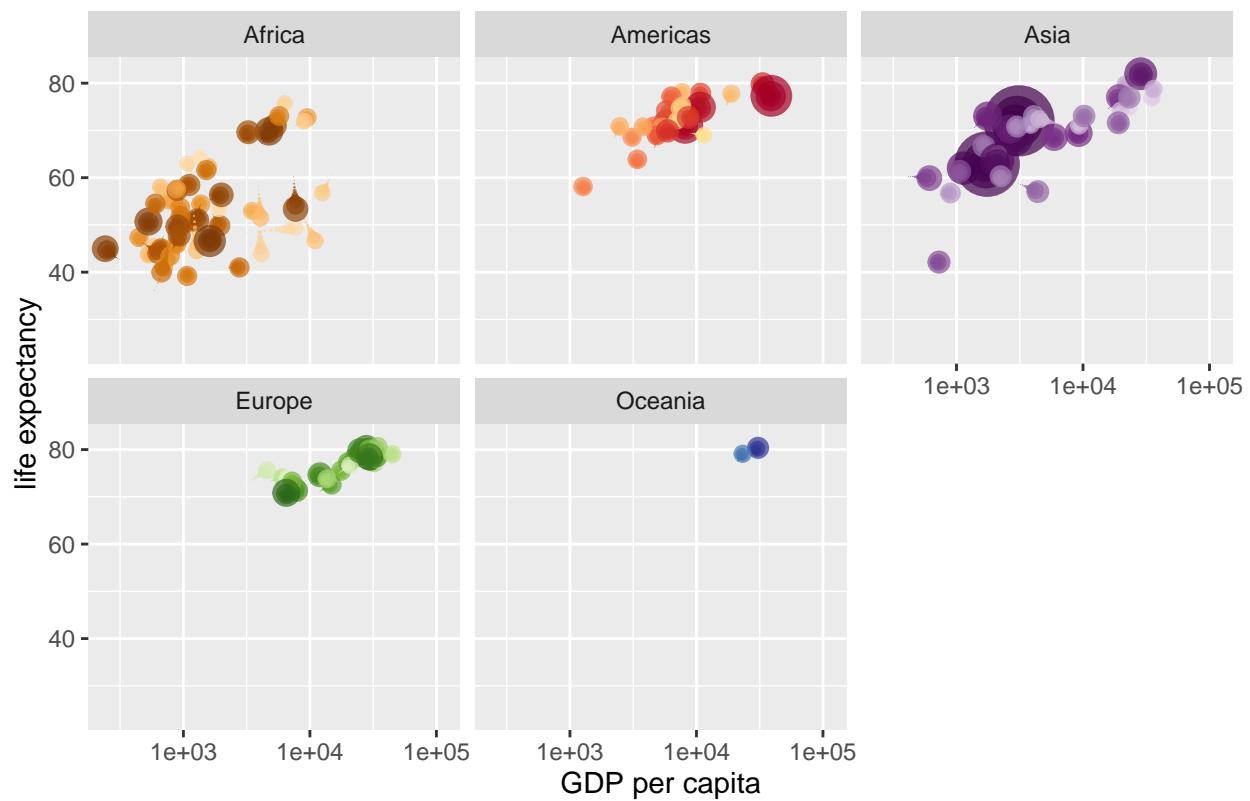
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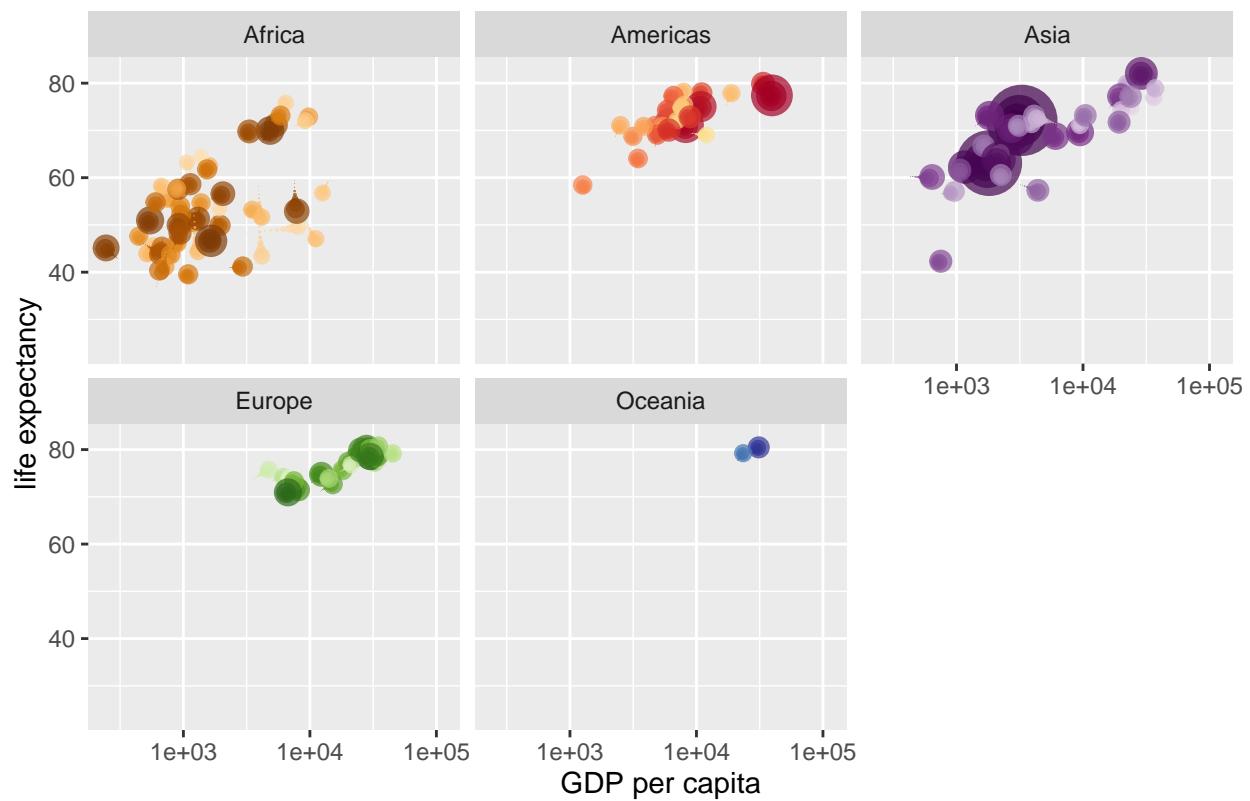
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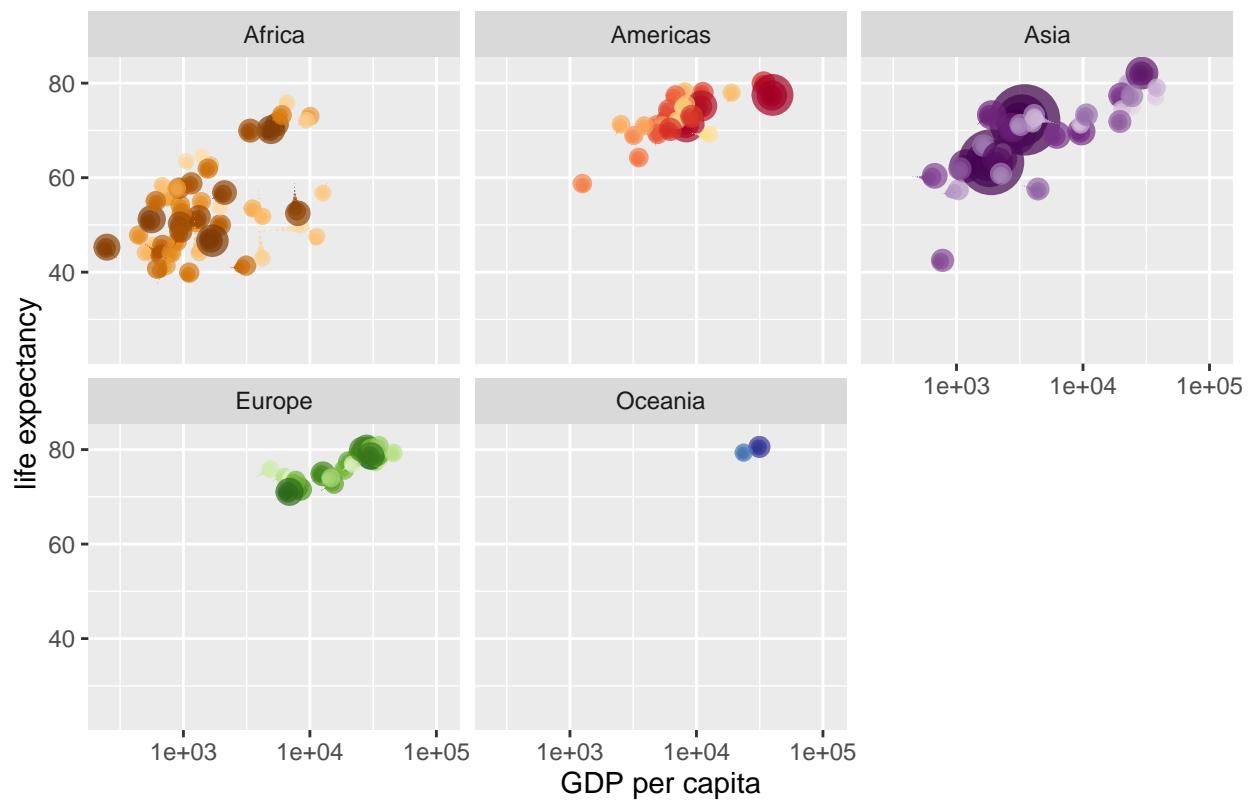
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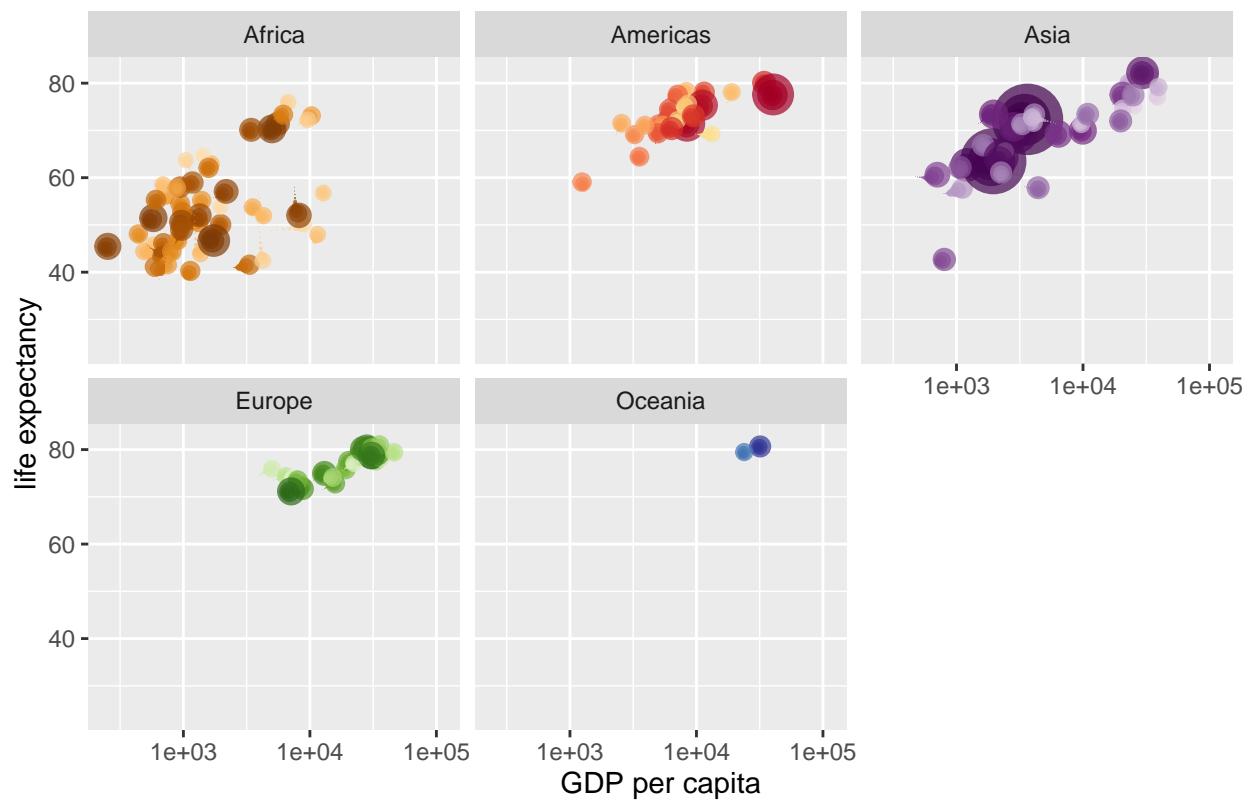
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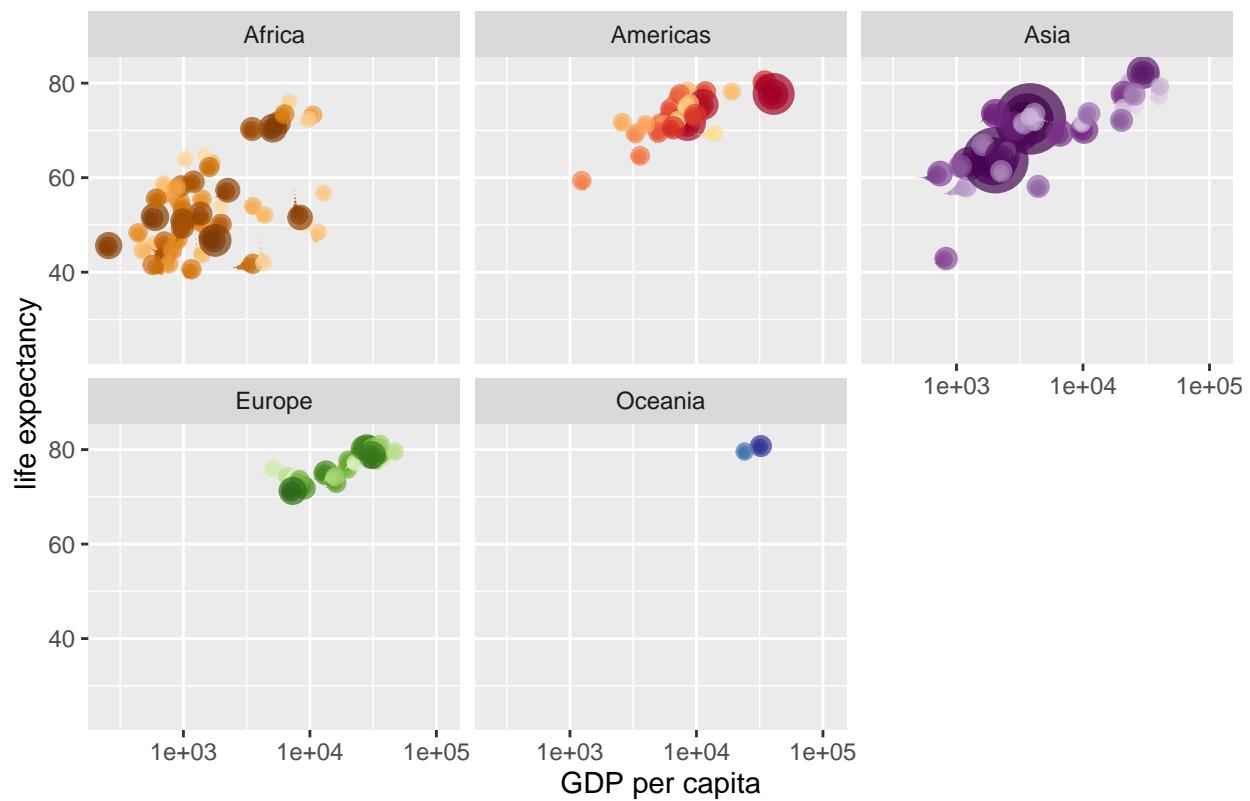
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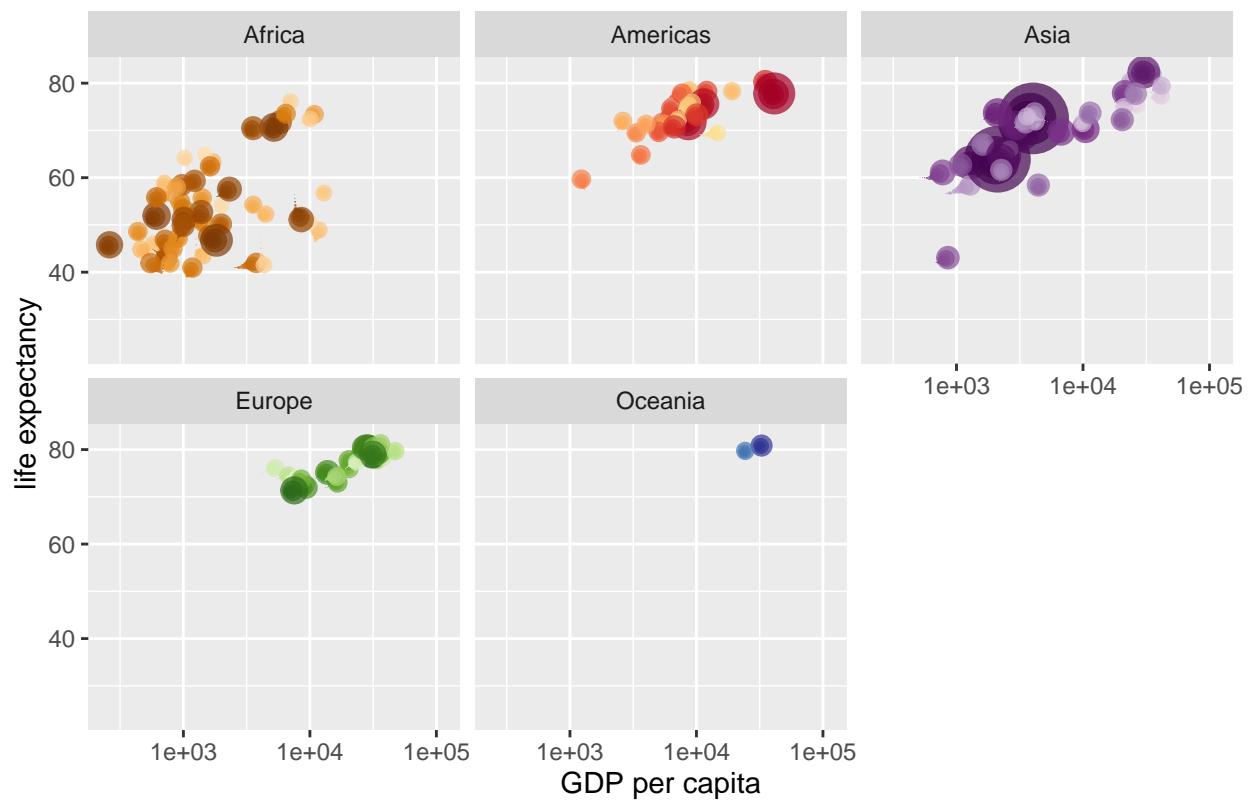
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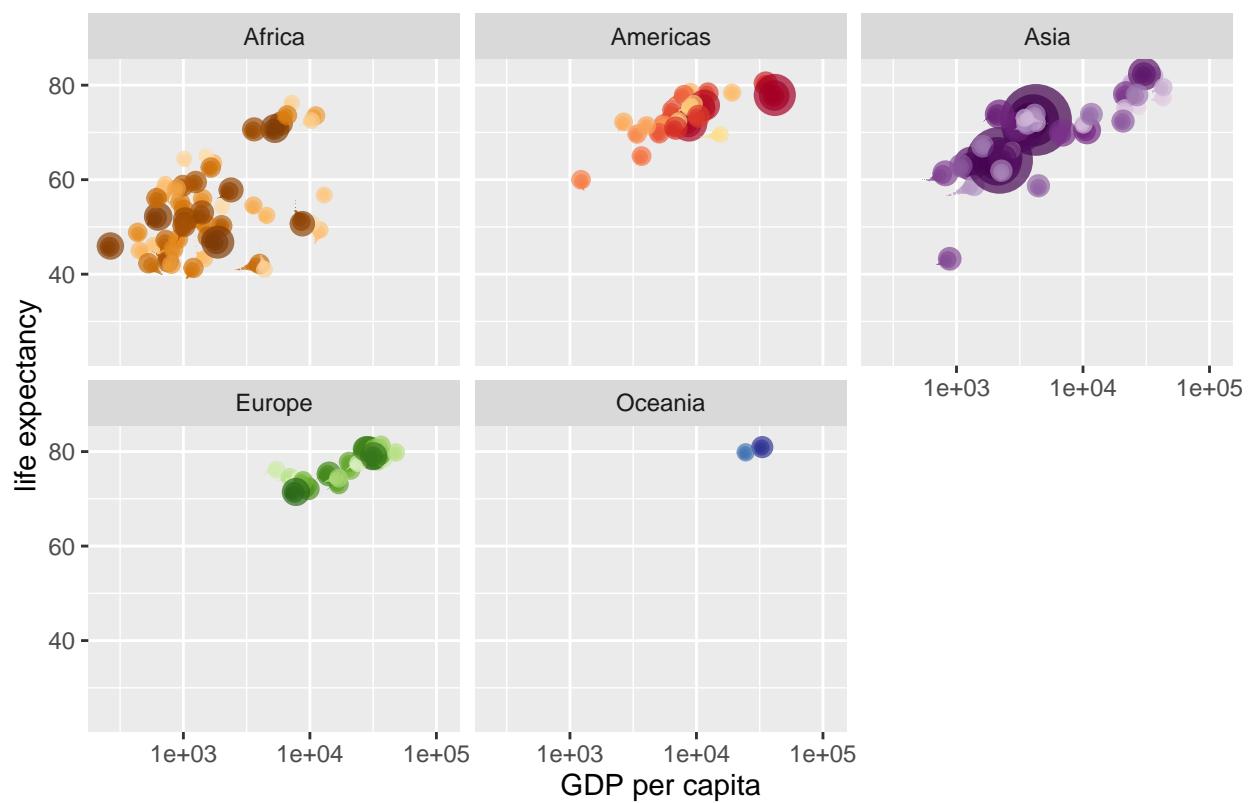
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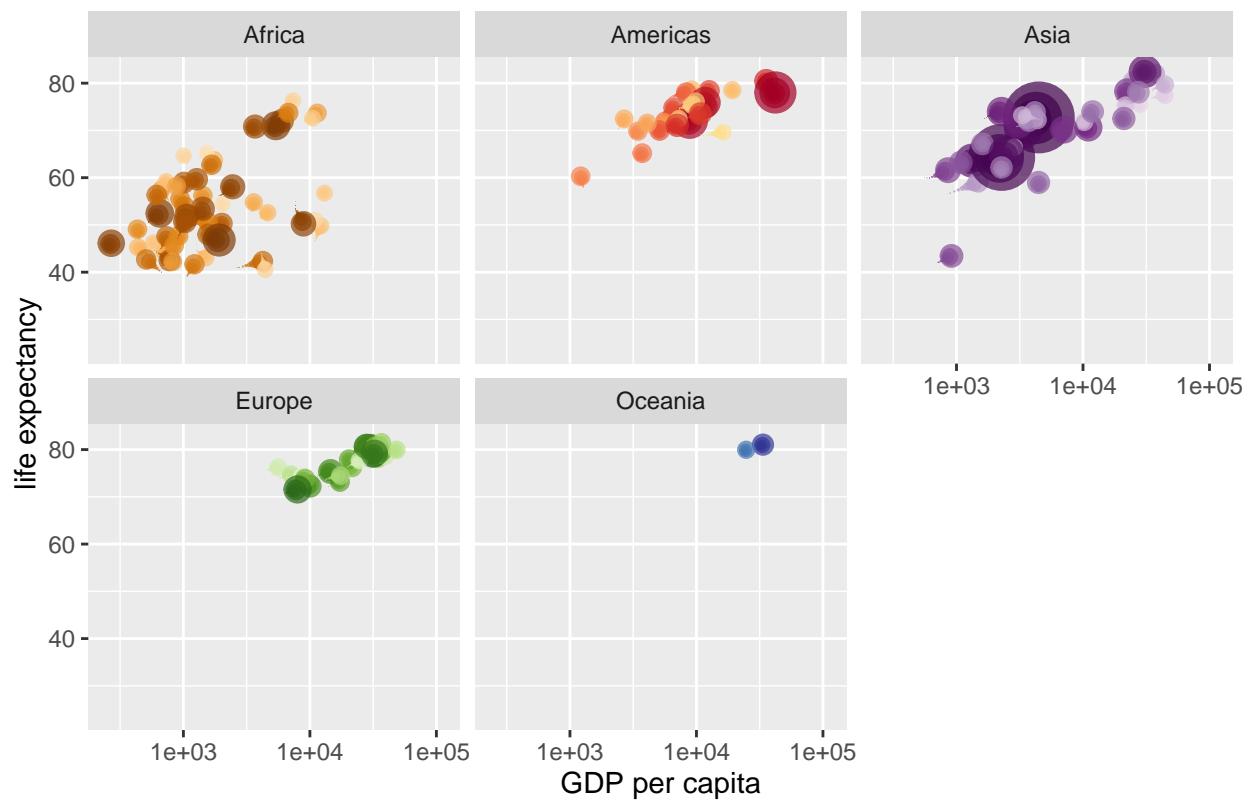
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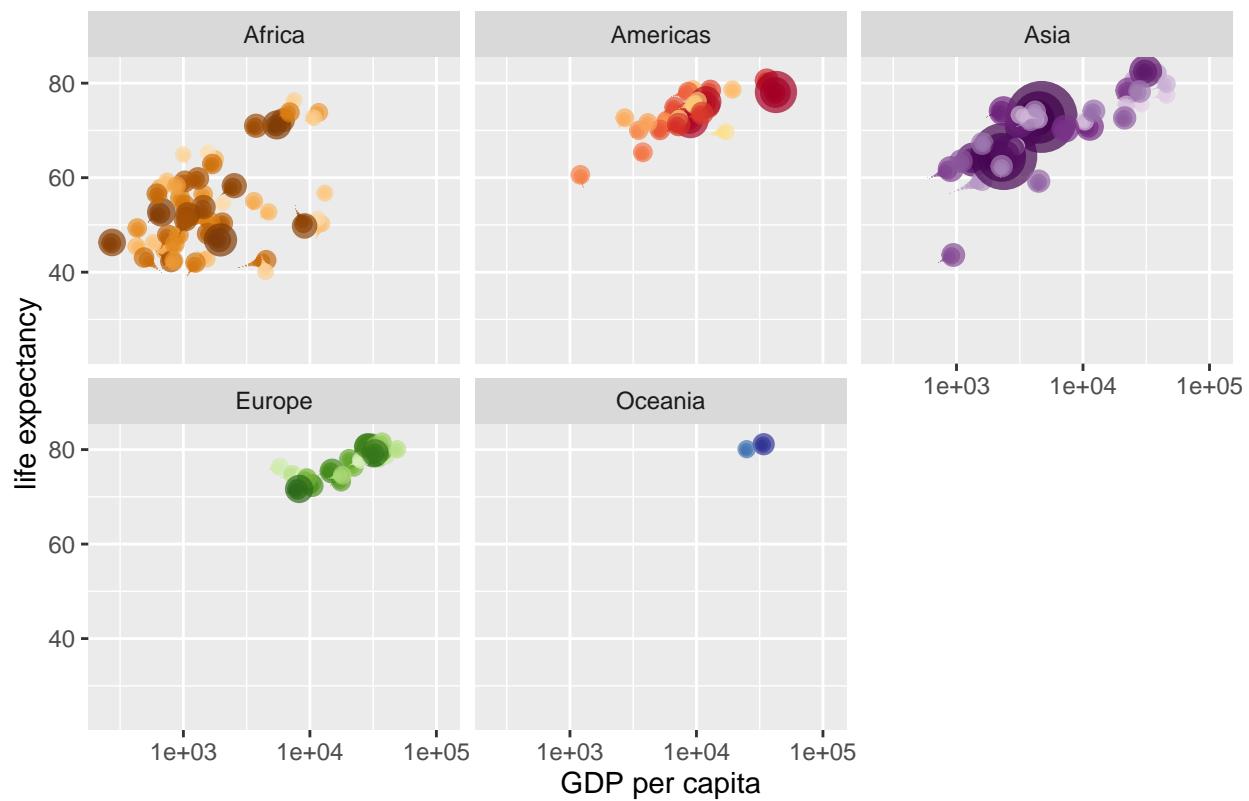
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Year: 2006



Year: 2006



Year: 2007

