HW 5, STAT 450

Due: Wednesday, December 1

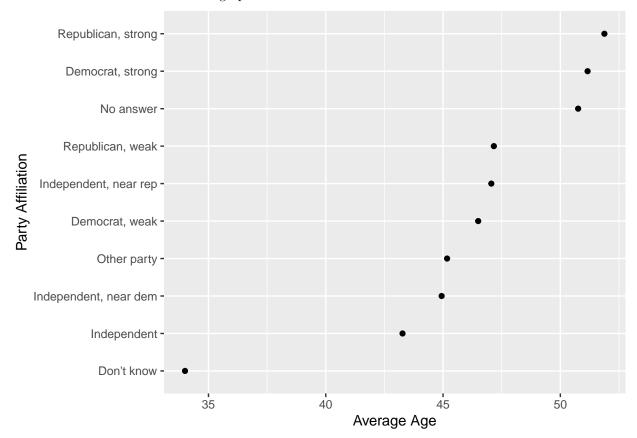
Reading: Chapter 15 from R for Data Science

library(tidyverse)

Exercise 1. Run the following code to update the factor partyid with better names for the levels:

```
gss_cat2 <- gss_cat %>%
  mutate(partyid = fct_recode(partyid,
    "Republican, strong" = "Strong republican",
    "Republican, weak" = "Not str republican",
    "Independent, near rep" = "Ind,near rep",
    "Independent, near dem" = "Ind,near dem",
    "Democrat, weak" = "Not str democrat",
    "Democrat, strong" = "Strong democrat"
))
```

Next use group_by() and summarise() to compute the average age for each category of partyid. Then recreate the R code that makes the graph below.



Exercise 2. Recreate the R code that makes the graph below. When creating this graph use the data frame gss_cat2 which has the updated names for the levels of partyid.

