

Task7

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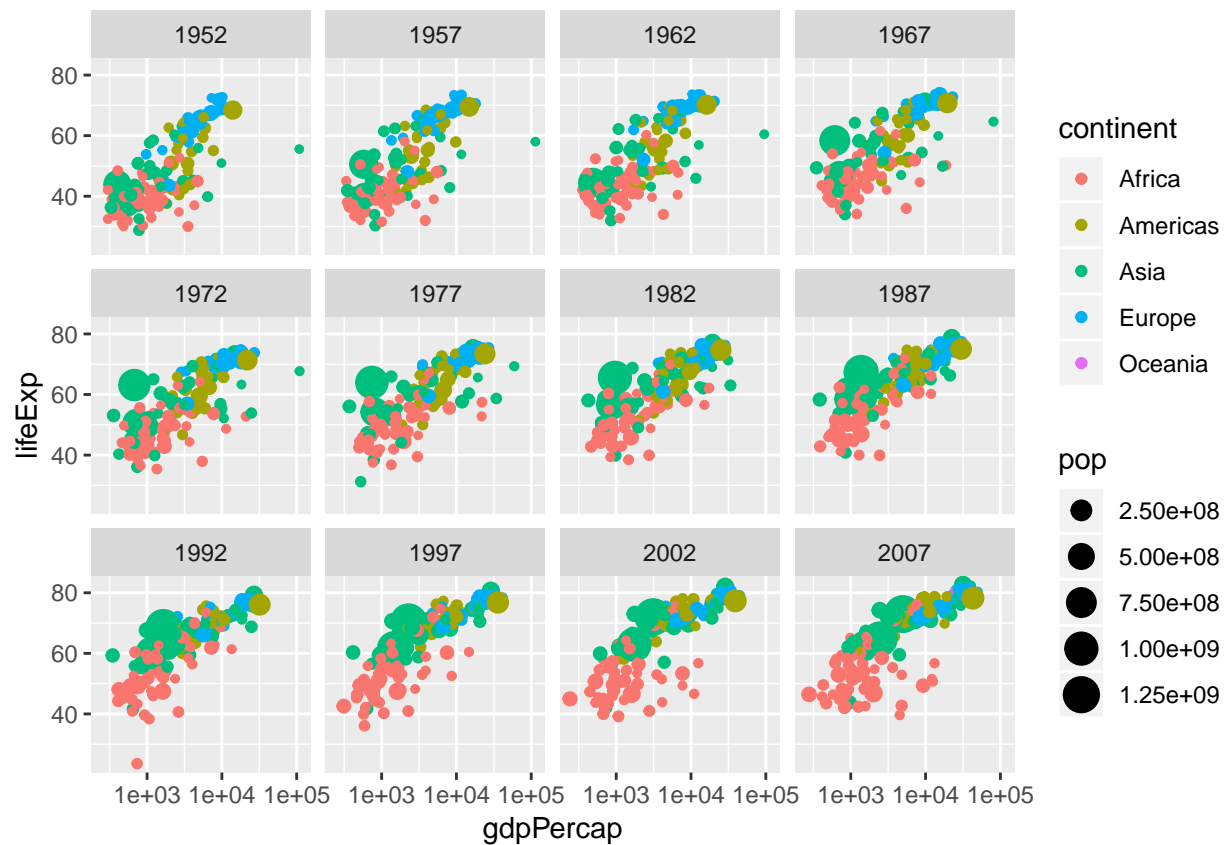
```
library(ggplot2)
library(gapminder)
library(dplyr)

##
## Attaching package: 'dplyr'
##
## The following objects are masked from 'package:stats':
##
##   filter, lag
##
## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
library(tidyr)

head(gapminder)

## # A tibble: 6 x 6
##   country    continent  year lifeExp      pop gdpPercap
##   <fct>      <fct>    <int>  <dbl>   <int>   <dbl>
## 1 Afghanistan Asia      1952   28.8  8425333    779.
## 2 Afghanistan Asia      1957   30.3  9240934    821.
## 3 Afghanistan Asia      1962   32.0 10267083    853.
## 4 Afghanistan Asia      1967   34.0 11537966    836.
## 5 Afghanistan Asia      1972   36.1 13079460    740.
## 6 Afghanistan Asia      1977   38.4 14880372    786.

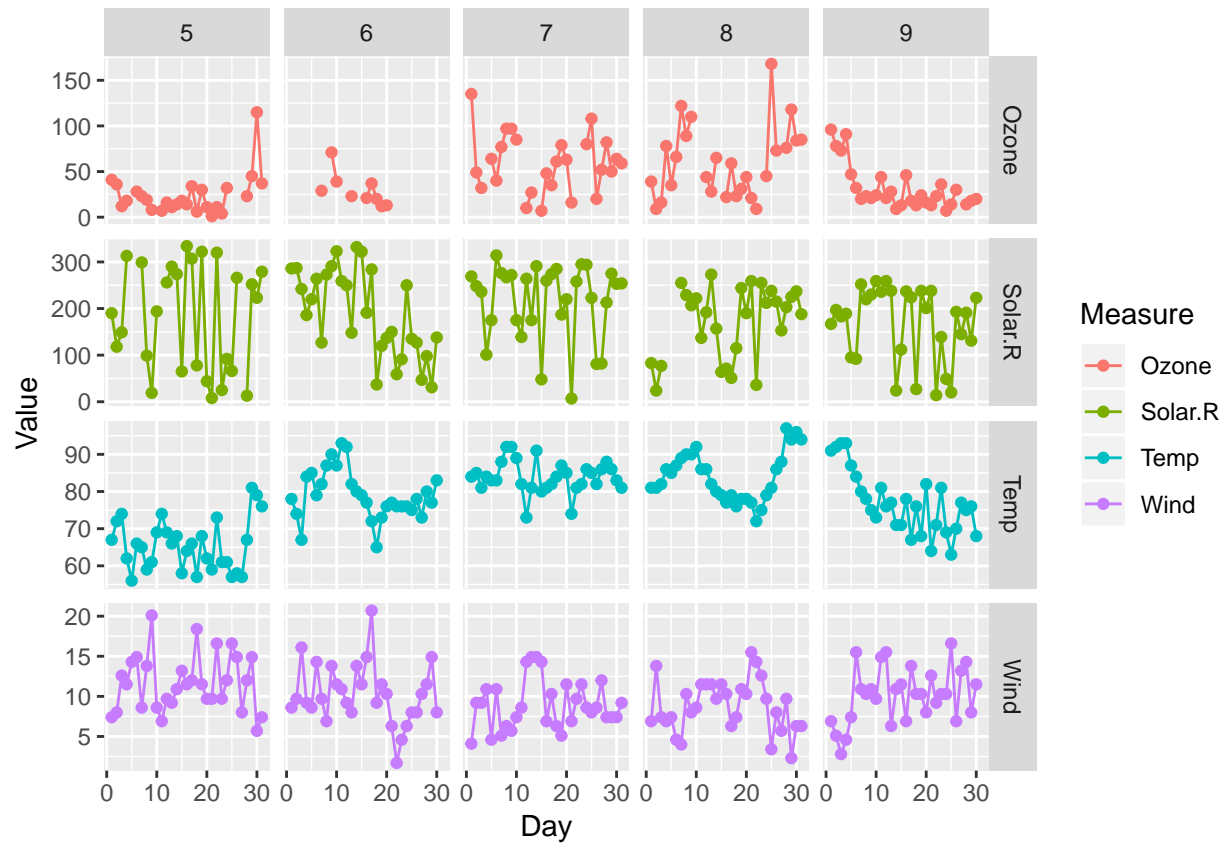
ggplot(gapminder, aes(x = gdpPercap,
                      y = lifeExp,
                      color = continent,
                      size = pop)) +
  geom_point() +
  scale_x_log10() +
  facet_wrap(year ~ .)
```



```
library(datasets)
head(airquality)
```

```
##   Ozone Solar.R Wind Temp Month Day
## 1    41     190  7.4   67     5    1
## 2    36     118  8.0   72     5    2
## 3    12     149 12.6   74     5    3
## 4    18     313 11.5   62     5    4
## 5    NA      NA 14.3   56     5    5
## 6    28      NA 14.9   66     5    6
```

```
airquality %>% tidyr::gather("Measure", "Value", 1:4) %>%
  ggplot(aes(x = Day,
             y = Value,
             color = Measure)) +
  geom_point(na.rm = TRUE) +
  geom_line() +
  facet_grid(Measure ~ Month, scales = "free_y")
```



```
some_data <- beaver1
head(some_data)
```

```
##   day time  temp activ
## 1 346  840 36.33     0
## 2 346  850 36.34     0
## 3 346  900 36.35     0
## 4 346  910 36.42     0
## 5 346  920 36.55     0
## 6 346  930 36.69     0
```

```
ggplot(some_data, aes(x = temp)) +
  geom_histogram(bins = 15) +
  theme_classic()
```

