proj data

```
####https://www.kaggle.com/datasets/ikynahidwin/depression-student-dataset
### 502 rows
### 11 columns

library(tidyverse)
```

```
-- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
v dplyr     1.1.4     v readr     2.1.5
v forcats   1.0.0     v stringr   1.5.1
v ggplot2   3.5.1     v tibble    3.2.1
v lubridate 1.9.3     v tidyr     1.3.1
v purrr     1.0.2
-- Conflicts ------------------------------------------ tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()    masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to becor
```

```
library(ggplot2)
```

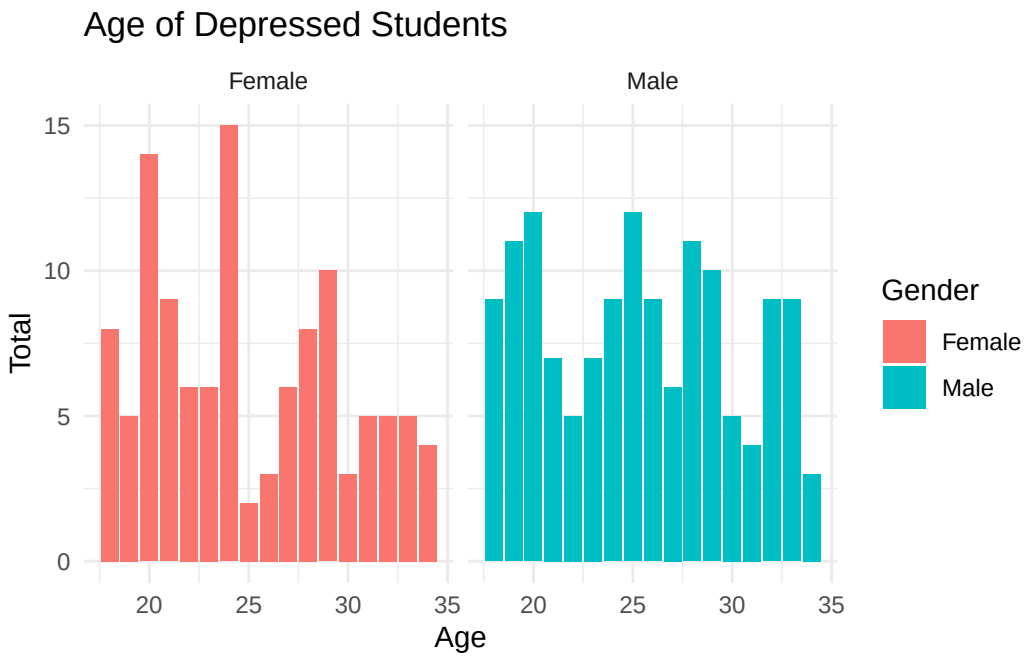
```
depression <- read.csv("Depression Student Dataset.csv")
```

You can add options to executable code like this

```
depression_age <- depression %>% group_by(Gender, Age, Depression) %>% summarise(count=n())
```

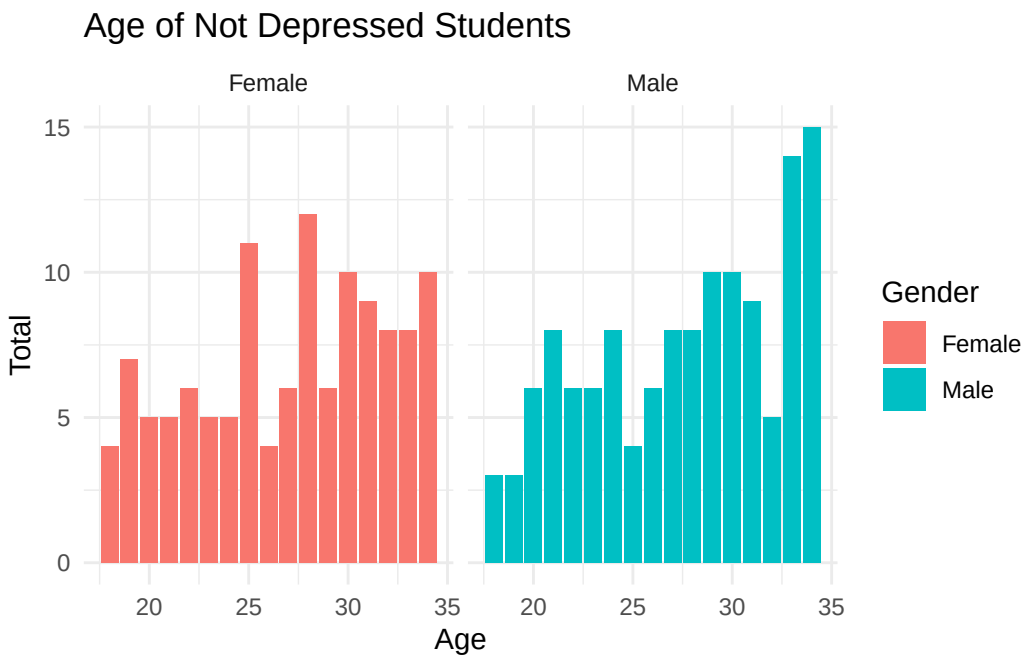
```
`summarise()` has grouped output by 'Gender', 'Age'. You can override using the
`.groups` argument.
```

```r
are_d <- depression_age %>% filter(Depression == "Yes")
are_nd <- depression_age %>% filter(Depression == "No")

ggplot(are_d, aes(x = Age, y = count, fill = Gender)) +
  geom_bar(stat = "identity", position = "dodge") +
  labs(
    title = "Age of Depressed Students",
    x = "Age",
    y = "Total",
    fill = "Gender"
  ) +
  theme_minimal()+
  facet_wrap(~ Gender)
```




```r
ggplot(are_nd, aes(x = Age, y = count, fill = Gender)) +
  geom_bar(stat = "identity", position = "dodge") +
  labs(
    title = "Age of Not Depressed Students",
    x = "Age",
    y = "Total",
    fill = "Gender"
  ) +
```

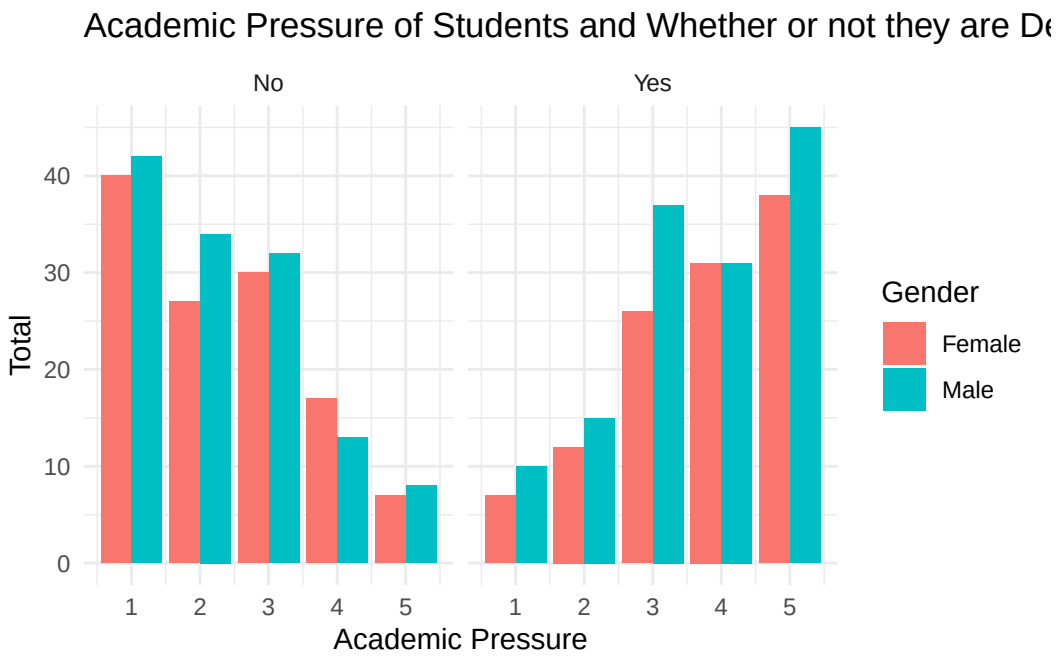
```
  theme_minimal()+
  facet_wrap(~ Gender)
```




```
depression_press <- depression %>% group_by(Gender, Academic.Pressure, Depression) %>% summa
```

```
`summarise()` has grouped output by 'Gender', 'Academic.Pressure'. You can
override using the `.groups` argument.
```

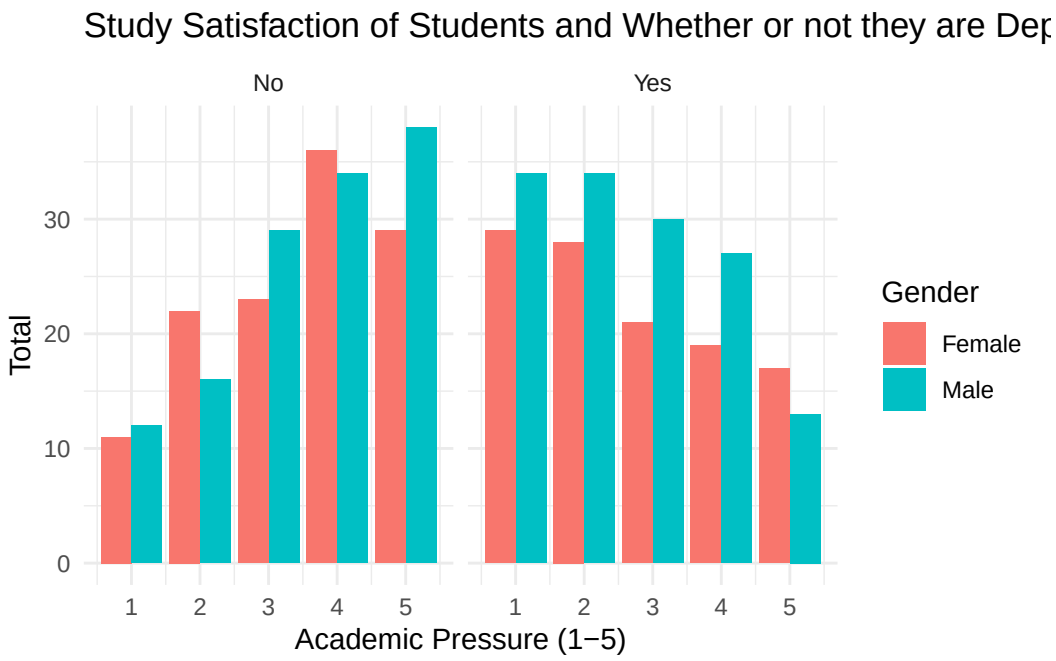
```
ggplot(depression_press, aes(x = Academic.Pressure, y = count, fill = Gender)) +
  geom_bar(stat = "identity", position = "dodge") +
  labs(
    title = "Academic Pressure of Students and Whether or not they are Depressed",
    x = "Academic Pressure",
    y = "Total",
    fill = "Gender"
  ) +
  theme_minimal()+
  facet_wrap(~ Depression)
```




```
depression_study <- depression %>% group_by(Gender, Study.Satisfaction, Depression) %>% summa
```

```
`summarise()` has grouped output by 'Gender', 'Study.Satisfaction'. You can
override using the `.groups` argument.
```

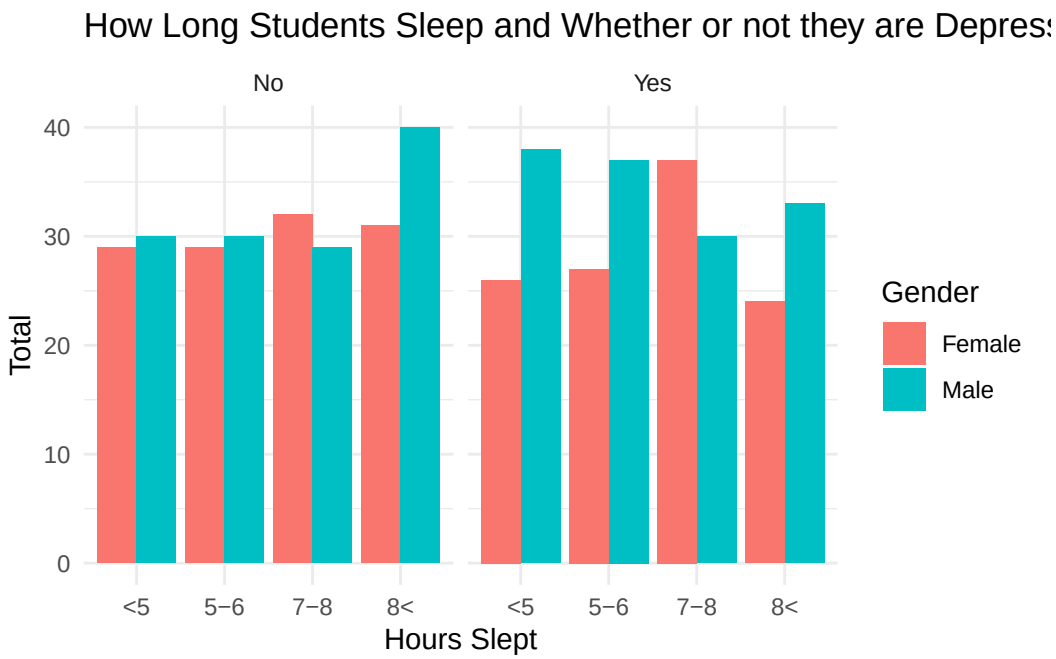
```
ggplot(depression_study, aes(x = Study.Satisfaction, y = count, fill = Gender)) +
  geom_bar(stat = "identity", position = "dodge") +
  labs(
    title = "Study Satisfaction of Students and Whether or not they are Depressed",
    x = "Academic Pressure (1-5)",
    y = "Total",
    fill = "Gender"
  ) +
  theme_minimal()+
  facet_wrap(~ Depression)
```




```
depression_sleep <- depression %>% group_by(Gender, Sleep.Duration, Depression) %>% summarise
```

```
`summarise()` has grouped output by 'Gender', 'Sleep.Duration'. You can
override using the `.groups` argument.
```

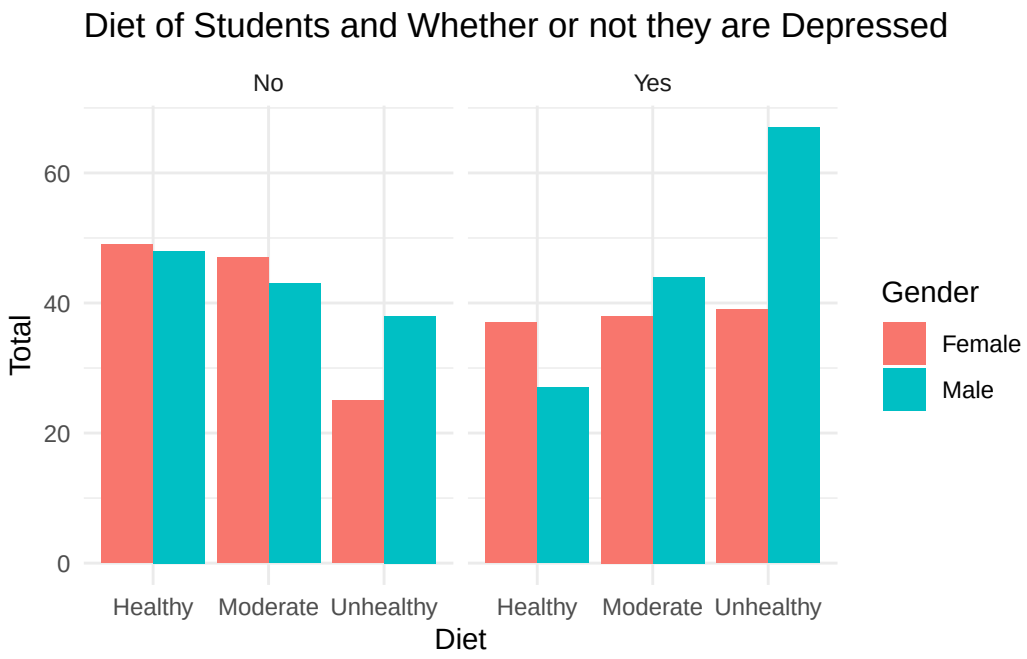
```
#shortens categorical data so it's better read on the graph
depression_sleep <- depression_sleep %>%
  mutate(Sleep.Duration = recode(Sleep.Duration, "5-6 hours" = "5-6", "7-8 hours" = "7-8", "

ggplot(depression_sleep, aes(x = Sleep.Duration, y = count, fill = Gender)) +
  geom_bar(stat = "identity", position = "dodge") +
  labs(
    title = "How Long Students Sleep and Whether or not they are Depressed",
    x = "Hours Slept",
    y = "Total",
    fill = "Gender"
  ) +
  theme_minimal()+
  facet_wrap(~ Depression)
```




```
depression_diet <- depression %>% group_by(Gender, Dietary.Habits, Depression) %>% summarise
```

```
`summarise()` has grouped output by 'Gender', 'Dietary.Habits'. You can
override using the `.groups` argument.
```

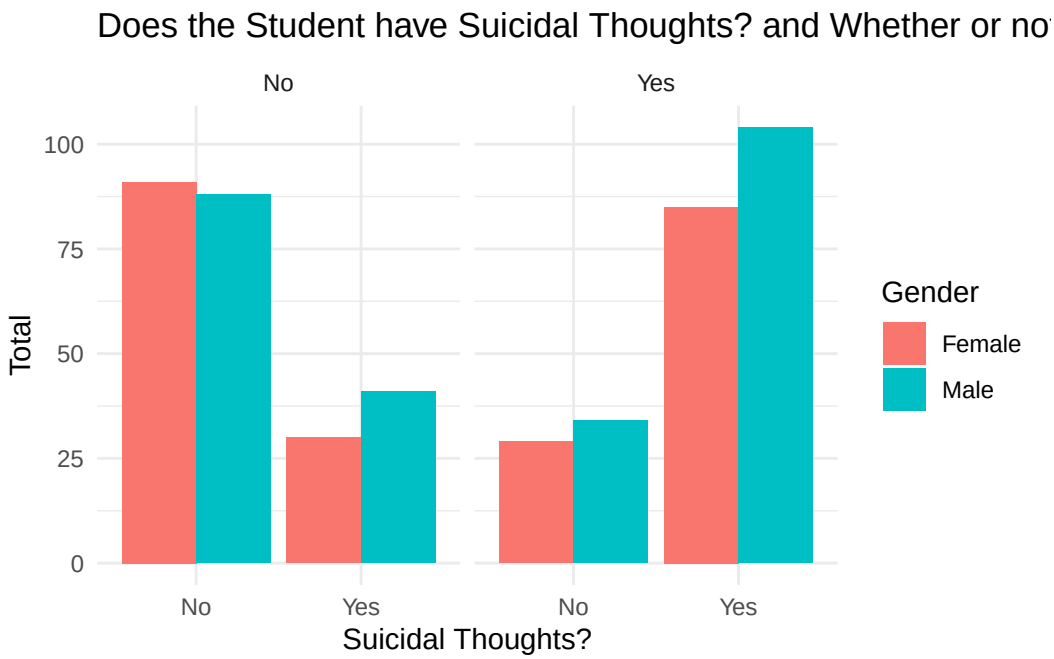
```
ggplot(depression_diet, aes(x = Dietary.Habits, y = count, fill = Gender)) +
  geom_bar(stat = "identity", position = "dodge") +
  labs(
    title = "Diet of Students and Whether or not they are Depressed",
    x = "Diet",
    y = "Total",
    fill = "Gender"
  ) +
  theme_minimal()+
  facet_wrap(~ Depression)
```




```
depression_suicidal <- depression %>% group_by(Gender, Have.you.ever.had.suicidal.thoughts..
```

```
`summarise()` has grouped output by 'Gender',
'Have.you.ever.had.suicidal.thoughts..'. You can override using the `.groups`
argument.
```

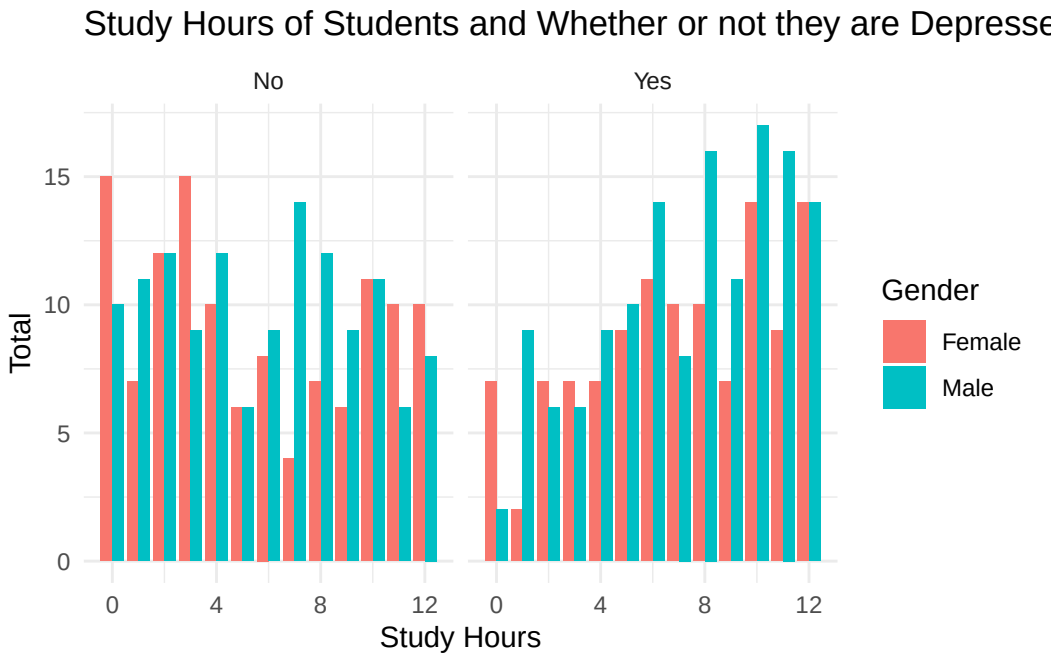
```
ggplot(depression_suicidal, aes(x = Have.you.ever.had.suicidal.thoughts.., y = count, fill =
  geom_bar(stat = "identity", position = "dodge") +
  labs(
    title = "Does the Student have Suicidal Thoughts? and Whether or not they are Depressed.'
    x = "Suicidal Thoughts?",
    y = "Total",
    fill = "Gender"
  ) +
  theme_minimal()+
  facet_wrap(~ Depression)
```




```
depression_study_h <- depression %>% group_by(Gender, Study.Hours, Depression) %>% summarise
```

```
`summarise()` has grouped output by 'Gender', 'Study.Hours'. You can override
using the `.groups` argument.
```

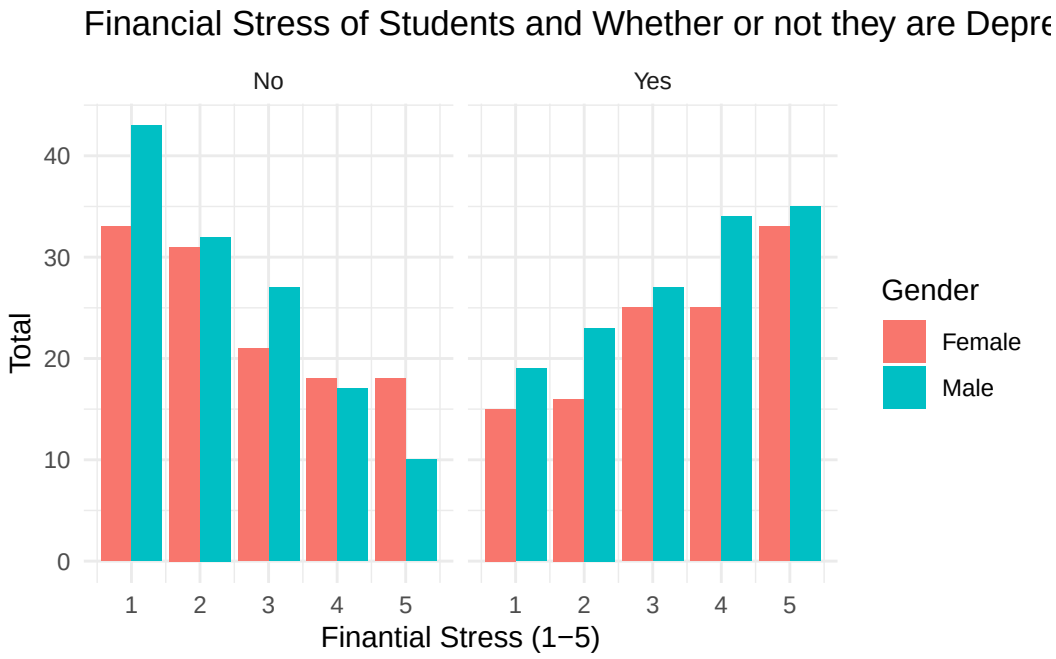
```
ggplot(depression_study_h, aes(x = Study.Hours, y = count, fill = Gender)) +
  geom_bar(stat = "identity", position = "dodge") +
  labs(
    title = "Study Hours of Students and Whether or not they are Depressed",
    x = "Study Hours",
    y = "Total",
    fill = "Gender"
  ) +
  theme_minimal()+
  facet_wrap(~ Depression)
```




```
depression_finance <- depression %>% group_by(Gender, Financial.Stress, Depression) %>% summa
```

```
`summarise()` has grouped output by 'Gender', 'Financial.Stress'. You can
override using the `.groups` argument.
```

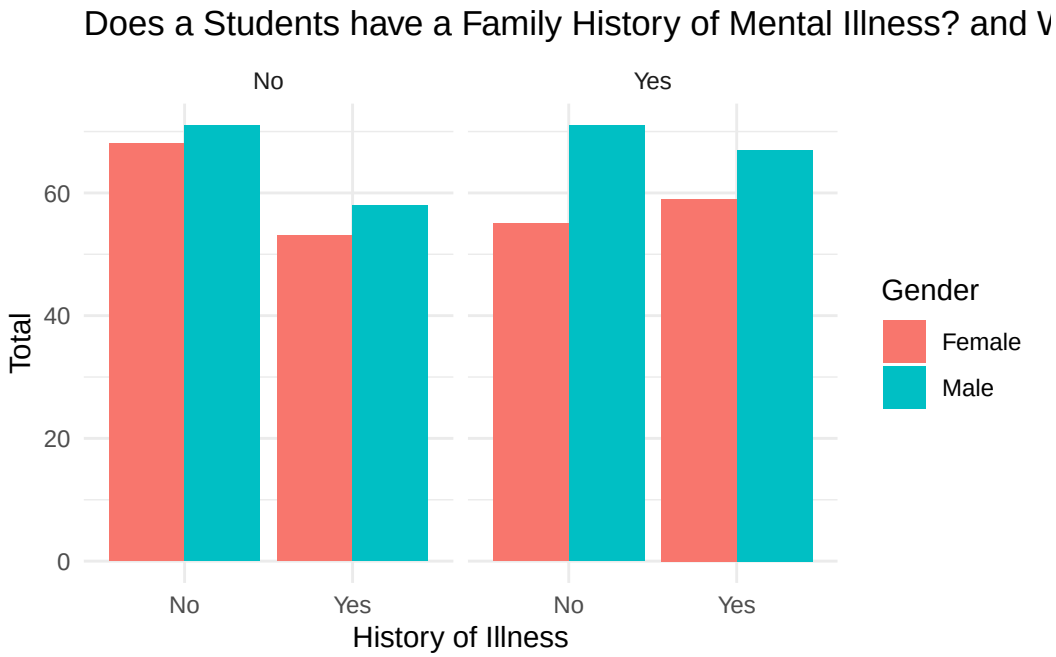
```
ggplot(depression_finance, aes(x = Financial.Stress, y = count, fill = Gender)) +
  geom_bar(stat = "identity", position = "dodge") +
  labs(
    title = "Financial Stress of Students and Whether or not they are Depressed",
    x = "Finantial Stress (1-5)",
    y = "Total",
    fill = "Gender"
  ) +
  theme_minimal()+
  facet_wrap(~ Depression)
```




```
depression_fam <- depression %>% group_by(Gender, Family.History.of.Mental.Illness, Depressio
```

```
`summarise()` has grouped output by 'Gender',
'Family.History.of.Mental.Illness'. You can override using the `.groups`
argument.
```

```
ggplot(depression_fam, aes(x = Family.History.of.Mental.Illness, y = count, fill = Gender)) +
  geom_bar(stat = "identity", position = "dodge") +
  labs(
    title = "Does a Students have a Family History of Mental Illness? and Whether or not they
    x = "History of Illness",
    y = "Total",
    fill = "Gender"
  ) +
  theme_minimal()+
  facet_wrap(~ Depression)
```




```
depression_is_depressed <- depression %>% group_by(Gender, Depression) %>% summarise(count =
```

```
`summarise()` has grouped output by 'Gender'. You can override using the
`.groups` argument.
```

```
depression_is_depressed
```

```
# A tibble: 4 x 3
# Groups:   Gender [2]
  Gender Depression count
  <chr>  <chr>      <int>
1 Female No           121
2 Female Yes          114
3 Male   No           129
4 Male   Yes          138
```

```
ggplot(depression_is_depressed, aes(x = Depression, y = count, fill = Gender)) +
  geom_bar(stat = "Identity", position = "dodge") + labs(title = "Student Gender by Whether
       x = "Are you Depressed?",
       y = "Count") +
  theme_minimal()
```

The `echo: false` option disables the printing of code (only output is displayed).