

Wk 1 - FiveThirtyEight Masculinity Survey

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The SurveyMonkey-FiveThirtyEight Masculinity Survey

Dataset description from <https://github.com/fivethirtyeight/data/tree/master/masculinity-survey>:

“This directory contains data behind the story”What Do Men Think It Means To Be A Man?“ <https://fivethirtyeight.com/features/what-do-men-think-it-means-to-be-a-man/>.

masculinity-survey.csv contains the results of a survey of 1,615 adult men conducted by SurveyMonkey in partnership with FiveThirtyEight and WNYC Studios from May 10-22, 2018. The modeled error estimate for this survey is plus or minus 2.5 percentage points. The percentages have been weighted for age, race, education, and geography using the Census Bureau’s American Community Survey to reflect the demographic composition of the United States age 18 and over. Crosstabs with less than 100 respondents have been left blank because responses would not be statistically significant.

raw-responses.csv contains all 1,615 responses to the survey including the weights for each response. Responses to open-ended questions have been omitted, including those where a respondent explained what they meant by selecting the ‘other’ option in response to a question."

```
raw_responses <- read.csv(url(
  "https://raw.githubusercontent.com/fivethirtyeight/data/master/masculinity-survey/raw-responses.csv"))
```

Create a dictionary of survey questions and question codes

```
responses_sub1 <- as.data.frame(raw_responses[, c("X", "q0001", "q0002",
                                                  "q0005", "q0009", "q0034",
                                                  "q0024", "q0029", "age3",
                                                  "orientation", "weight")])

colnames(responses_sub1) <- c("Response_ID", "Q1", "Q2", "Q5",
                             "Employment_Status", "Income", "Marital_Status",
                             "Education", "Age_Group", "Sexual_Orientation",
                             "Response_Weight")
```

Subset #1 - Responses to Questions 1 and 2 by Age Group

```
Q1Counts <- data.frame(table(responses_sub1$Q1, responses_sub1$Age_Group))

Q1Counts_young <- subset(Q1Counts, Var2 == "18 - 34")
```

```

Q1Counts_mid <- subset(Q1Counts, Var2 == "35 - 64")
Q1Counts_old <- subset(Q1Counts, Var2 == "65 and up")

Q1Counts <- Q1Counts %>%
  mutate(AnswerTotal1 =
    ifelse(Q1Counts$Var2 == "18 - 34",
      sum(Q1Counts_young$Freq),
      ifelse(Q1Counts$Var2 == "35 - 64",
        sum(Q1Counts_mid$Freq),
        sum(Q1Counts_old$Freq)
      )
    )
  )

Q1Counts <- Q1Counts %>%
  mutate(Proportion = Freq/AnswerTotal1)

Q2Counts <- data.frame(table(responses_sub1$Q2, responses_sub1$Age_Group))

Q2Counts_young <- subset(Q2Counts, Var2 == "18 - 34")
Q2Counts_mid <- subset(Q2Counts, Var2 == "35 - 64")
Q2Counts_old <- subset(Q2Counts, Var2 == "65 and up")

Q2Counts <- Q2Counts %>%
  mutate(AnswerTotal2 =
    ifelse(Q2Counts$Var2 == "18 - 34",
      sum(Q2Counts_young$Freq),
      ifelse(Q2Counts$Var2 == "35 - 64",
        sum(Q2Counts_mid$Freq),
        sum(Q2Counts_old$Freq)
      )
    )
  )

Q2Counts <- Q2Counts %>%
  mutate(Proportion = Freq/AnswerTotal2)

```

How do young men see their own masculinity?

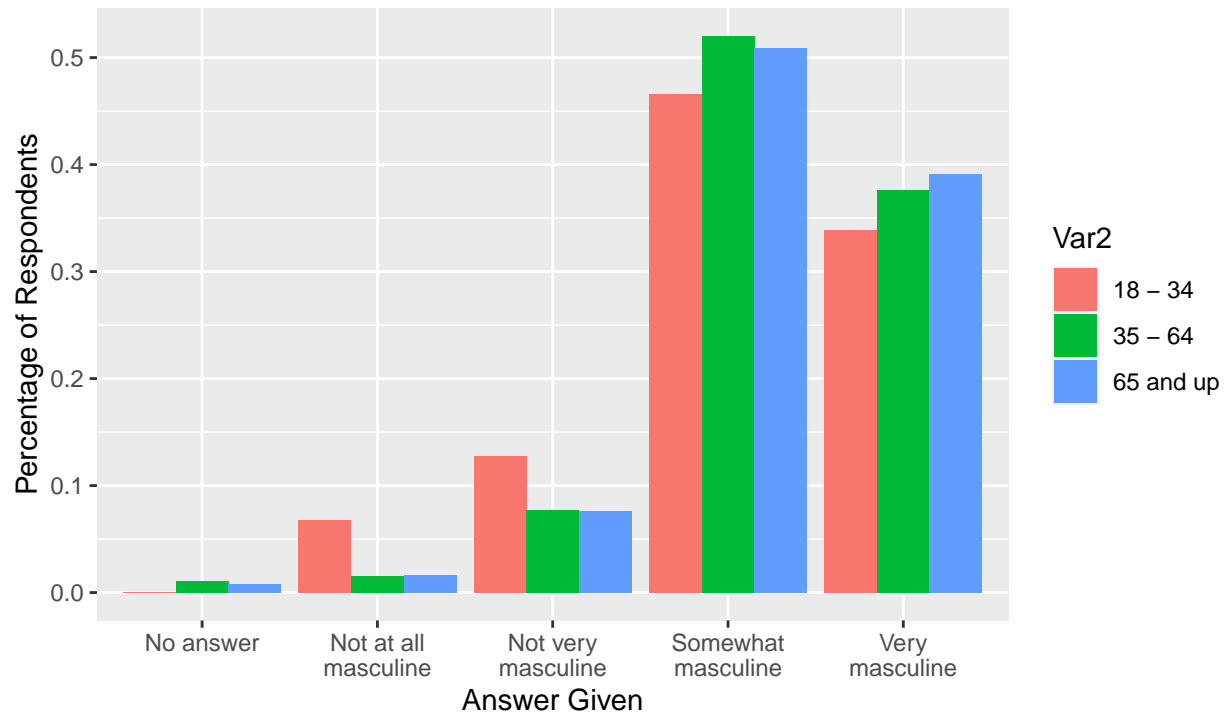
```

ggplot(data = Q1Counts, aes(x = Var1, y = Proportion, group = Var2,
  fill = Var2)) +
  geom_col(position="dodge") +
  scale_x_discrete(labels = function(x) str_wrap(x, width = 10)) +
  labs(title="In general, how masculine or 'manly' do you feel?",
    subtitle="Percentage of Responses by Age Group",
    y="Percentage of Respondents", x="Answer Given",
    caption="from SurveyMonkey/ FiveThirtyEight, 2019")

```

In general, how masculine or 'manly' do you feel?

Percentage of Responses by Age Group

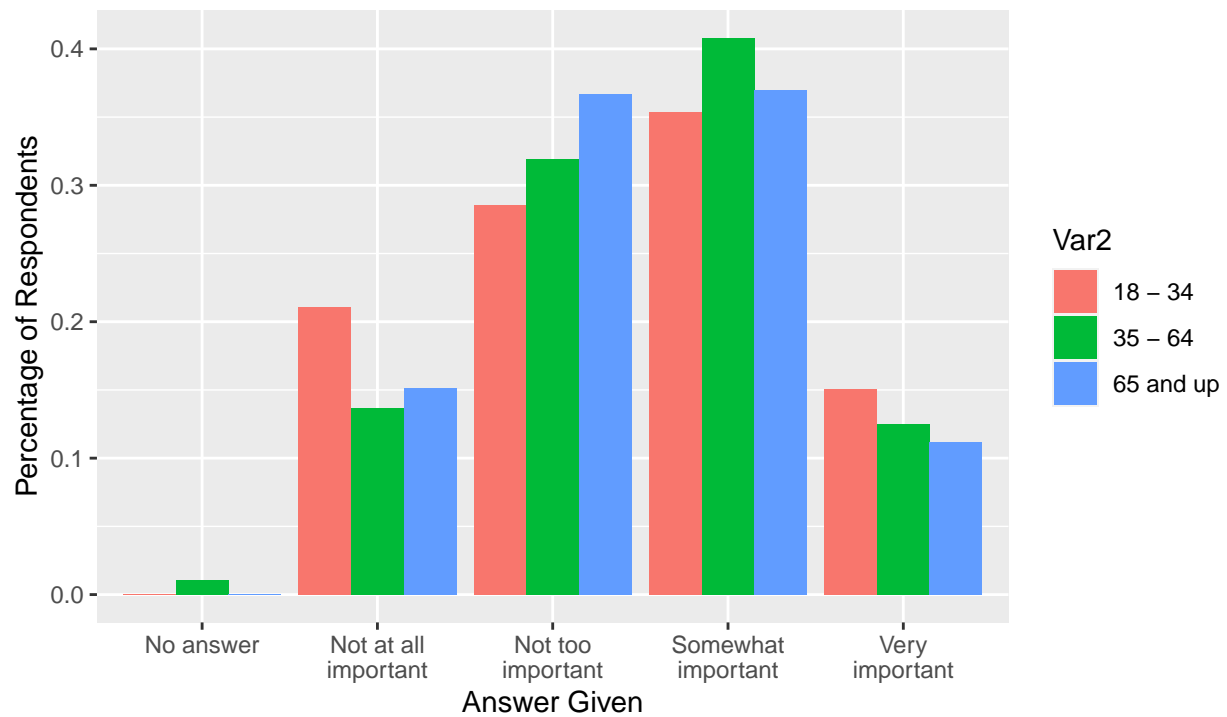


from SurveyMonkey/ FiveThirtyEight, 2019

```
ggplot(data = Q2Counts, aes(x = Var1, y = Proportion, group = Var2,
                             fill = Var2)) +
  geom_col(position="dodge") +
  scale_x_discrete(labels = function(x) str_wrap(x, width = 10)) +
  labs(title="How important is it to you that others see you as masculine?",
       subtitle="Percentage of Responses by Age Group",
       y="Percentage of Respondents", x="Answer Given",
       caption="from SurveyMonkey/ FiveThirtyEight, 2019")
```

How important is it to you that others see you as masculine?

Percentage of Responses by Age Group



from SurveyMonkey/ FiveThirtyEight, 2019

```
## scale_x_discrete object and parameters copied from:  
## https://stackoverflow.com/a/21894897
```