Task7

Darya Nemirich

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

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

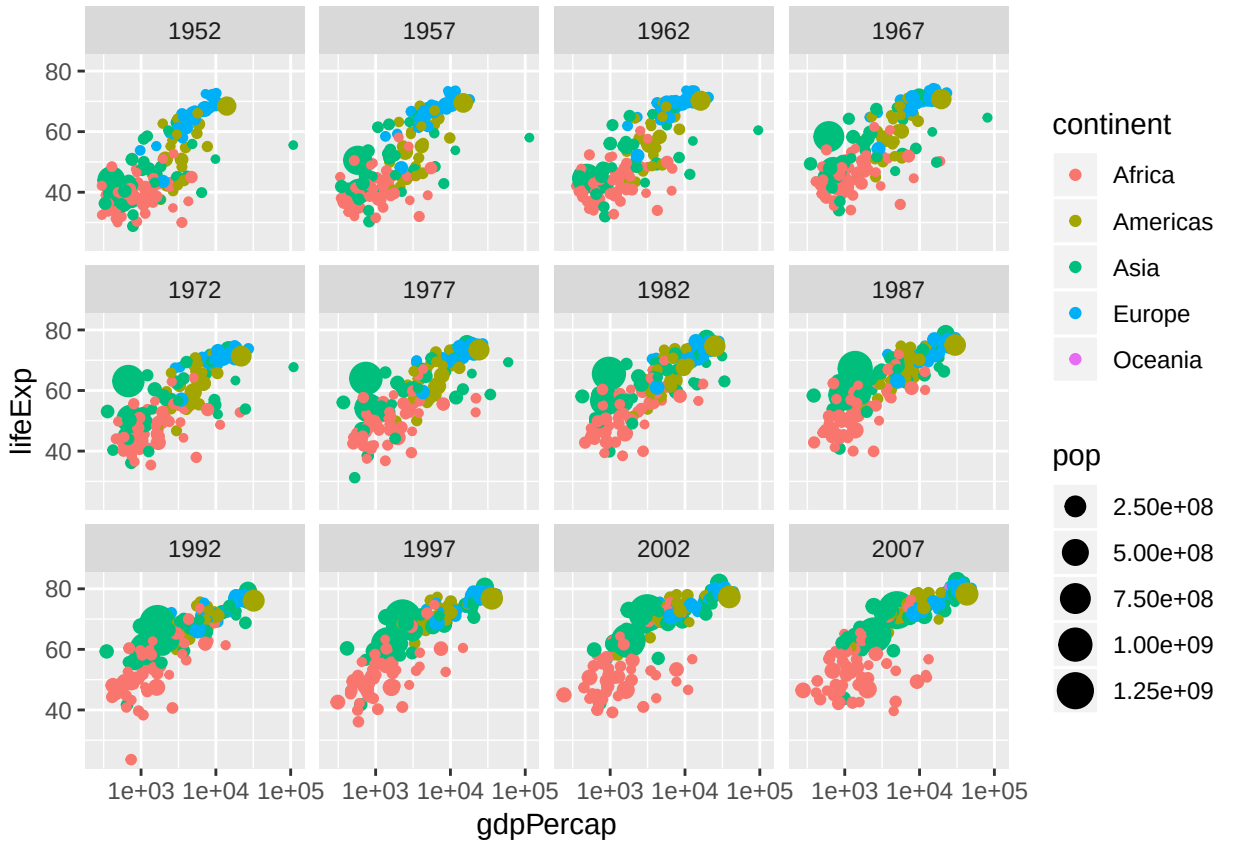
```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
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.
```

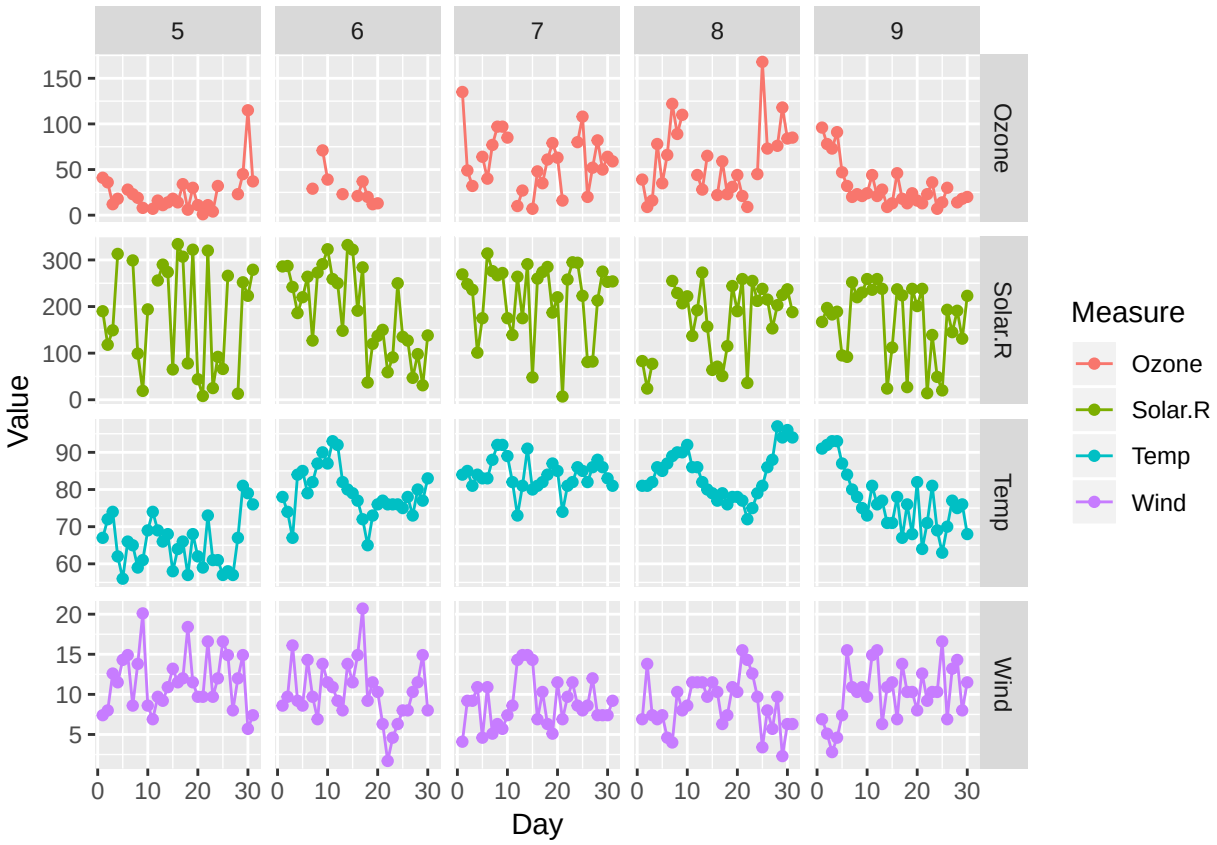
```
ggplot(gapminder, aes(x = gdpPercap,
                      y = lifeExp,
                      color = continent,
                      size = pop)) +
  geom_point() +
  scale_x_log10() +
  facet_wrap(year ~ .)
```




```
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")
```


5
6
7
8
9
Ozone
Solar.R
Temp
Wind
Value
Day
Measure
Ozone
Solar.R
Temp
Wind