BMI 881 Homework 1

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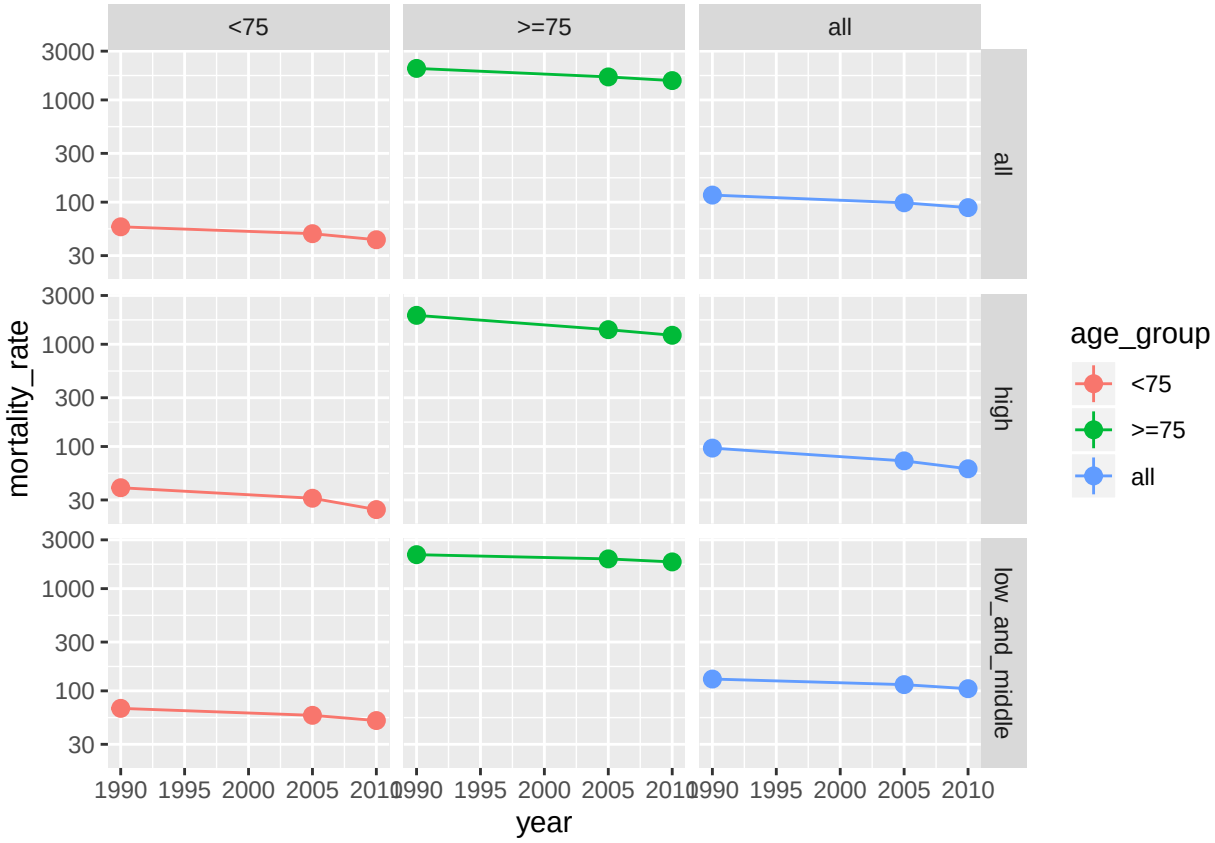
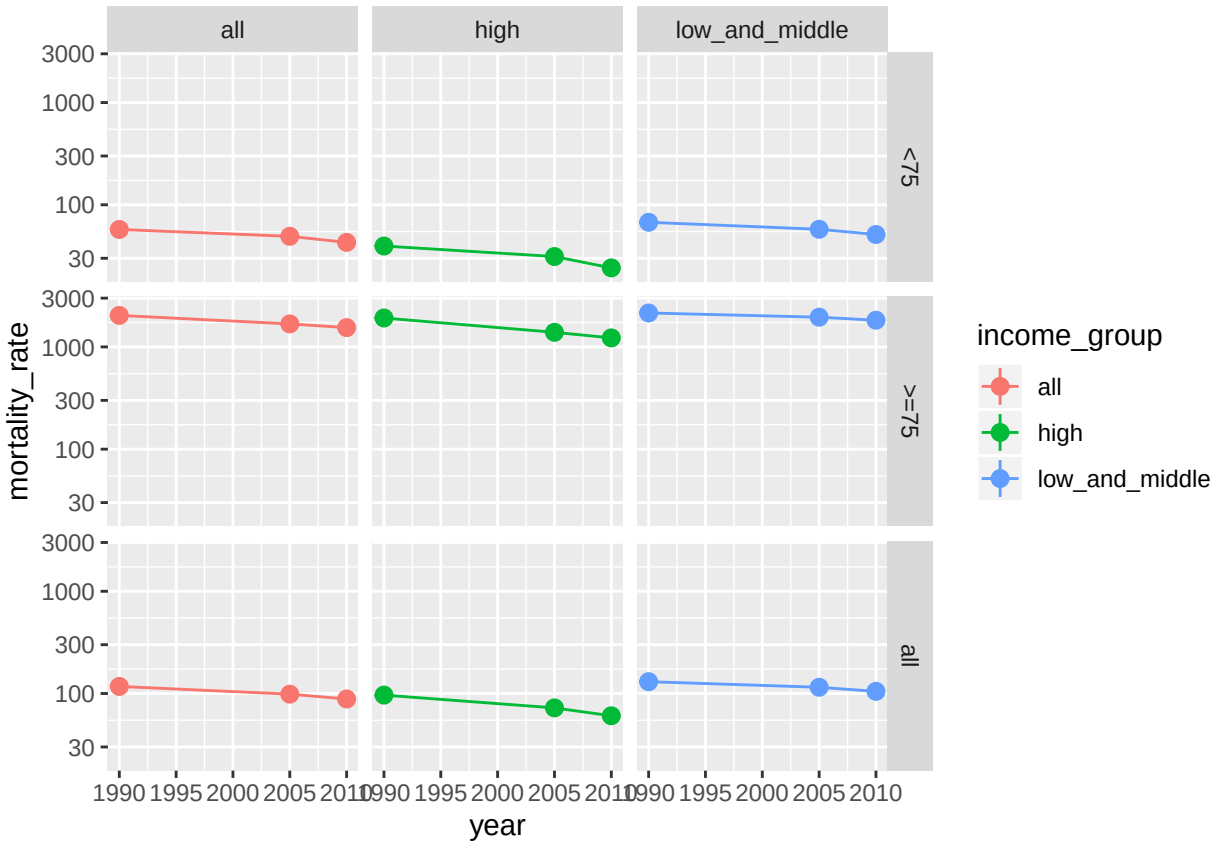
This is the link to the homework.





Code

```
knitr::opts_chunk$set(
  echo = FALSE,
  fig.align = "center"
)

library(ggplot2)
# read the data
stroke <- read.csv("https://kbroman.org/BMI881/assets/feigin2014_table1_mortality.csv")
# factorize the categories
stroke[c("age_group", "income_group")] <- lapply(stroke[c("age_group", "income_group")] , factor)

ggplot(data = stroke, mapping = aes(x = year, y = mortality_rate, color = age_group)) +
  facet_grid(income_group ~ age_group) +
  scale_y_log10() +
  geom_pointrange(aes(ymin = interval_low, ymax = interval_high)) +
  geom_line()

ggplot(data = stroke, mapping = aes(x = year, y = mortality_rate, color = income_group)) +
  facet_grid(age_group ~ income_group) +
  scale_y_log10() +
  geom_pointrange(aes(ymin = interval_low, ymax = interval_high)) +
  geom_line()
```

```
# this R markdown chunk generates a code appendix
```