Descriptives

```r
setwd(dirname(rstudioapi::getActiveDocumentContext()$path))
df <- read_dta("dataverse_files/AER merged.dta")
df <- na.omit(df)

treated <- df %>% filter(treatment == 1)
control <- df %>% filter(treatment == 0)

treated_nonzero <- df %>% filter(amount !=0, treatment == 1)
control_nonzero <- df %>% filter(amount !=0, treatment == 0)

# Treatment vs. control ----------------------------------------------------
treatment_txt <- ifelse(df$treatment == 1, "Treatment", "Control")

ggplot(data=df, aes(amount, fill=treatment_txt)) +
  geom_histogram(position="identity", alpha=0.5, binwidth=25) +
  labs(x="Amount given (dollars)",
       y="Frequency",
       title="Amount by treament vs. control") +
  scale_fill_discrete("")
```
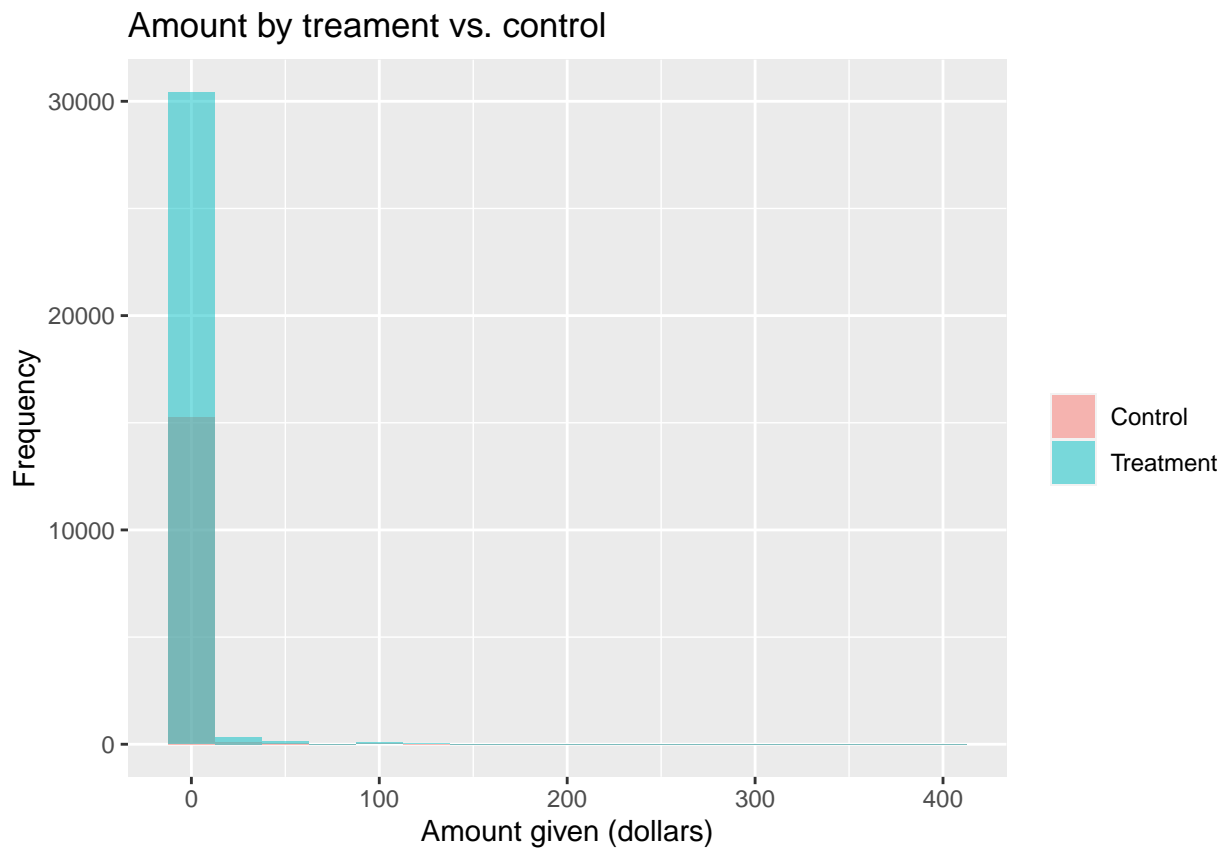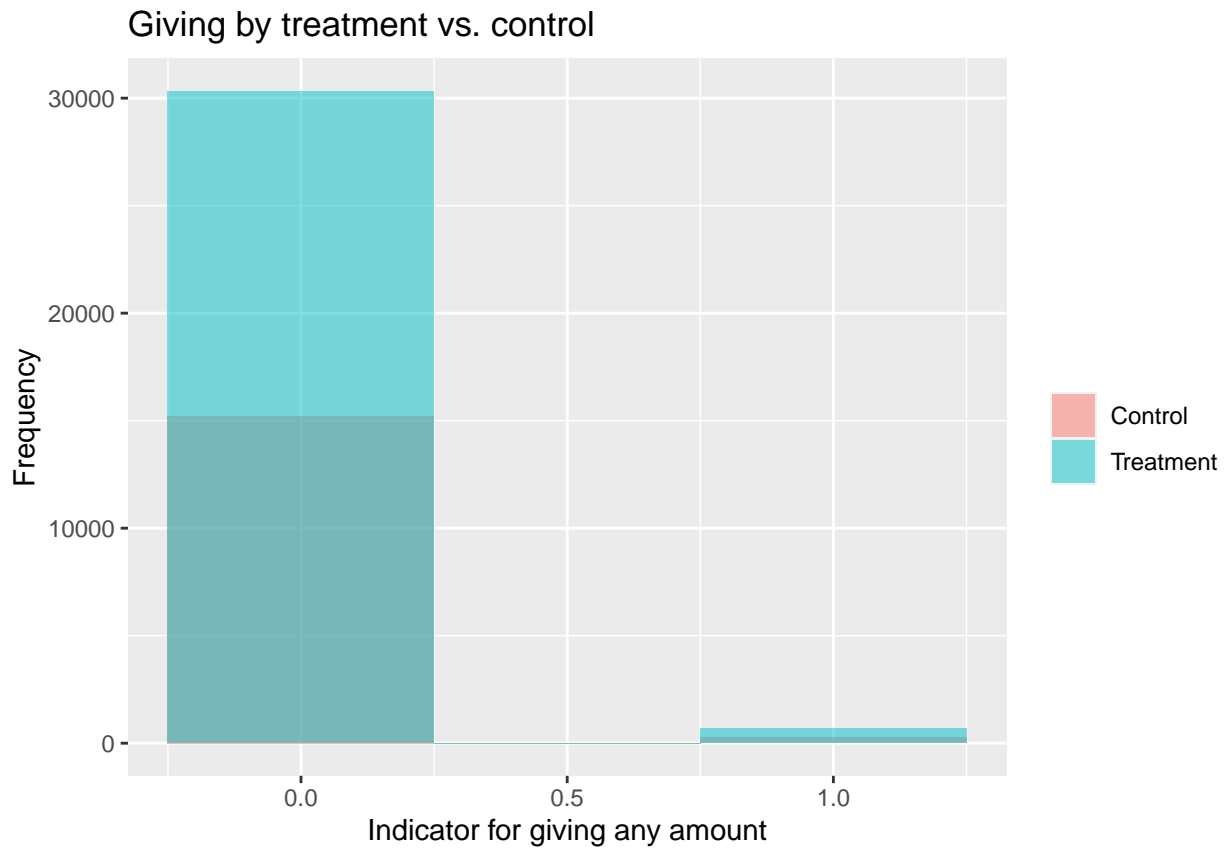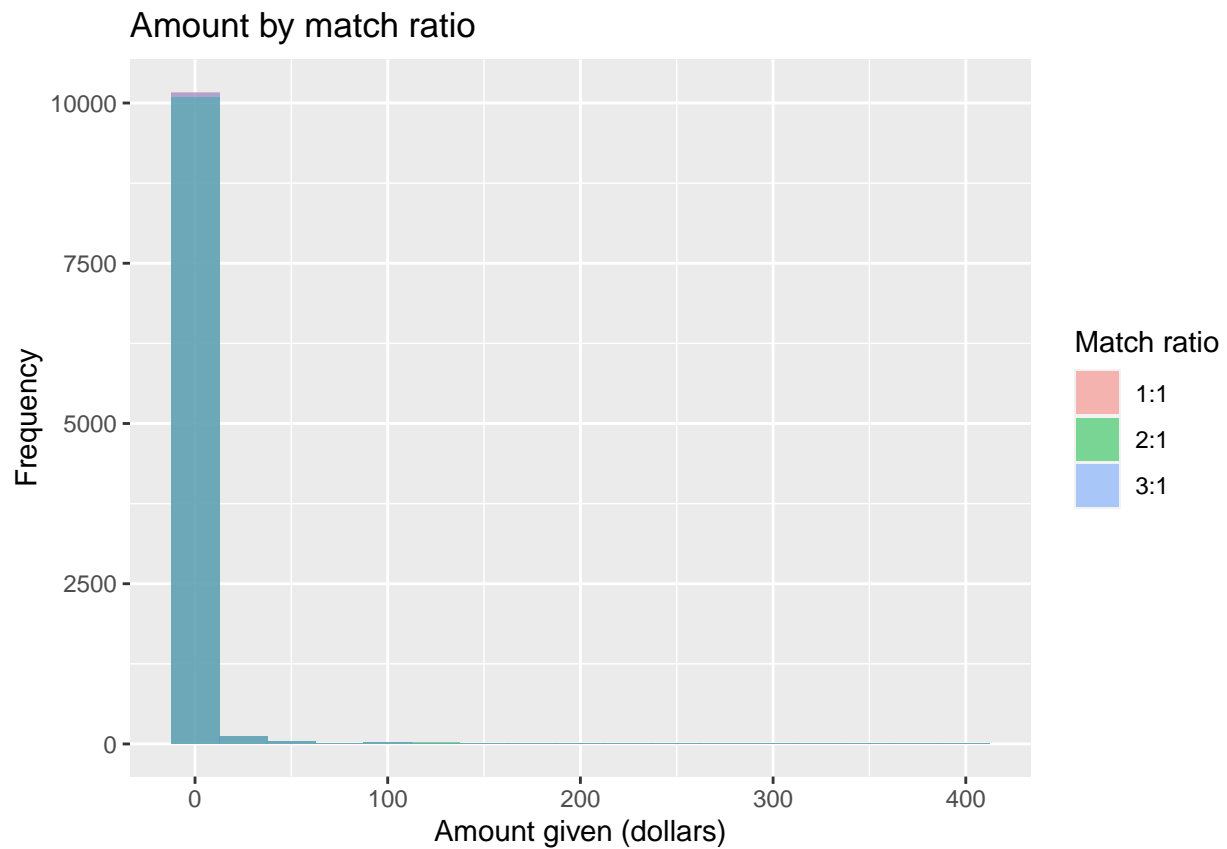
```r
ggplot(data=df, aes(gave, fill=treatment_txt)) +
  geom_histogram(position="identity", alpha=0.5, binwidth=0.5) +
  labs(x="Indicator for giving any amount",
       y="Frequency",
       title="Giving by treatment vs. control") +
  scale_fill_discrete("")
```
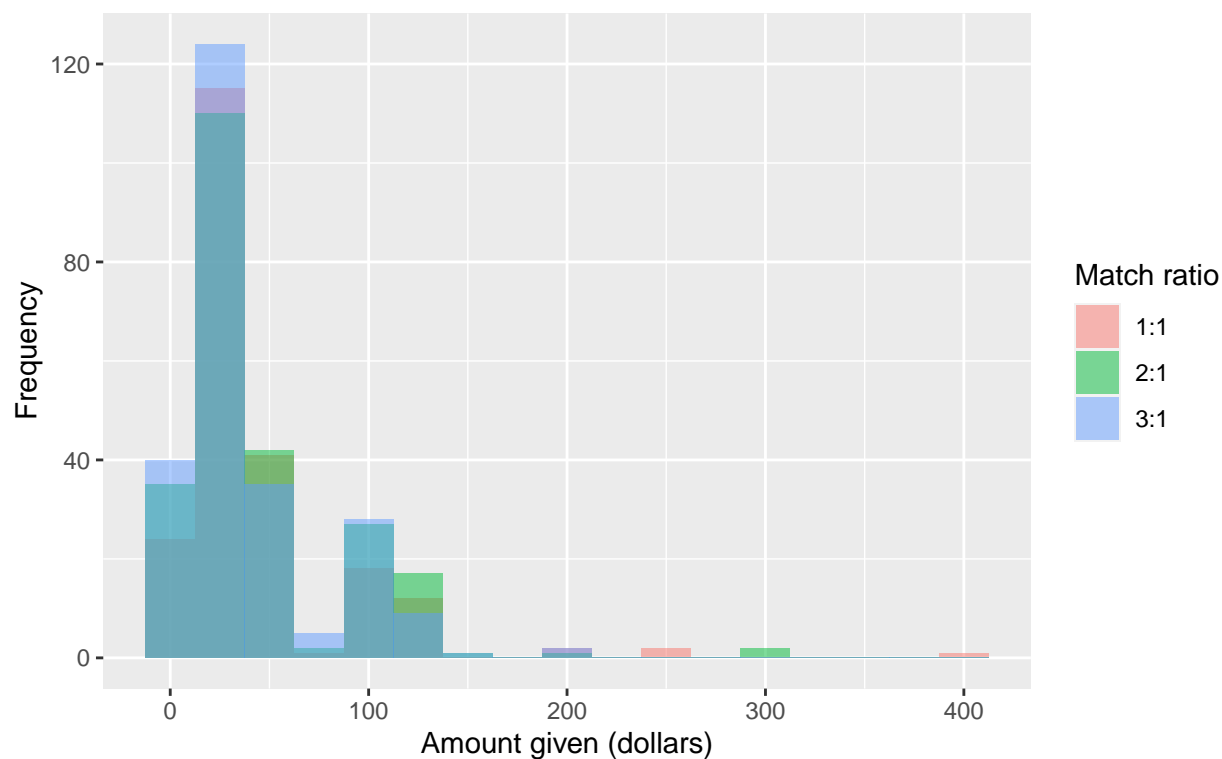


```r
# Ratio -----------------------------------------------------------------------
ratio_txt <- ifelse(treated$ratio == 1, "1:1", ifelse(treated$ratio == 2, "2:1", "3:1"))
ratio_txt_nonzero <- ifelse(treated_nonzero$ratio == 1, "1:1", ifelse(treated_nonzero$ratio == 2, "2:1"

ggplot(data=treated, aes(amount, fill=ratio_txt)) +
  geom_histogram(position="identity", alpha=0.5, binwidth=25) +
  labs(x="Amount given (dollars)",
       y="Frequency",
       title="Amount by match ratio") +
  scale_fill_discrete("Match ratio")
```
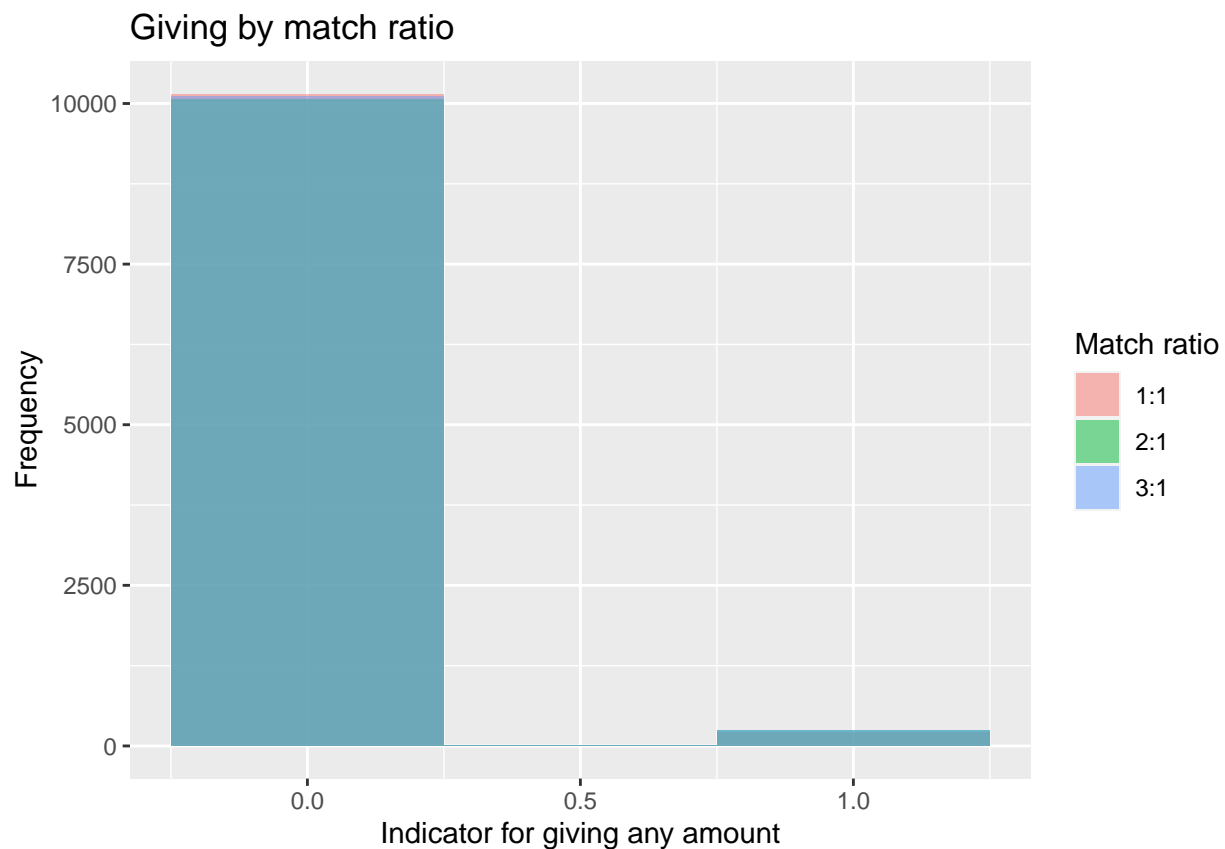
Amount by match ratio

Frequency

10000

7500

5000

2500

0

0   100   200   300   400

Amount given (dollars)

Match ratio

- 1:1
- 2:1
- 3:1

```r
ggplot(data=treated_nonzero, aes(amount, fill=ratio_txt_nonzero)) +
  geom_histogram(position="identity", alpha=0.5, binwidth=25) +
  labs(x="Amount given (dollars)",
       y="Frequency",
       title="Amount by match ratio",
       subtitle="For non-zero amounts given") +
  scale_fill_discrete("Match ratio")
```

Amount by match ratio
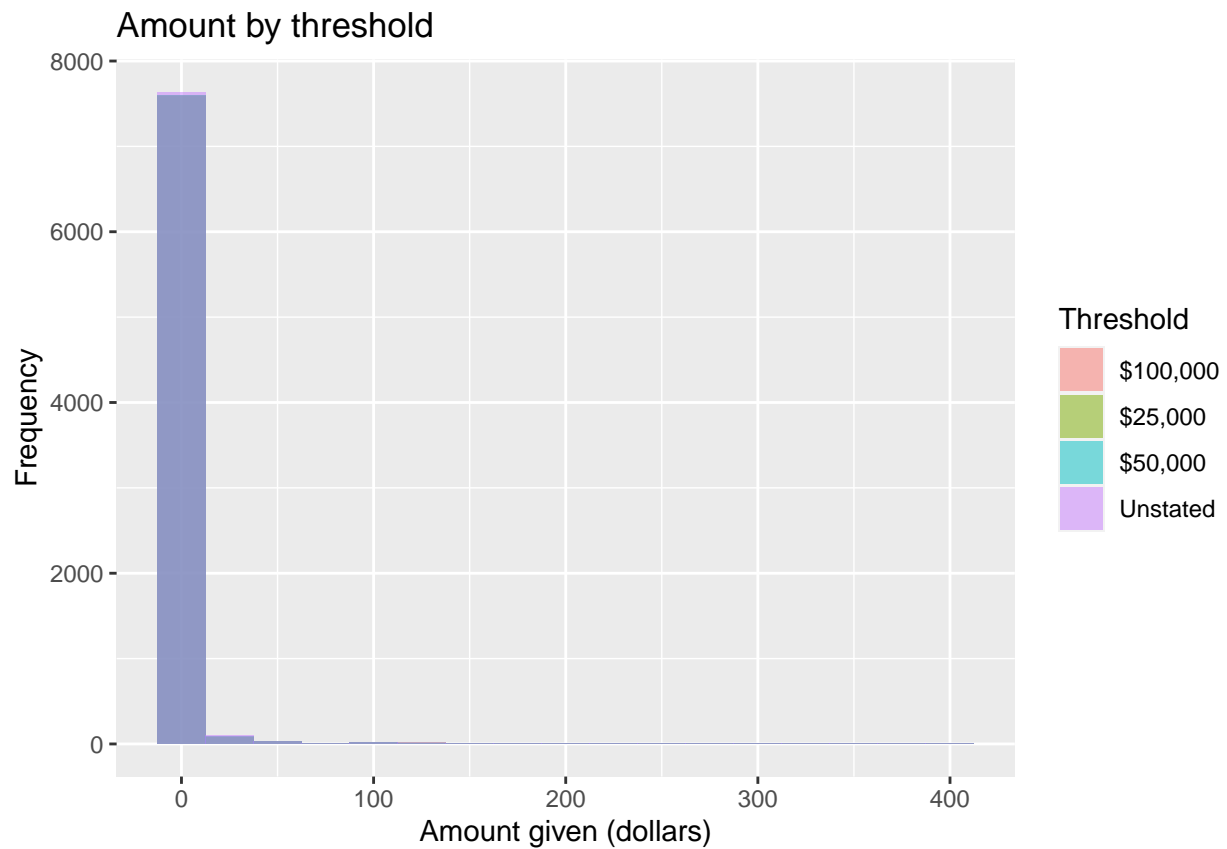
For non−zero amounts given


```
ggplot(data=treated, aes(gave, fill=ratio_txt)) +
  geom_histogram(position="identity", alpha=0.5, binwidth=0.5) +
  labs(x="Indicator for giving any amount",
       y="Frequency",
       title="Giving by match ratio") +
  scale_fill_discrete("Match ratio")
```
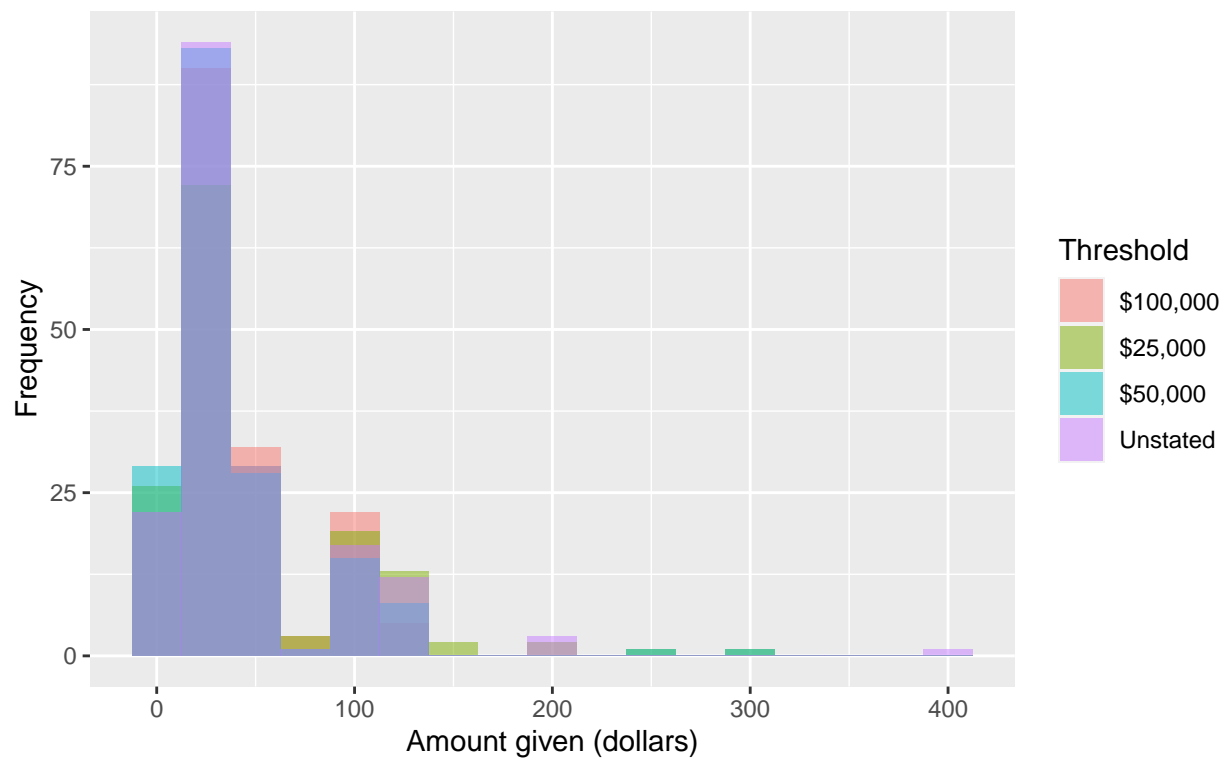
Giving by match ratio


```
# Threshold ---------------------------------------------------------------
thres_txt <- ifelse(treated$size == 1, "$25,000", ifelse(treated$size == 2, "$50,000", ifelse(treated$s
thres_txt_nonzero <- ifelse(treated_nonzero$size == 1, "$25,000", ifelse(treated_nonzero$size == 2, "$50

ggplot(data=treated, aes(amount, fill=thres_txt)) +
  geom_histogram(position="identity", alpha=0.5, binwidth=25) +
  labs(x="Amount given (dollars)",
       y="Frequency",
       title="Amount by threshold") +
  scale_fill_discrete("Threshold")
```
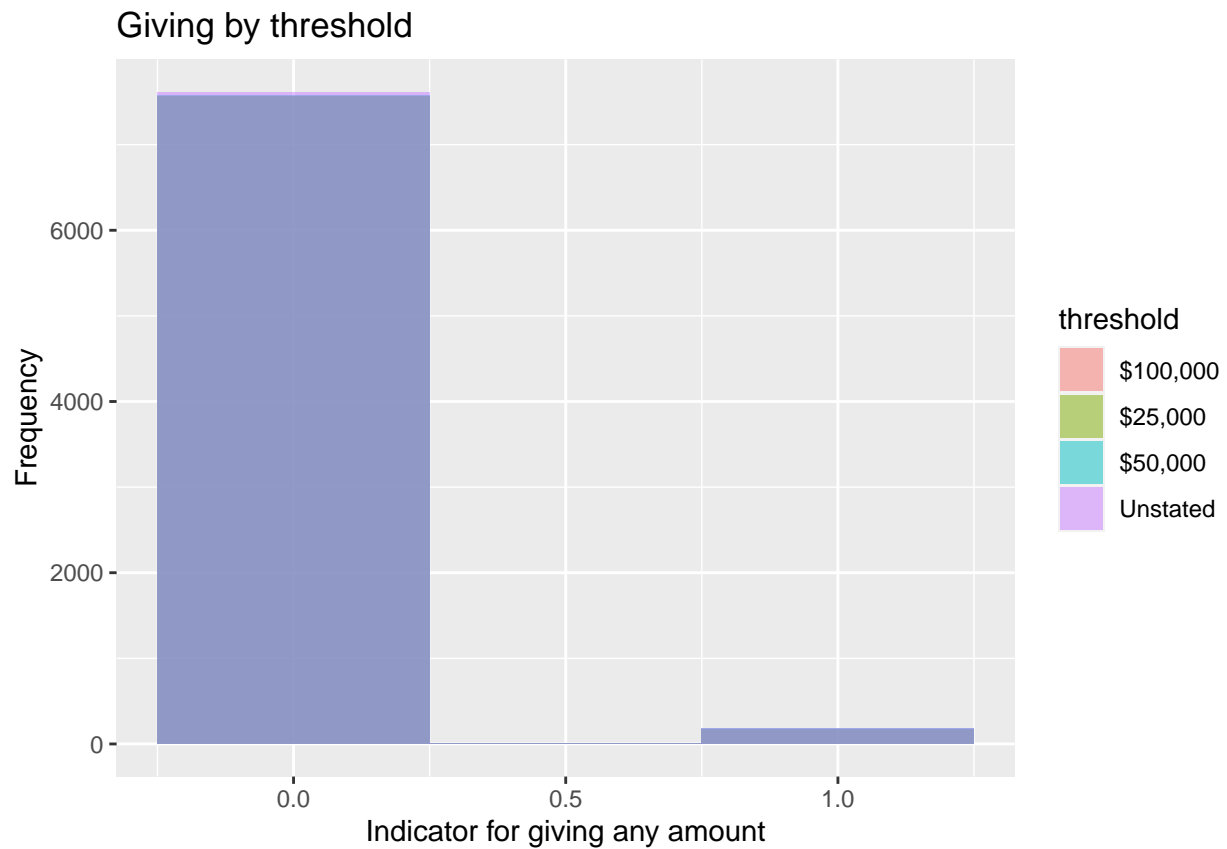
Amount by threshold


```
ggplot(data=treated_nonzero, aes(amount, fill=thres_txt_nonzero)) +
  geom_histogram(position="identity", alpha=0.5, binwidth=25) +
  labs(x="Amount given (dollars)",
       y="Frequency",
       title="Amount by threshold",
       subtitle="For non-zero amounts given") +
  scale_fill_discrete("Threshold")
```

Amount by threshold
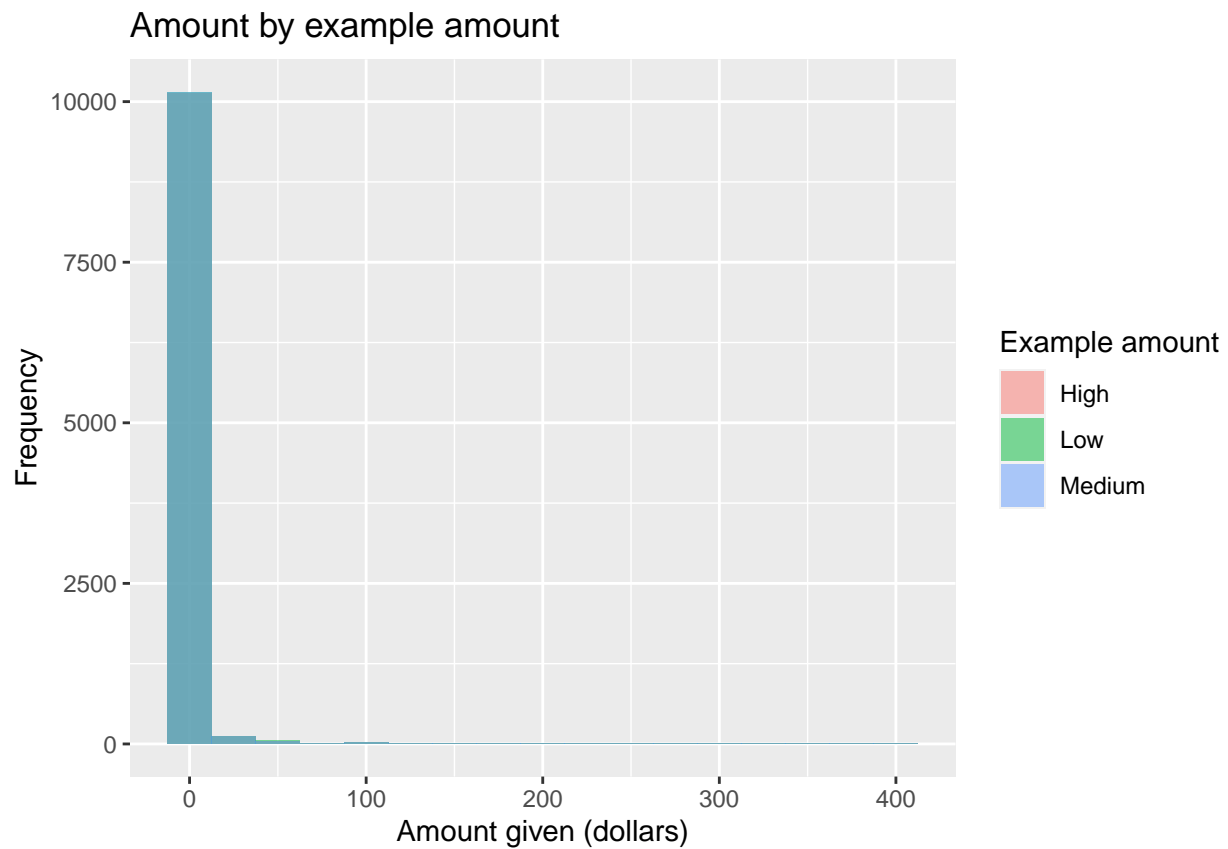### For non−zero amounts given


```
ggplot(data=treated, aes(gave, fill=thres_txt)) +
  geom_histogram(position="identity", alpha=0.5, binwidth=0.5) +
  labs(x="Indicator for giving any amount",
       y="Frequency",
       title="Giving by threshold") +
  scale_fill_discrete("threshold")
```
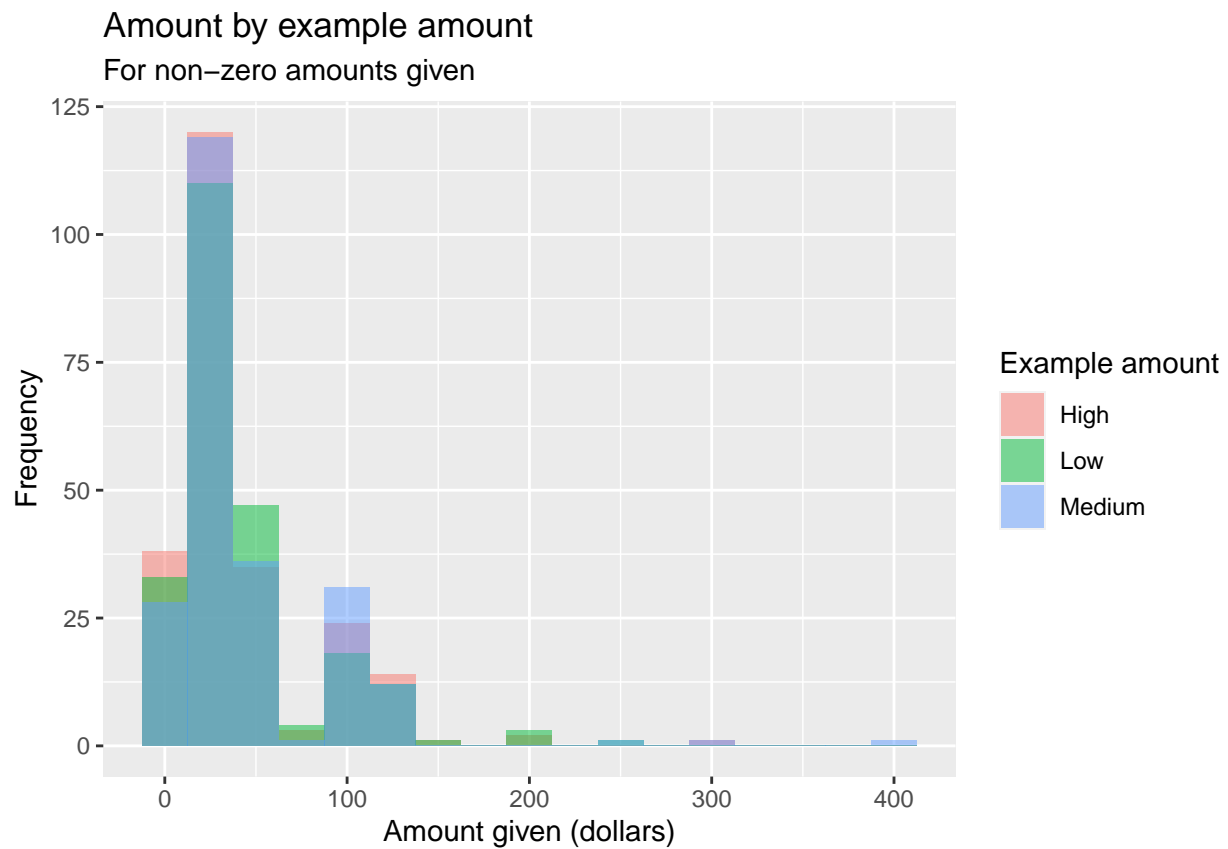
Giving by threshold


```
# Example ----------------------------------------------------------------------
ask_txt <- ifelse(treated$ask == 1, "Low", ifelse(treated$ask == 2, "Medium", "High"))
ask_txt_nonzero <- ifelse(treated_nonzero$ask == 1, "Low", ifelse(treated_nonzero$ask == 2, "Medium", "

ggplot(data=treated, aes(amount, fill=ask_txt)) +
  geom_histogram(position="identity", alpha=0.5, binwidth=25) +
  labs(x="Amount given (dollars)",
       y="Frequency",
       title="Amount by example amount") +
  scale_fill_discrete("Example amount")
```

Amount by example amount


```
ggplot(data=treated_nonzero, aes(amount, fill=ask_txt_nonzero)) +
  geom_histogram(position="identity", alpha=0.5, binwidth=25) +
  labs(x="Amount given (dollars)",
       y="Frequency",
       title="Amount by example amount",
       subtitle="For non-zero amounts given") +
  scale_fill_discrete("Example amount")
```

Amount by example amount
For non−zero amounts given


```r
ggplot(data=treated, aes(gave, fill=ask_txt)) +
  geom_histogram(position="identity", alpha=0.5, binwidth=0.5) +
  labs(x="Indicator for giving any amount",
       y="Frequency",
       title="Giving by example amount") +
  scale_fill_discrete("Example amount")
```

Giving by example amount

Legend — Example amount: High, Low, Medium

X-axis: Indicator for giving any amount
Y-axis: Frequency