task_7

Mrinal Vashisth

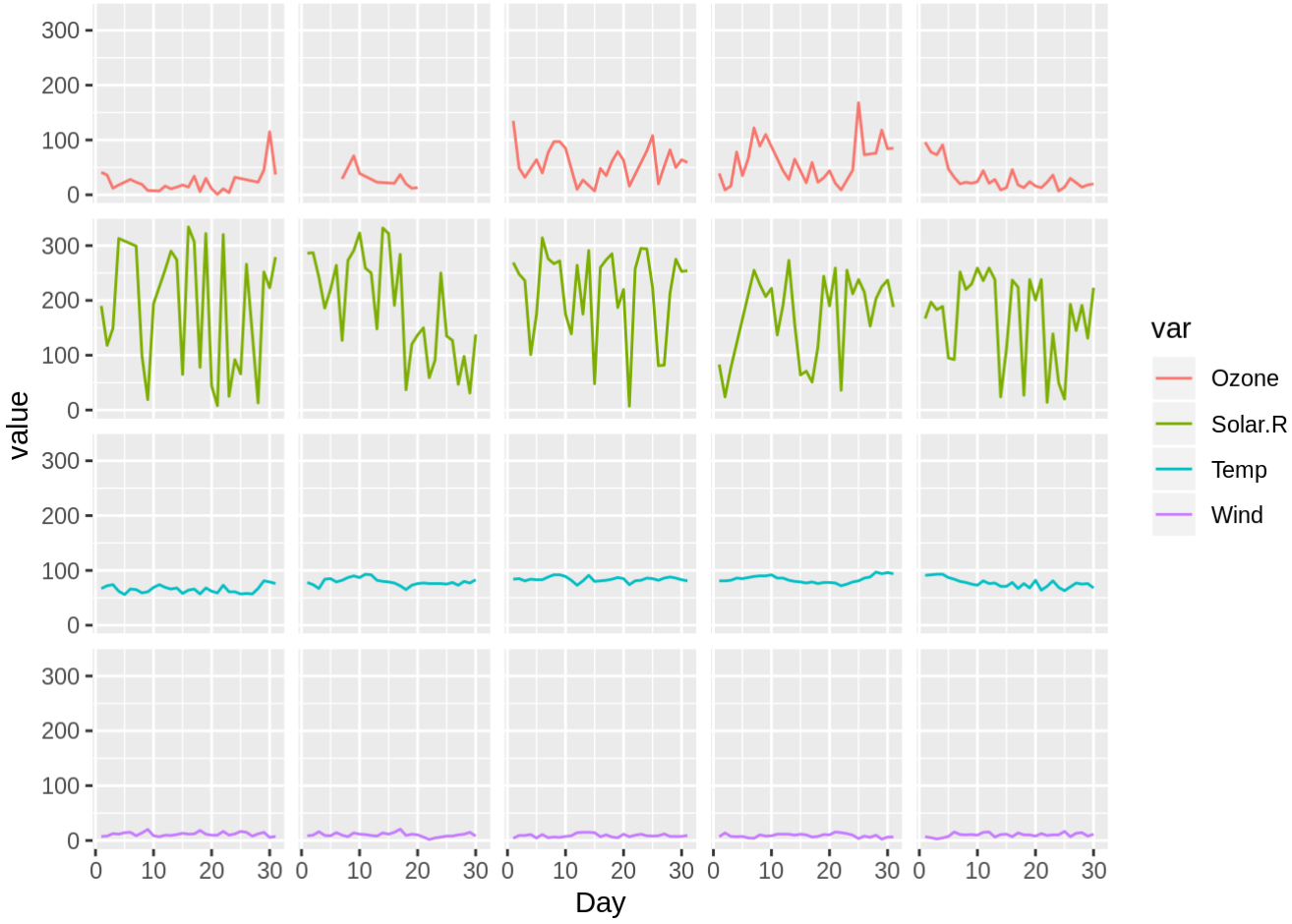
4/12/2019

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

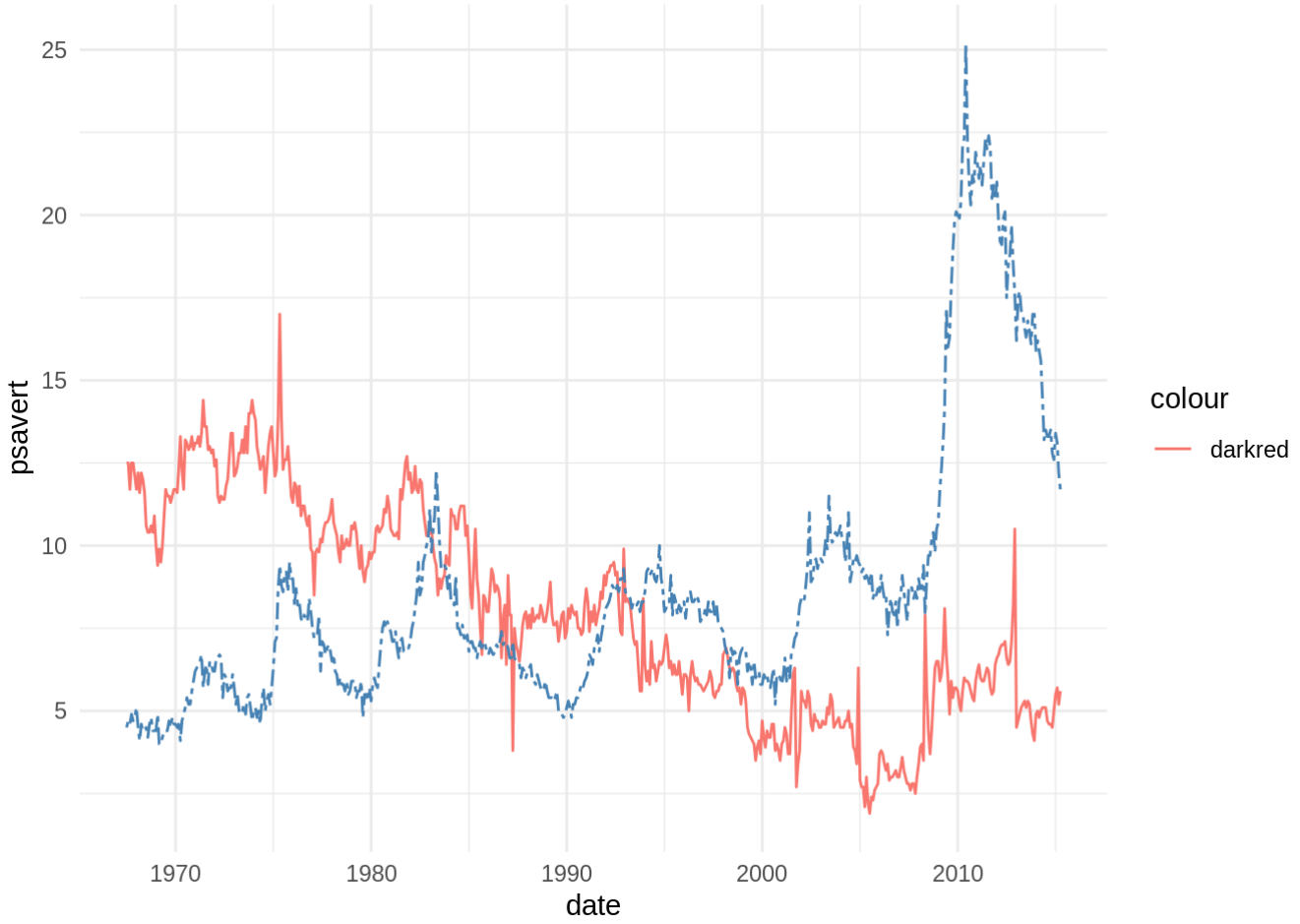
```
## Registered S3 methods overwritten by 'ggplot2':
##   method         from
##   [.quosures     rlang
##   c.quosures     rlang
##   print.quosures rlang
```

```
ggplot(gapminder, aes(x = gdpPercap, y = lifeExp)) +
  geom_point(aes(color = continent, size = pop), alpha = 0.8) +
  scale_x_continuous(trans = 'log') +
  facet_wrap(~year) +
  scale_color_brewer(type = "Qual", palette = "Accent") +
  theme(text = element_text(size = 7))
```

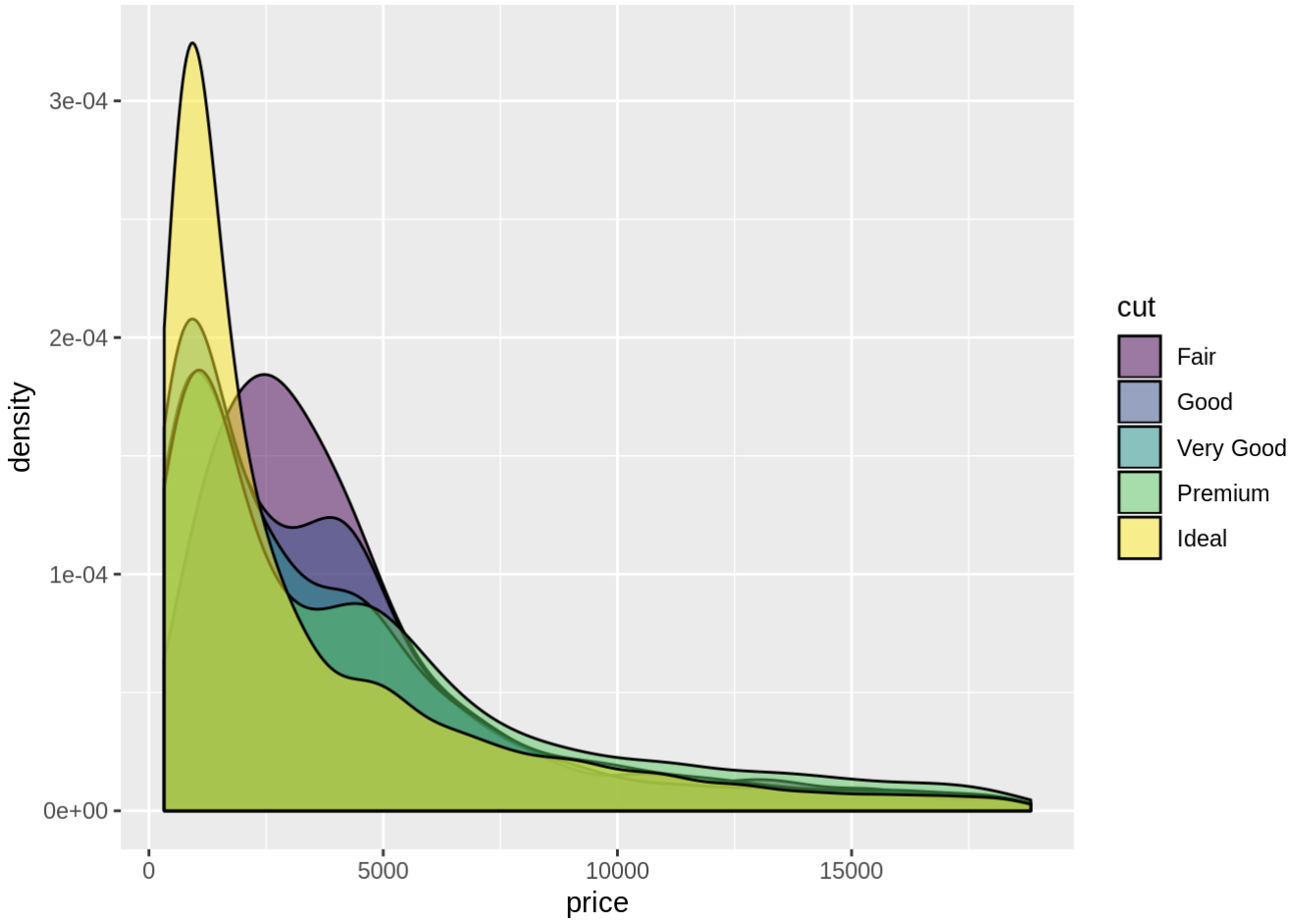
```
library(graphics)
library(tidyr)

g <- airquality %>%
  gather(Ozone, Wind, Temp, Solar.R, key = "var", value = "value")

h <- na.omit(g)

plot_1 <- ggplot(h, aes(x = Day, y = value, color = var)) +
     geom_line() +
    facet_wrap(h$var ~ h$Month)

plot_1 + theme(strip.text.x = element_blank())
```




```
# Distributional plots for economics data

#__________plot of returns percentage__________
ggplot(economics, aes(x = date)) +
  geom_line(aes(y = psavert, color = "darkred")) +
  geom_line(aes(y = uempmed), color = "steelblue", linetype = "twodash") +
  theme_minimal()
```




```
# analysis for diamonds data using area plot

#_________cost for quality of diamonds_________
ggplot(data=diamonds,aes(x=price, group=cut, fill=cut)) +
    geom_density(adjust=1.5 , alpha=0.5)
```


3e-04
2e-04
1e-04
0e+00
density
0
5000
10000
15000
price
cut
Fair
Good
Very Good
Premium
Ideal