GroupActivity.rmd

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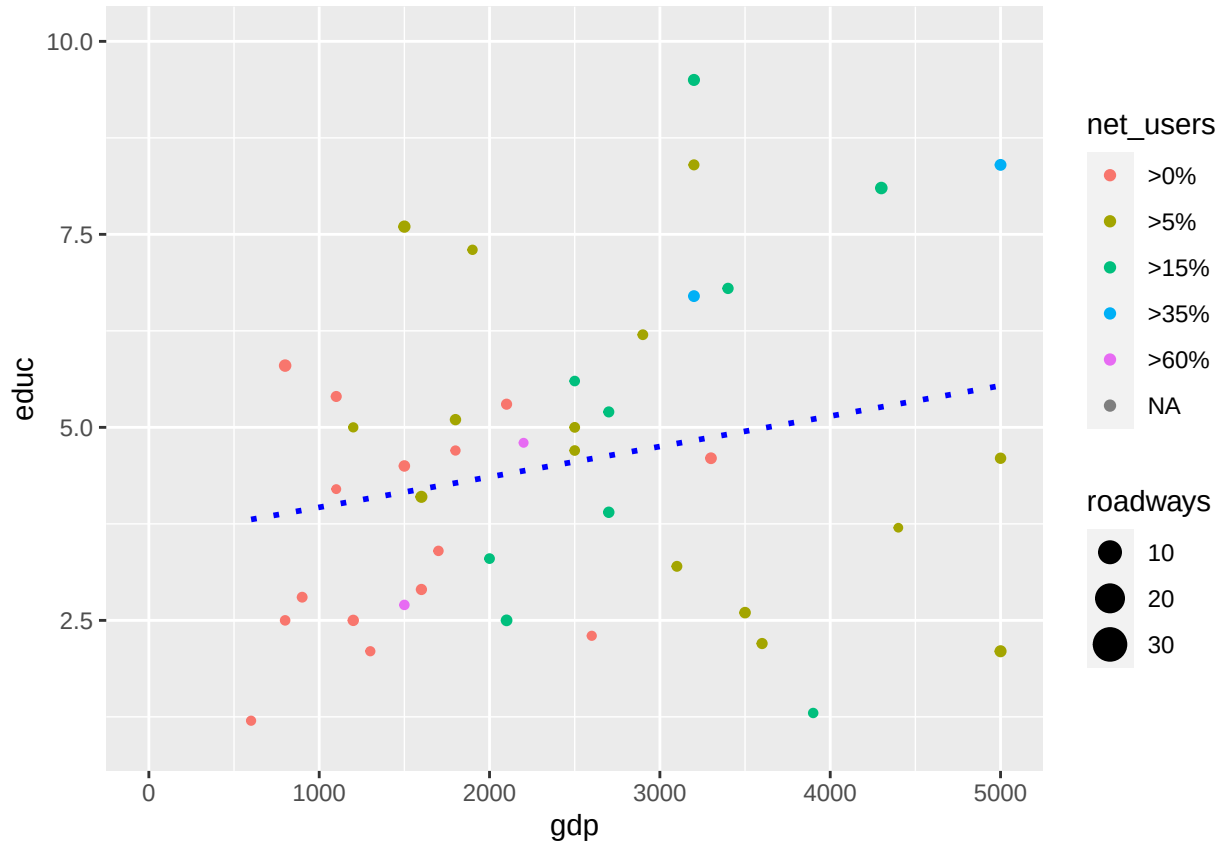
```
library(ggplot2)

# Install and load the mdsr package
#install.packages("mdsr")
library(mdsr)

# Load the CIACountries dataset
data("CIACountries")

ggplot(data = CIACountries, aes(x=gdp, y=educ))+geom_point(aes(color=net_users, size=roadways))+xlim(c(0
```

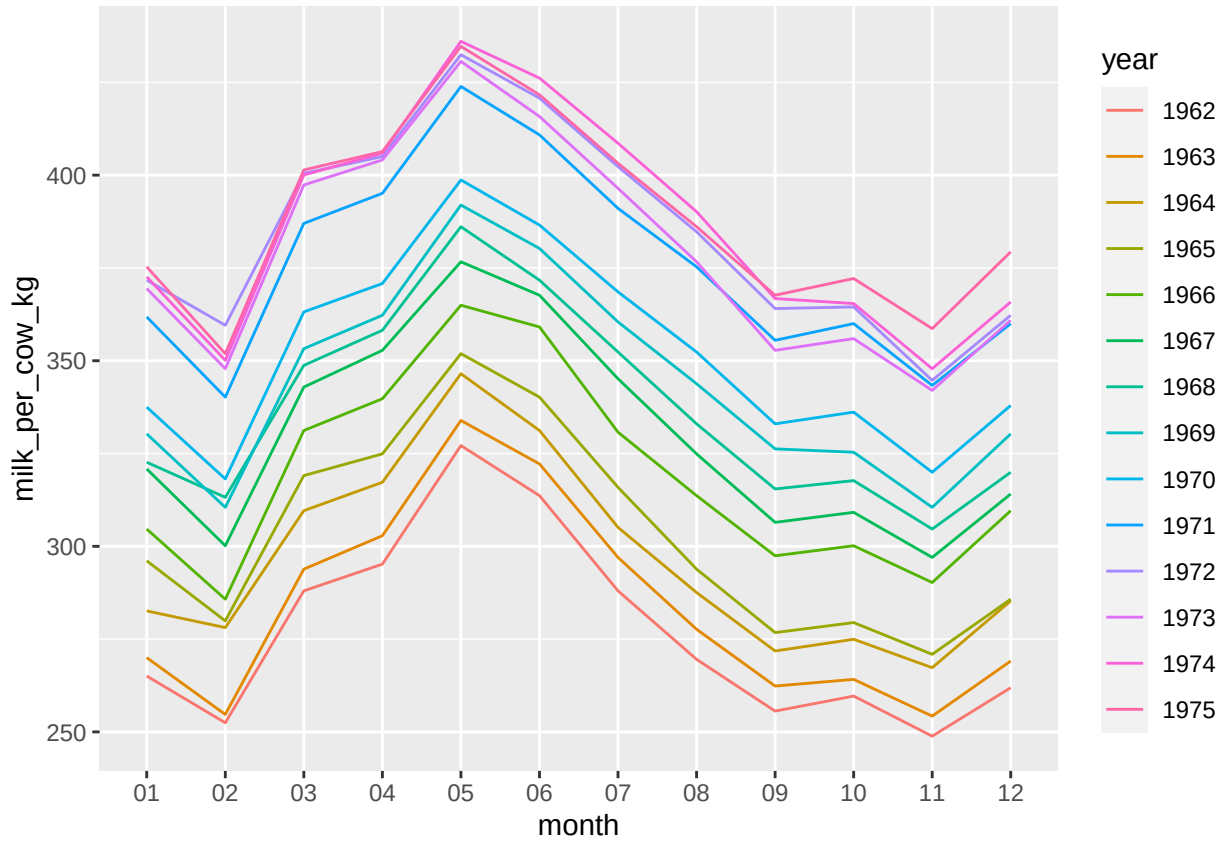
```
## `geom_smooth()` using formula = 'y ~ x'

## Warning: Removed 193 rows containing non-finite values (`stat_smooth()`).

## Warning: Removed 193 rows containing missing values (`geom_point()`).
```



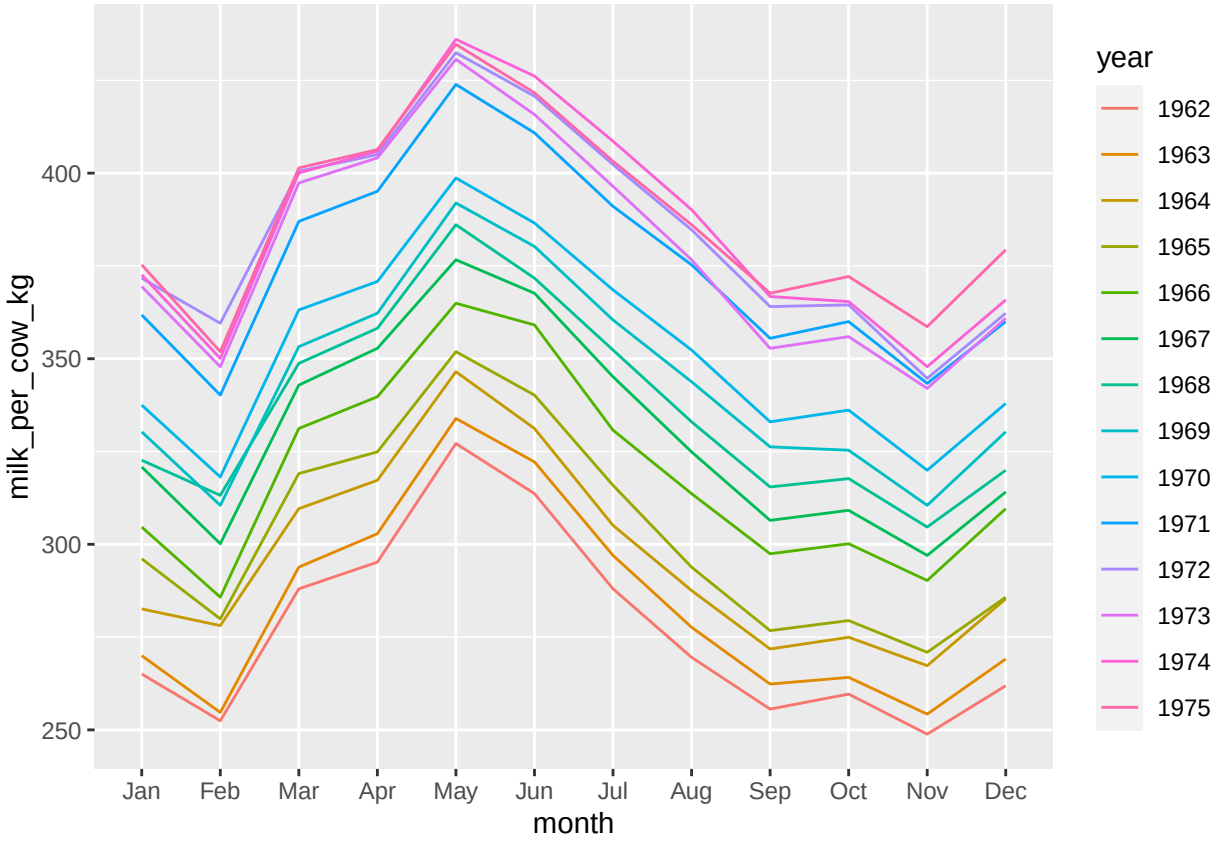

```
# Load necessary libraries
library(readxl)
library(ggplot2)

# Read the Excel file
# "file" -> "Import Dataset" -> "From Excel" -> "Browse" -> Copy & Paste path:
milk <- read_excel("~/Desktop/Data211/Week 6/milk.xlsx")
str(milk)
```

```
## tibble [168 x 2] (S3: tbl_df/tbl/data.frame)
##  $ timep          : POSIXct[1:168], format: "1962-01-01" "1962-02-01" ...
##  $ milk_per_cow_kg: num [1:168] 265 252 288 295 327 ...
```

```
# create variable year and add it into milk data set
milk$year <- format(milk$timep, format = "%Y")
# create variable month and add it into milk data set
milk$month <- format(milk$timep, format = "%m")
ggplot(data = milk, aes(x = month, y = milk_per_cow_kg))+geom_line(aes(group=year,color=year))
```




```
year<-as.factor(milk$year)
ggplot(data = milk, aes(x = month, y = milk_per_cow_kg))+geom_line(aes(group=year,color=year))+scale_x_
```


milk_per_cow_kg
400
350
300
250
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
month
year
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975