Satisfaction In Using Meta Social Media Platform

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install.packages("readr") install.packages("dplyr") install.packages("ggplot2")

```r
library(readr)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```r
survey_data <- read.csv("100 Responses.csv")

# View the structure of the data frame
str(survey_data)
```

```
## 'data.frame':    101 obs. of  45 variables:
##  $ Timestamp
##  $ Email.Address
##  $ Name..Optional.
##  $ Age
##  $ Gender
##  $ Address
##  $ Contact.Number
##  $ What.is.your.current.occupation.or.industry.
##  $ if.you.are.a.student..please.indicate.your.school..Leave.blank.if.you.are.not.a.student.
##  $ If.you.are.a.student..please.indicate.your.course.grade.and.section..Leave.blank.if.you.are.not.a
##  $ What.Meta.Social.Media.platforms.do.you.commonly.use.
##  $ How.much.time.do.you.spend.on.social.media.
##  $ How.often.do.you.use.Social.Media.Platforms.
##  $ Please.indicate.the.reasons.for.your.use.of.social.media.by.selecting.all.that.apply.from.the.fol
##  $ Do.you.find.Meta.Social.Media.Platforms..useful..in.your.everyday..life.
##  $ Does.Social.Media.Platforms.enables.you.to.accomplish.tasks.more.quickly.
##  $ Does.Meta.Social.Media.Platforms..increase.your.productivity.
##  $ If.you.use.Meta.Social.Media.Platforms..do.you.believe.it.will.increase.your.chances.of.academic.s
##  $ How.clear.and.understandable.is.your.interaction.with.Meta.Social.Media.Platforms..Rate.on.a.scale
##  $ Do.you.find.it.easy.to.become.skillful.in.using.Meta.Social.Media.Platforms..Share.your.thoughts.c
##  $ Rate.how.easy.you.find.Meta.Social.Media.Platforms.to.use.on.a.scale.from.1.to.5
##  $ Learning.to.operate.Meta.Social.Media.Platforms.is.easy.for.me..Please.rate.on.a.scale.from.1.to.5
##  $ Do.you.think.using.Meta.Social.Media.Platforms.is.a.good.idea.or.a.bad.idea..Choose.one.
##  $ How.does.Meta.Social.Media.Platforms.impact.your.academic.or.work.tasks..Rate.on.a.scale.from.1.to
```

```
##  $ Working.with.Meta.Social.Media.Platforms.is.fun..Please.share.your.opinion.on.a.scale.from.1.to.5
##  $ Do.you.like.to.use.Meta.Social.Media.Platforms.
##  $ Do.people.who.influence.your.behavior.think.that.you.should.use.Meta.Social.Media.Platforms..Choo
##  $ How.important.is.it.to.you.that.people.you.consider.important.think.you.should.use.Meta.Social.Med
##  $ Has.the.senior.management.of.your.academic.or.work.organization.been.helpful.in.the.use.of.Meta.So
##  $ In.general..does.your.academic.or.work.organization.support.the.use.of.Meta.Social.Media.Platforms
##  $ Do.you.have.the.necessary.resources.to.use.Meta.Social.Media.Platforms..Choose.one.
##  $ Rate.your.knowledge.about.using.Meta.Social.Media.Platforms.on.a.scale.from.1.to.5.
##  $ Do.you.find.Meta.Social.Media.Platforms.not.compatible.with.other.systems.you.use.
##  $ Is.there.a.specific.person.or.group.available.for.assistance.if.you.face.difficulties.with.Meta.So
##  $ Could.you.complete.a.task.using.Meta.Social.Media.Platforms.if.no.one.is.around.to.guide.you..Choo
##  $ How.likely.are.you.to.call.someone.for.help.if.you.get.stuck.while.using.Meta.Social.Media.Platfor
##  $ If.you.had.a.lot.of.time.to.complete.a.task.using.Meta.Social.Media.Platforms..how.confident.are.y
##  $ How.often.do.you.use.the.built.in.help.facility.for.assistance.with.Meta.Social.Media.Platforms..C
##  $ Do.you.feel.apprehensive.uneasy.about.using.Meta.Social.Media.Platforms..Choose.one
##  $ How.concerned.are.you.about.losing.information.by.hitting.the.wrong.key.on.Meta.Social.Media.Platf
##  $ How.hesitant.are.you.to.use.Meta.Social.Media.Platforms.for.fear.of.making.mistakes.you.cannot.cor
##  $ ..Does.Meta.Social.Media.Platforms.seem.intimidating.to.you..Choose.one.
##  $ Do.you.intend.to.use.Meta.Social.Media.Platforms.in.the.next..n..months..Choose.one.
##  $ How.likely.are.you.to.use.Meta.Social.Media.Platforms.in.the.next..n..months..Rate.on.a.scale.fro
##  $ Do.you.plan.to.use.Meta.Social.Media.Platforms.in.the.next..n..months..Choose.one.

# Clean each column
Survey <- survey_data

# Replacing of empty Data to NA
Survey[Survey == ""] <- NA
Survey[Survey == "N/A"] <- NA


#View(CleanSurvey)

#Plotting of Age and Gender and
library(readr)
library(dplyr)
library(ggplot2)

#Plotting of Age
AgePlot <- ggplot(Survey, aes(x = Age)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Age", x = "Age", y = "Frequency") +
  theme_minimal()

#Plotting of Gender
GenderPlot <- ggplot(Survey, aes(x = Gender)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Gender", x = "Gender", y = "Frequency") +
  theme_minimal()

AgePlot
```
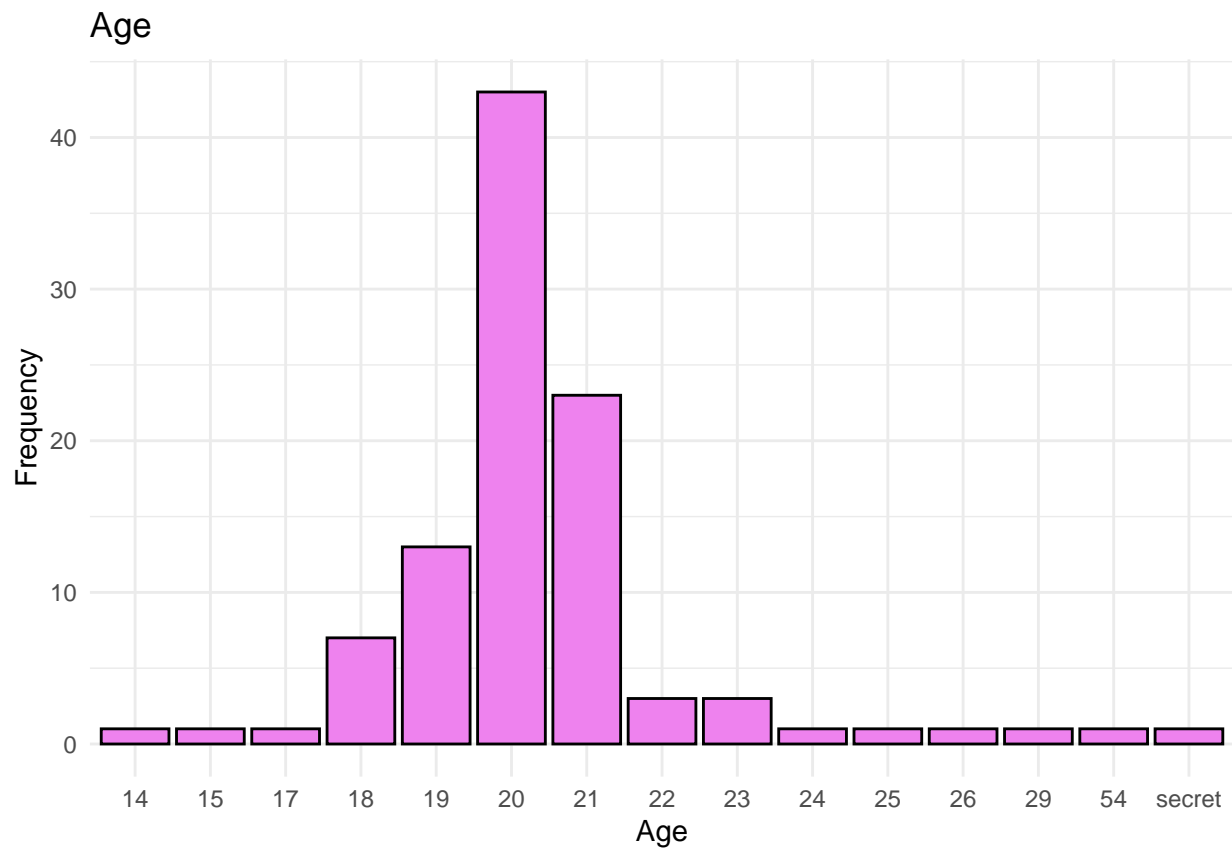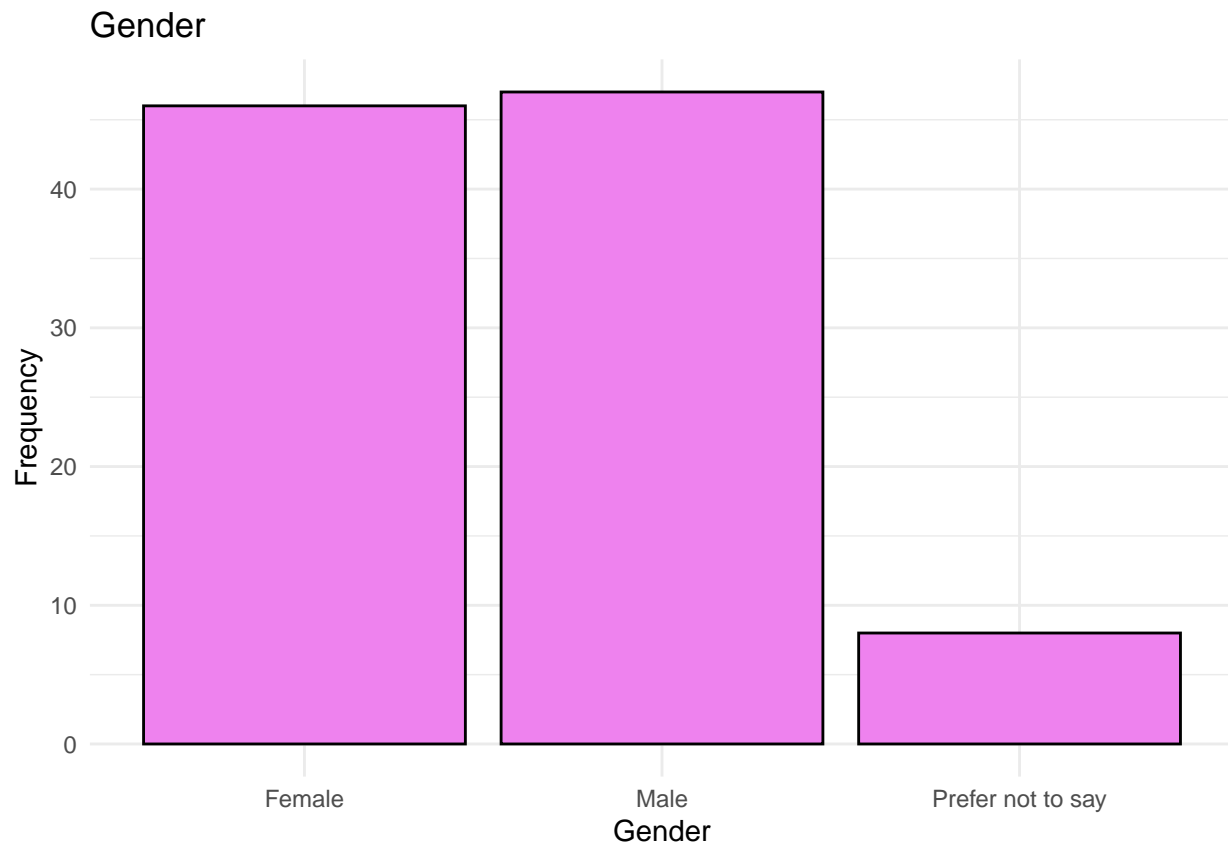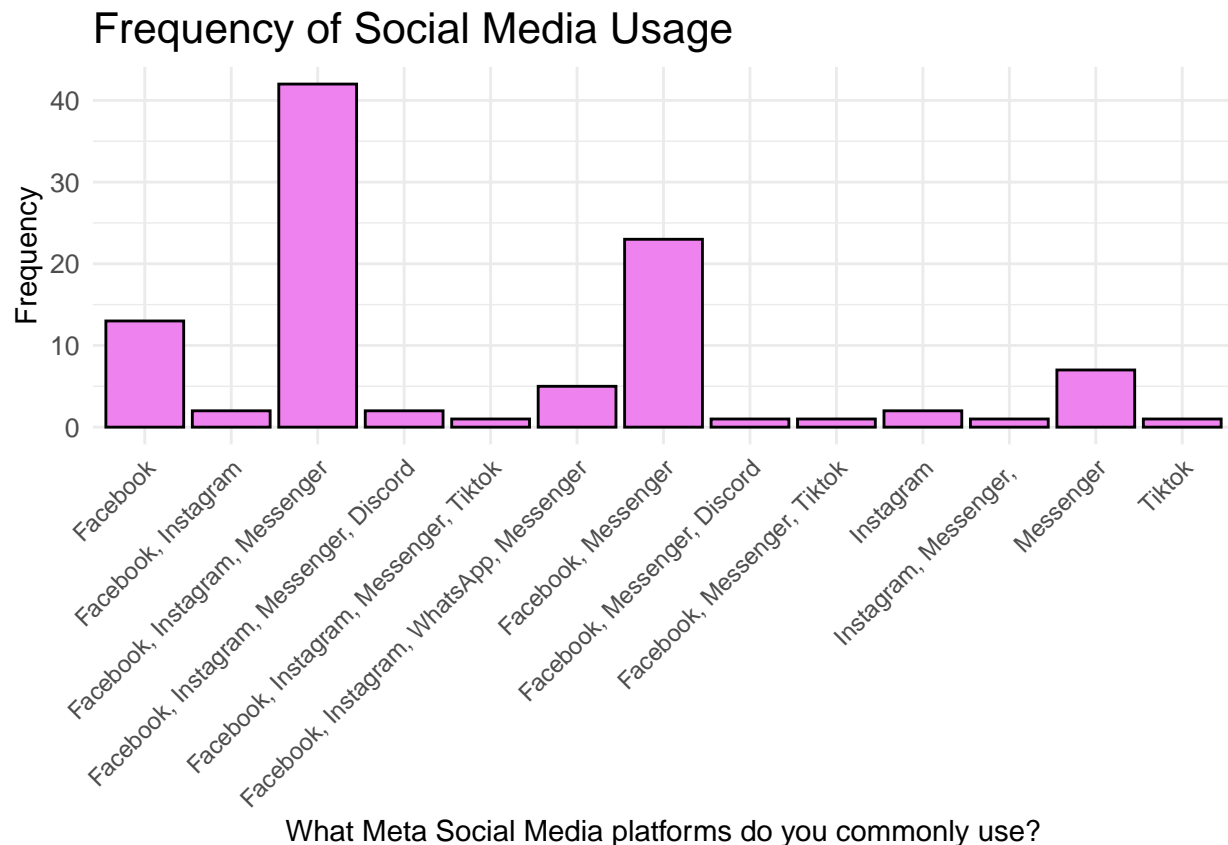
Age

GenderPlot

Gender


```r
library(readr)
library(dplyr)
library(ggplot2)

#Plotting of Questions and being adjusted to be more readable since sometimes the questions are long ch

#if you are a student, please indicate your school.
School <- (Survey$if.you.are.a.student..please.indicate.your.school..Leave.blank.if.you.are.not.a.stude

ggplot(Survey, aes(x = School)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "School",
       x = "if you are a student, please indicate your school.",
       y = "Frequency") +
  theme_minimal() +
  theme(axis.text.x = element_text(angle = 45, hjust = 1),
        axis.text.y = element_text(size = 10),
        plot.title = element_text(size = 16))
```

School

if you are a student, please indicate your school.

```r
#What Meta Social Media platforms do you commonly use?
Platform <- (Survey$What.Meta.Social.Media.platforms.do.you.commonly.use.)

ggplot(Survey, aes(x = Platform)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Frequency of Social Media Usage",
       x = "What Meta Social Media platforms do you commonly use?",
       y = "Frequency") +
  theme_minimal() +
  theme(axis.text.x = element_text(angle = 45, hjust = 1),
        axis.text.y = element_text(size = 10),
        plot.title = element_text(size = 16))
```

Frequency of Social Media Usage

What Meta Social Media platforms do you commonly use?

```r
#How much time do you spend on social media?
TimeOnSocialMedia <- Survey$How.much.time.do.you.spend.on.social.media.

ggplot(Survey, aes(x = TimeOnSocialMedia)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Time spent",
       x = "How Often Do You Use Social Media Platforms?",
       y = "Frequency") +
  theme_minimal() +
  theme(axis.text.x = element_text(angle = 45, hjust = 1),
        axis.text.y = element_text(size = 10),
        plot.title = element_text(size = 16))
```

Time spent
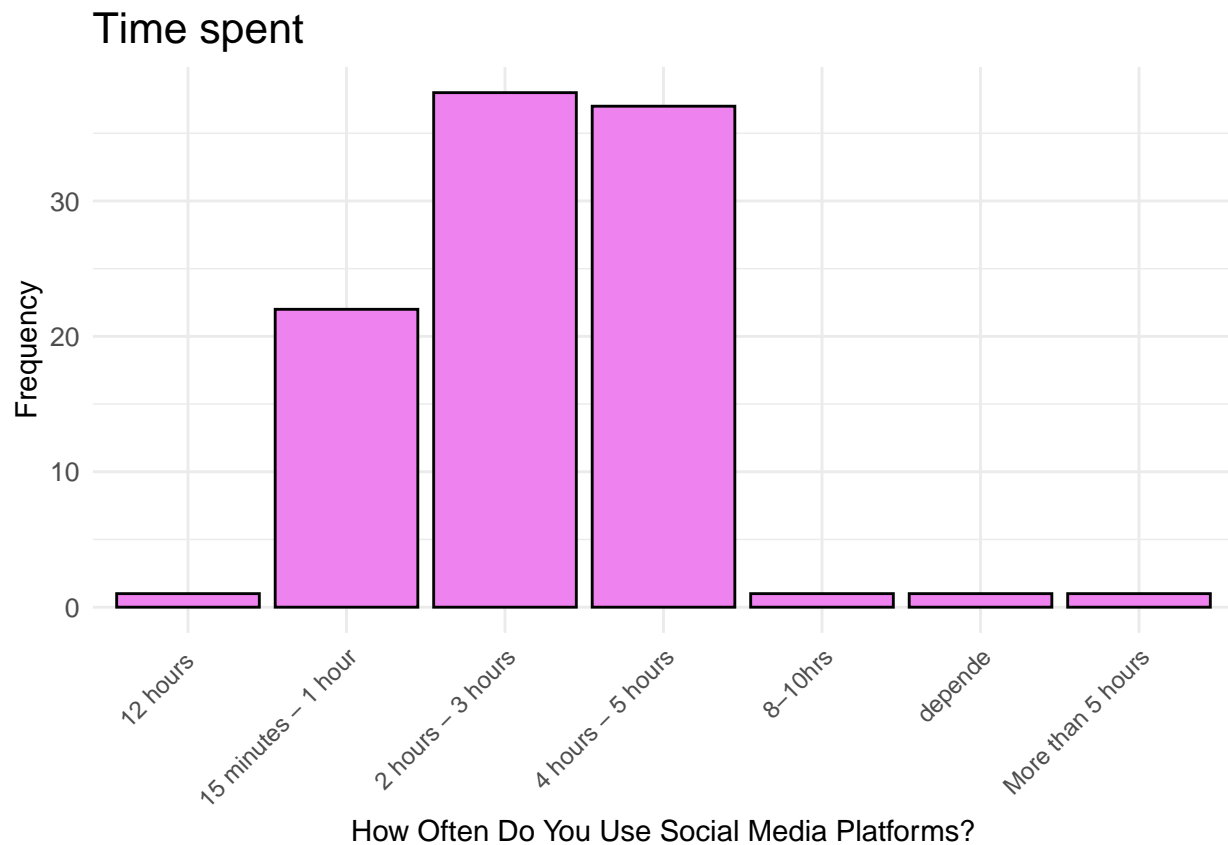

```
#How often do you use Social Media Platforms?
OftenUseOfPlatforms <- Survey$How.often.do.you.use.Social.Media.Platforms.

ggplot(Survey, aes(x = OftenUseOfPlatforms)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Often Use Of Social Media Platform",
       x = "How Often Do You Use Social Media Platforms?",
       y = "Frequency") +
  theme_minimal() +
  theme(axis.text.x = element_text(angle = 45, hjust = 1),
        axis.text.y = element_text(size = 10),
        plot.title = element_text(size = 16))
```

Often Use Of Social Media Platform
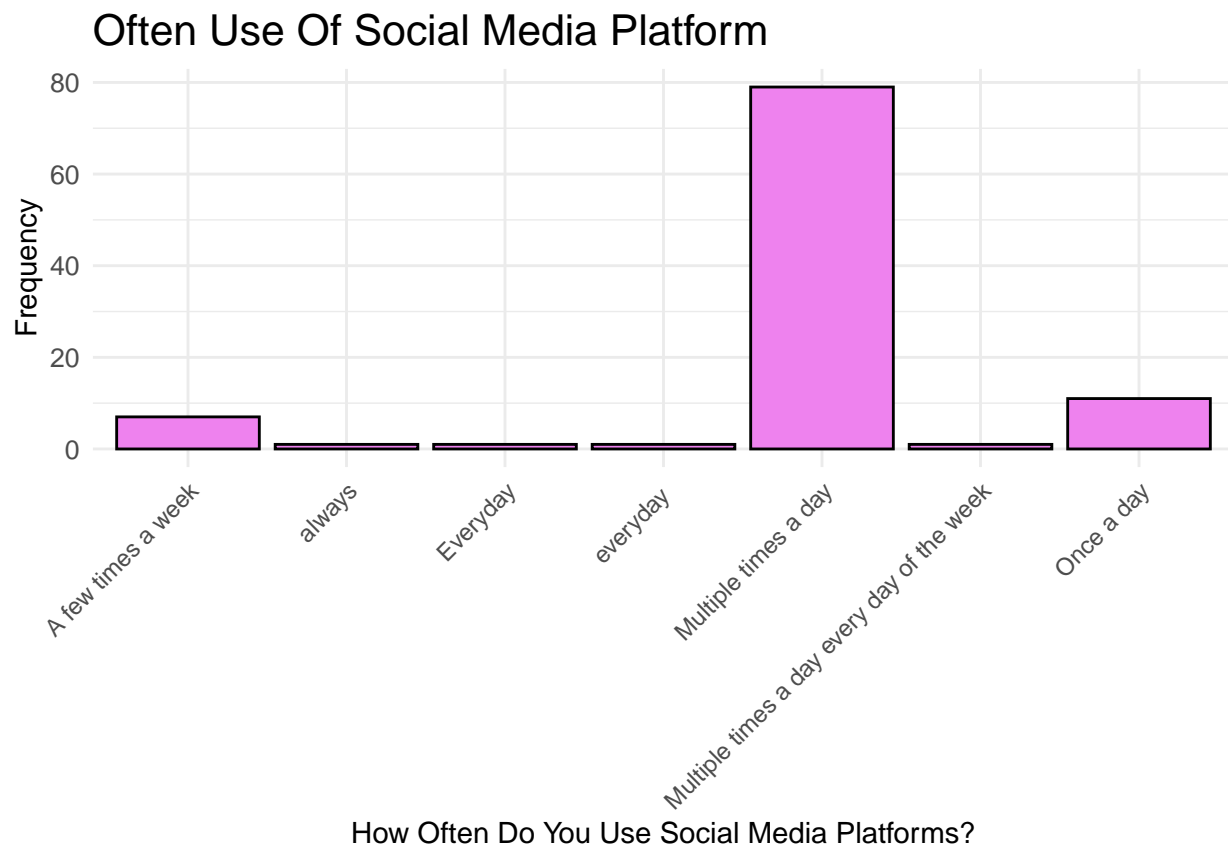
How Often Do You Use Social Media Platforms?

```r
#Please indicate the reasons for your use of social media by selecting all that apply from the following
Reasons <- Survey$Please.indicate.the.reasons.for.your.use.of.social.media.by.selecting.all.that.apply.

ggplot(Survey, aes(x = Reasons)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Reasons",
       x = "Reasons For Your Use of Social Media",
       y = "Frequency") +
  theme_minimal() +
  theme(axis.text.x = element_text(angle = 45, hjust = 1),
        axis.text.y = element_text(size = 10),
        plot.title = element_text(size = 16))
```

Personal connection with friends and family, Keeping up with news and current events, Discovering new trends or interests, Shopping or exploring, Entertainment and leisure, Discovering new trends or interests, Shopping or exploring, Personal connection with friends and family, Keeping up with news and current events, Entertainment and leisure, Discovering new trends or interests, Shopping or exploring, Personal connection with friends and family, Keeping up with news and current events, Entertainment and leisure, Discovering new trends or interests, Shopping or exploring, Personal connection with friends and family, Keeping up with news and current events, Entertainment and leisure, Discovering new trends or interests, Shopping or exploring

```r
#Do you find Meta Social Media Platforms  useful  in your everyday  life?
DoYouFindSocialMediaPlatformUseful <- Survey$Do.you.find.Meta.Social.Media.Platforms..useful..in.your.ev

ggplot(Survey, aes(x = DoYouFindSocialMediaPlatformUseful)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Is Meta Social Media Useful in Everyday Life?",
       x = "Do you find Meta Social Media Platforms  useful  in your everyday  life",
       y = "Frequency") +
  theme_minimal() +
  theme(axis.text.x = element_text(angle = 45, hjust = 1),
        axis.text.y = element_text(size = 10),
        plot.title = element_text(size = 16))
```

Is Meta Social Media Useful in Everyday Life?

Do you find Meta Social Media Platforms useful in your everyday life
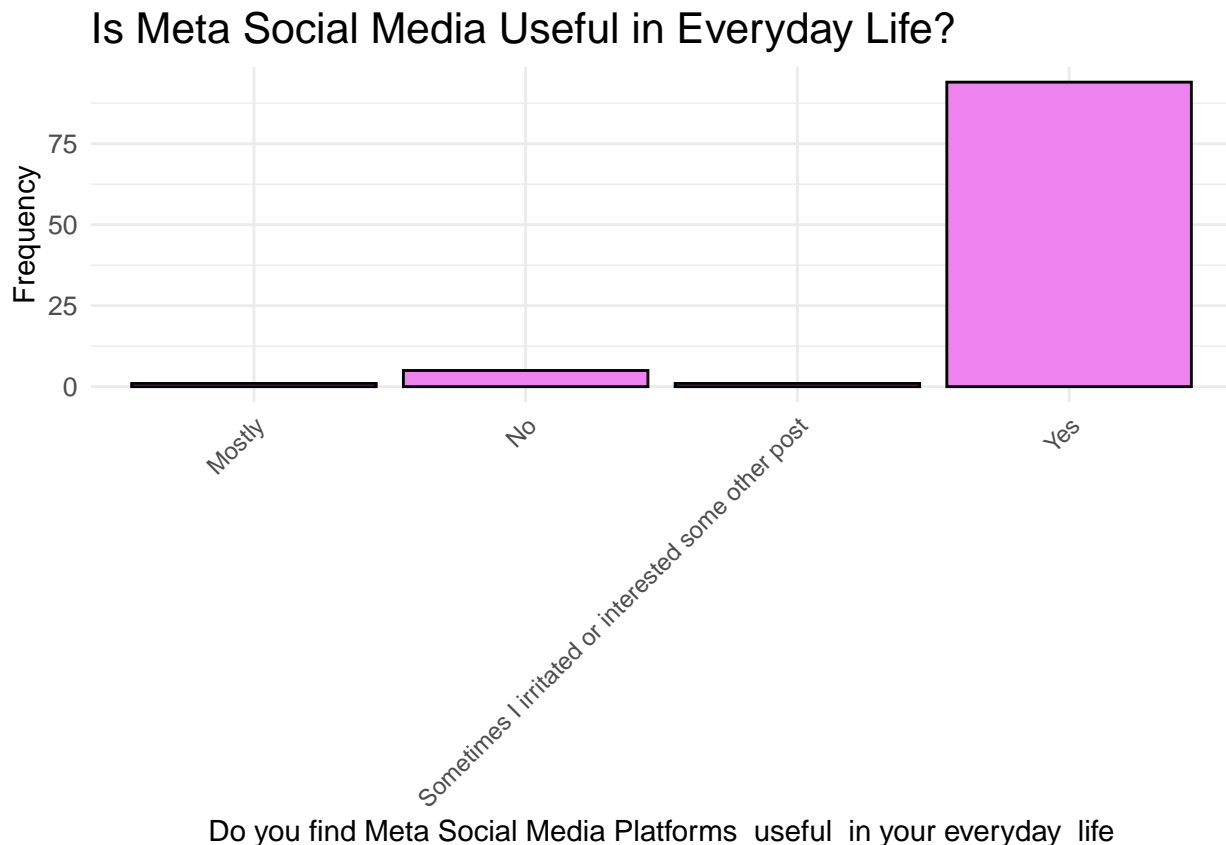
```r
# Count "Yes" votes
YesCount <- sum(Survey$Do.you.find.Meta.Social.Media.Platforms..useful..in.your.everyday..life. == "Yes

# Count "No" votes
NoCount <- sum(Survey$Do.you.find.Meta.Social.Media.Platforms..useful..in.your.everyday..life. == "No")

print(YesCount)
```

```
## [1] 94
```

```r
print(NoCount)
```

```
## [1] 5
```

```r
#Does Social Media Platforms enables you to accomplish tasks more quickly?

DoesSocialMediaPlatformsEnablesYoutoAccomplishTasksMoreQuickly <- Survey$Does.Social.Media.Platforms.ena
ggplot(Survey, aes(x = DoesSocialMediaPlatformsEnablesYoutoAccomplishTasksMoreQuickly)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Does Social Media Platforms enables you to accomplish tasks more quickly?",
       x = "
",
       y = "Frequency") +
  theme_minimal() +
  theme(axis.text.x = element_text(angle = 45, hjust = 1),
        axis.text.y = element_text(size = 10),
        plot.title = element_text(size = 16))
```

Does Social Media Platforms enables you to accomplish tasks
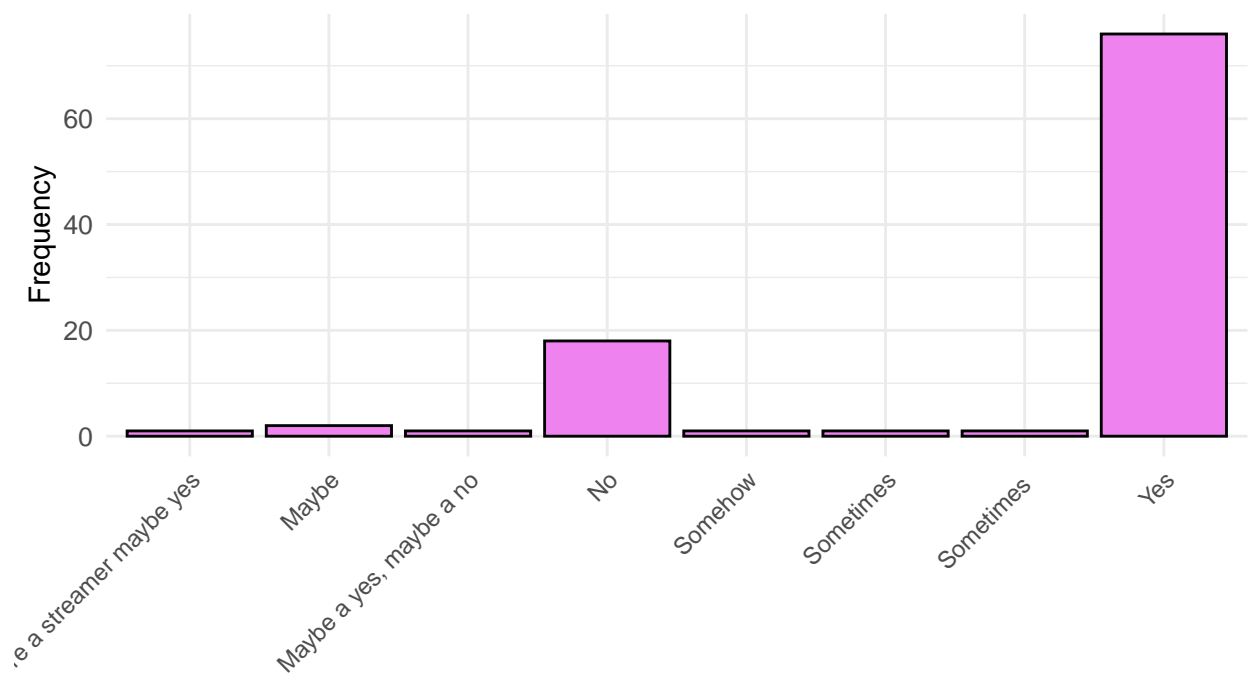


```
#Does Meta Social Media Platforms  increase your productivity?
Productivity <- Survey$Does.Meta.Social.Media.Platforms..increase.your.productivity.

ggplot(Survey, aes(x = Productivity)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Does Meta Social Media Platforms  increase your productivity?",
       x = "

",
       y = "Frequency") +
  theme_minimal() +
  theme(axis.text.x = element_text(angle = 45, hjust = 1),
        axis.text.y = element_text(size = 10),
        plot.title = element_text(size = 16))
```

Does Meta Social Media Platforms increase your productivity
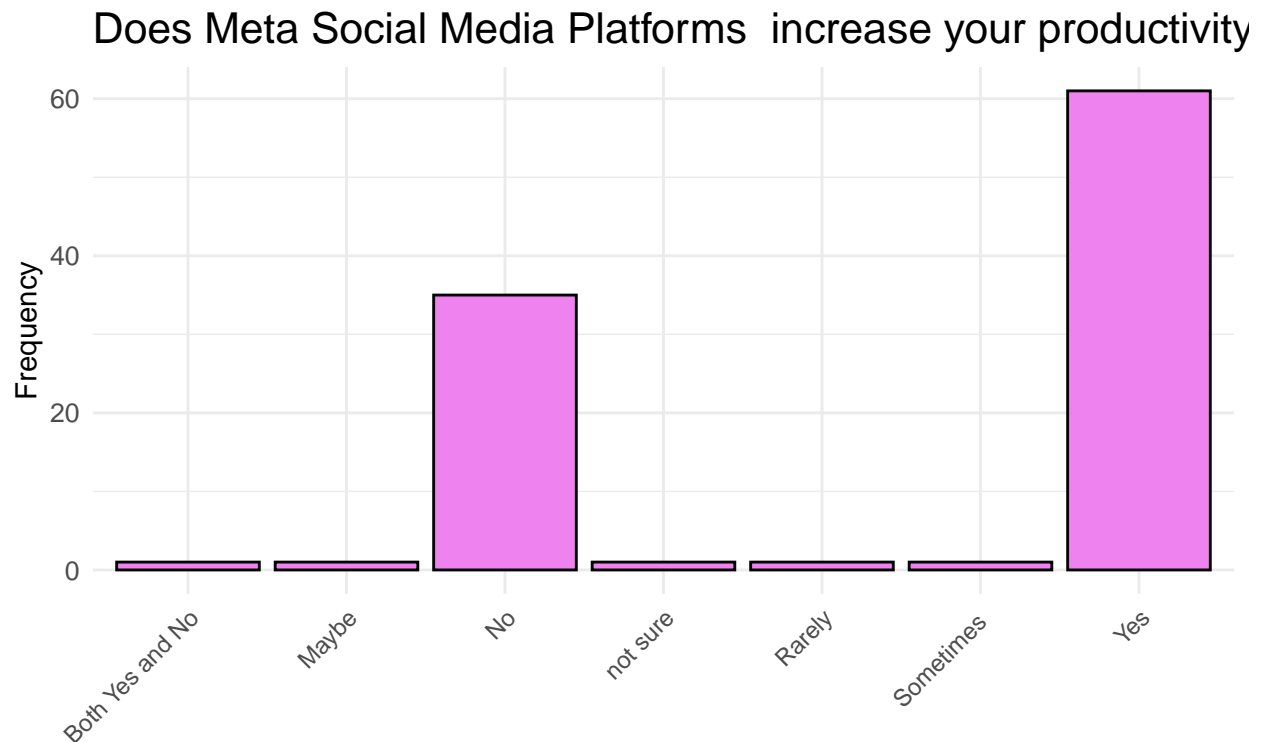

```
#Do you think using Meta Social Media Platforms is a good idea or a bad idea? Choose one.
BadOrGoodWhenUsingMeta<- Survey$Do.you.think.using.Meta.Social.Media.Platforms.is.a.good.idea.or.a.bad.

ggplot(Survey, aes(x = BadOrGoodWhenUsingMeta)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Do you think using Meta Social Media Platforms is a good idea or a bad idea? Choose one
       x = "",y = "Frequency") +
  theme_minimal()
```
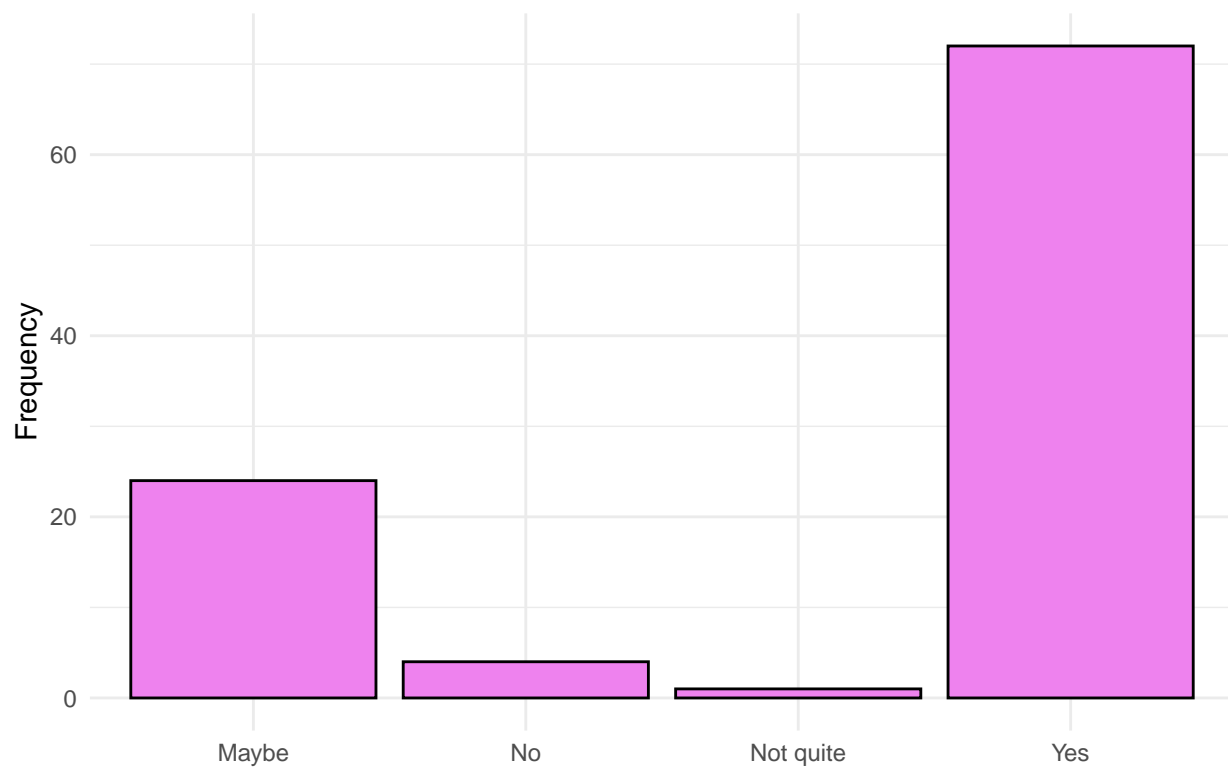
Do you think using Meta Social Media Platforms is a good idea or a bad idea
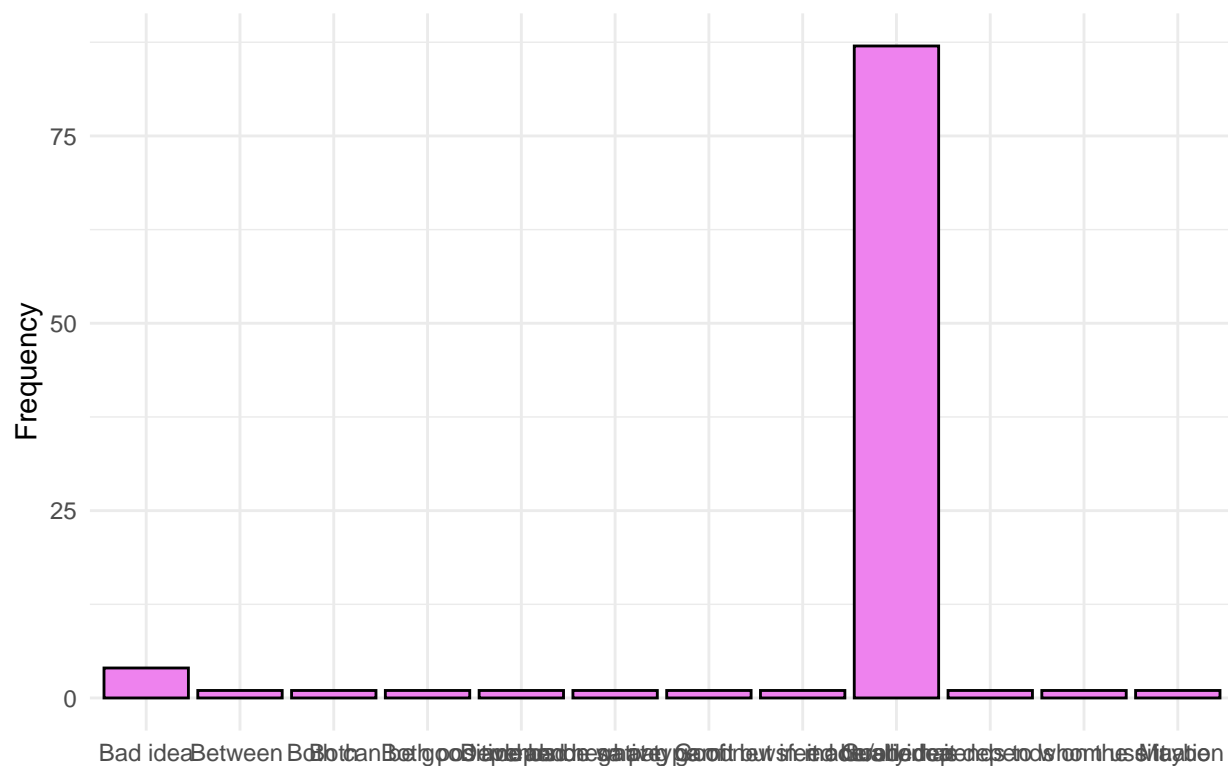

```r
#Do you like to use Meta Social Media Platforms?
LikingToUseSocialMedia<- Survey$Do.you.like.to.use.Meta.Social.Media.Platforms.

ggplot(Survey, aes(x = LikingToUseSocialMedia)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Do you like to use Meta Social Media Platforms? ",
       x = "",y = "Frequency") +
  theme_minimal()
```
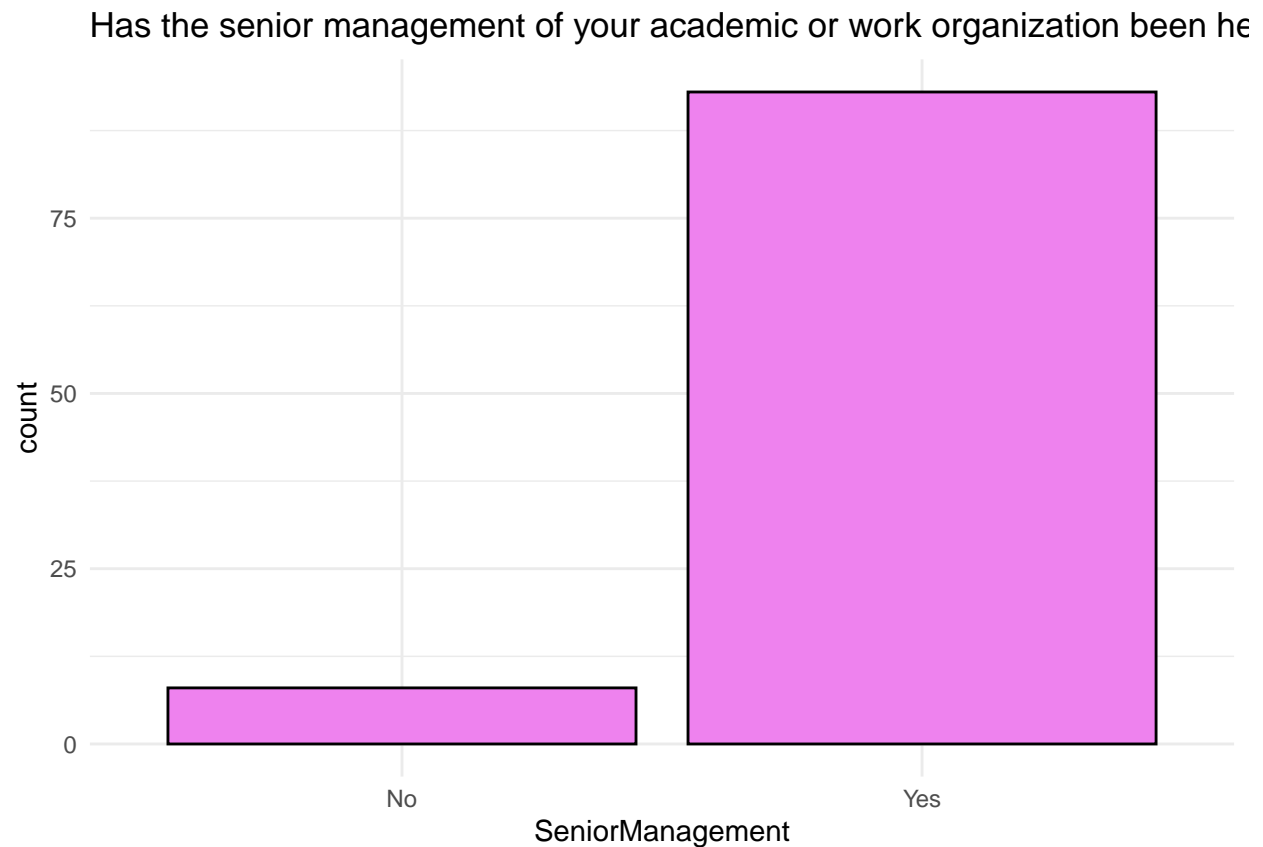
Do you like to use Meta Social Media Platforms?


```
#Do people who influence your behavior think that you should use Meta Social Media Platforms? Choose on
InfluenceBehavior<- Survey$Do.people.who.influence.your.behavior.think.that.you.should.use.Meta.Social.

ggplot(Survey, aes(x = InfluenceBehavior)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Do people who influence your behavior think that you should use Meta Social Media Platf
       x = "",y = "Frequency") +
  theme_minimal()
```

Do people who influence your behavior think that you should use Meta Soci
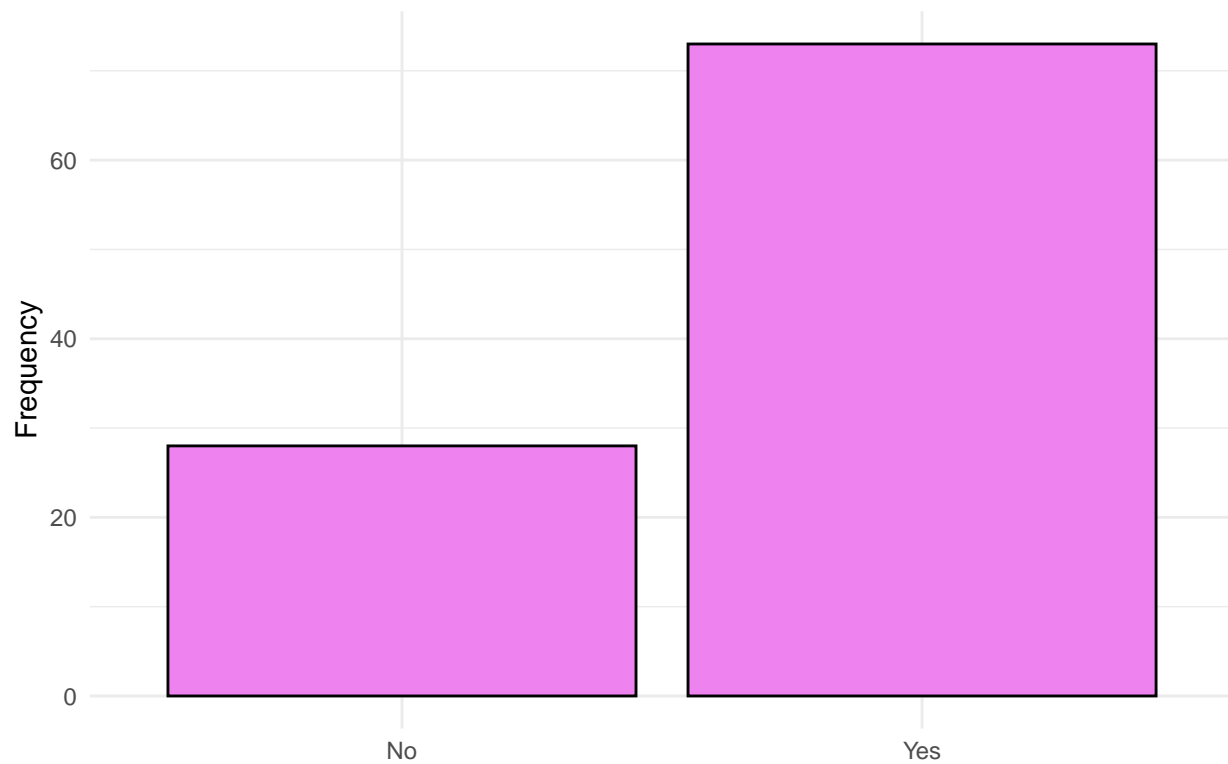


```
#Has the senior management of your academic or work organization been helpful in the use of Meta Social

SeniorManagement<- Survey$Has.the.senior.management.of.your.academic.or.work.organization.been.helpful.

ggplot(Survey, aes(x = SeniorManagement)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Has the senior management of your academic or work organization been helpful in the use
  theme_minimal()
```

Has the senior management of your academic or work organization been he


```r
#In general, does your academic or work organization support the use of Meta Social Media Platforms? Ch
SupportOfUsingMeta<- Survey$In.general..does.your.academic.or.work.organization.support.the.use.of.Meta

ggplot(Survey, aes(x = SupportOfUsingMeta)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "In general, does your academic or work organization support the use of Meta Social Media
       x = "",y = "Frequency") +
  theme_minimal()
```

In general, does your academic or work organization support the use of Met
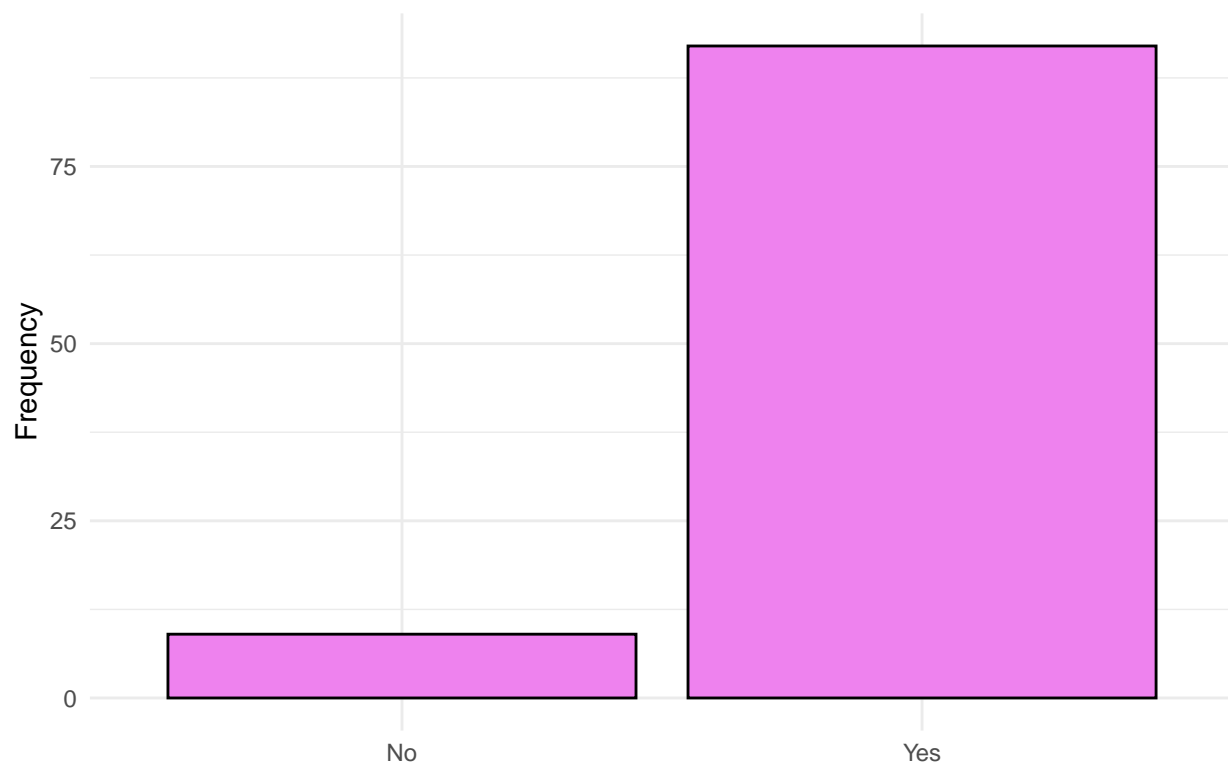

```r
#Do you have the necessary resources to use Meta Social Media Platforms? Choose one.
NecessaryResources<- Survey$Do.you.have.the.necessary.resources.to.use.Meta.Social.Media.Platforms..Choo

ggplot(Survey, aes(x = NecessaryResources)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "In general, does your academic or work organization support the use of Meta Social Media
       x = "",y = "Frequency") +
  theme_minimal()
```

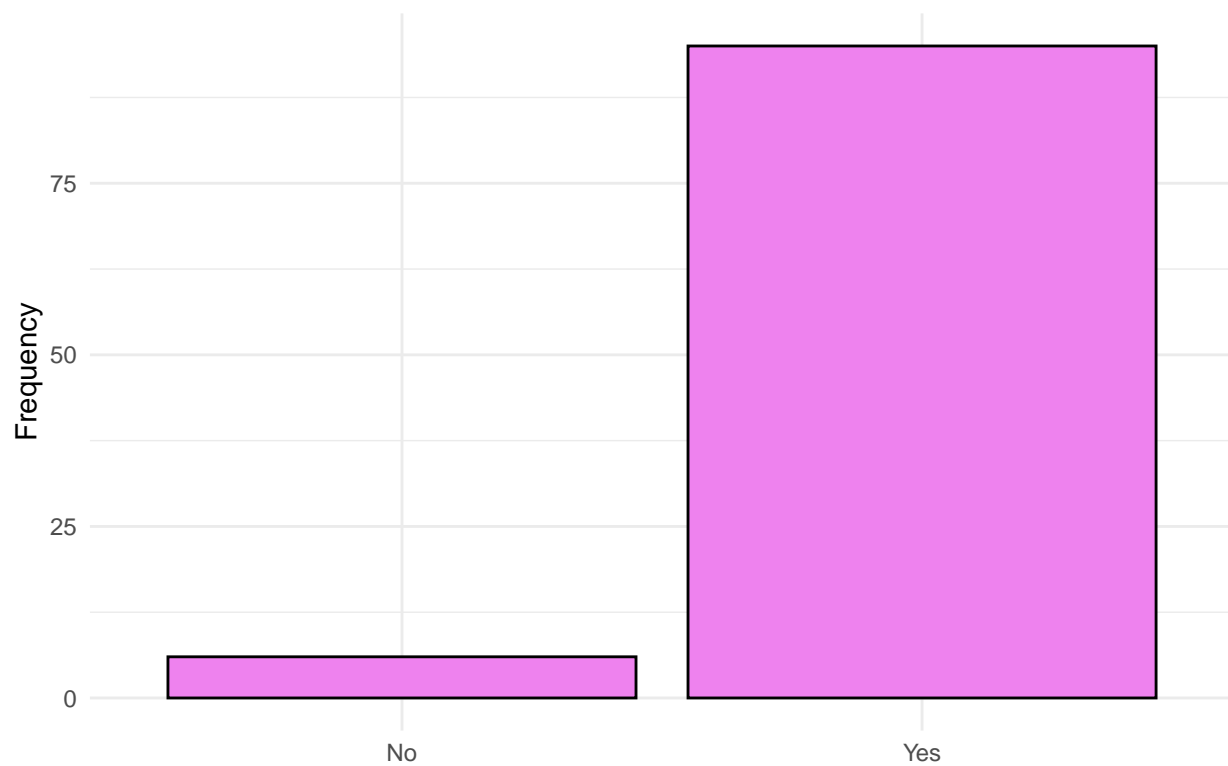## In general, does your academic or work organization support the use of Met


```
#How often do you use the built-in help facility for assistance with Meta Social Media Platforms? Choos

BuiltIn<- Survey$How.often.do.you.use.the.built.in.help.facility.for.assistance.with.Meta.Social.Media.

ggplot(Survey, aes(x = BuiltIn)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "How often do you use the built-in help facility for assistance",
       x = "",y = "Frequency") +
  theme_minimal()
```

How often do you use the built–in help facility for assistance
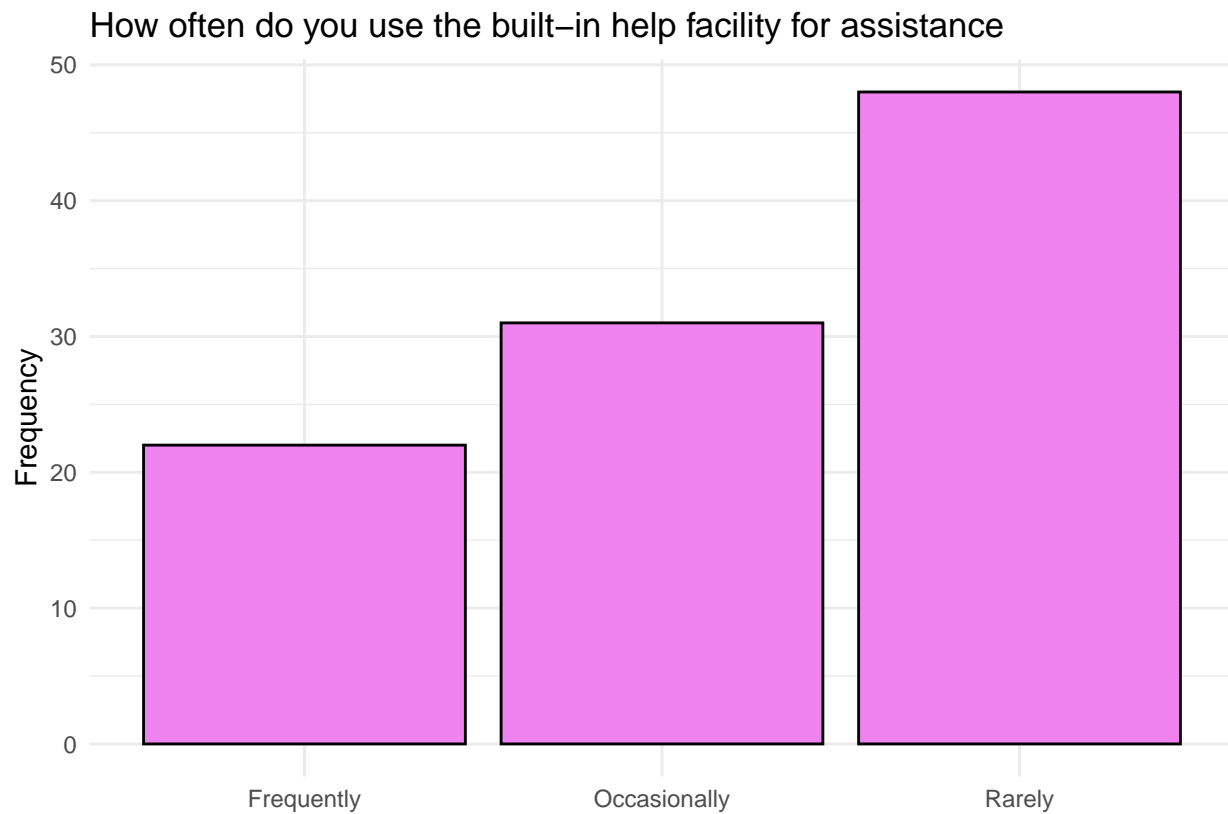
```
#Do you feel apprehensive/uneasy about using Meta Social Media Platforms? Choose one

ApprehensiveOrUneasy<- Survey$Do.you.feel.apprehensive.uneasy.about.using.Meta.Social.Media.Platforms..(

ggplot(Survey, aes(x = ApprehensiveOrUneasy)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Do you feel apprehensive/uneasy about using Meta Social Media Platforms?",
       x = "",y = "Frequency") +
  theme_minimal()
```
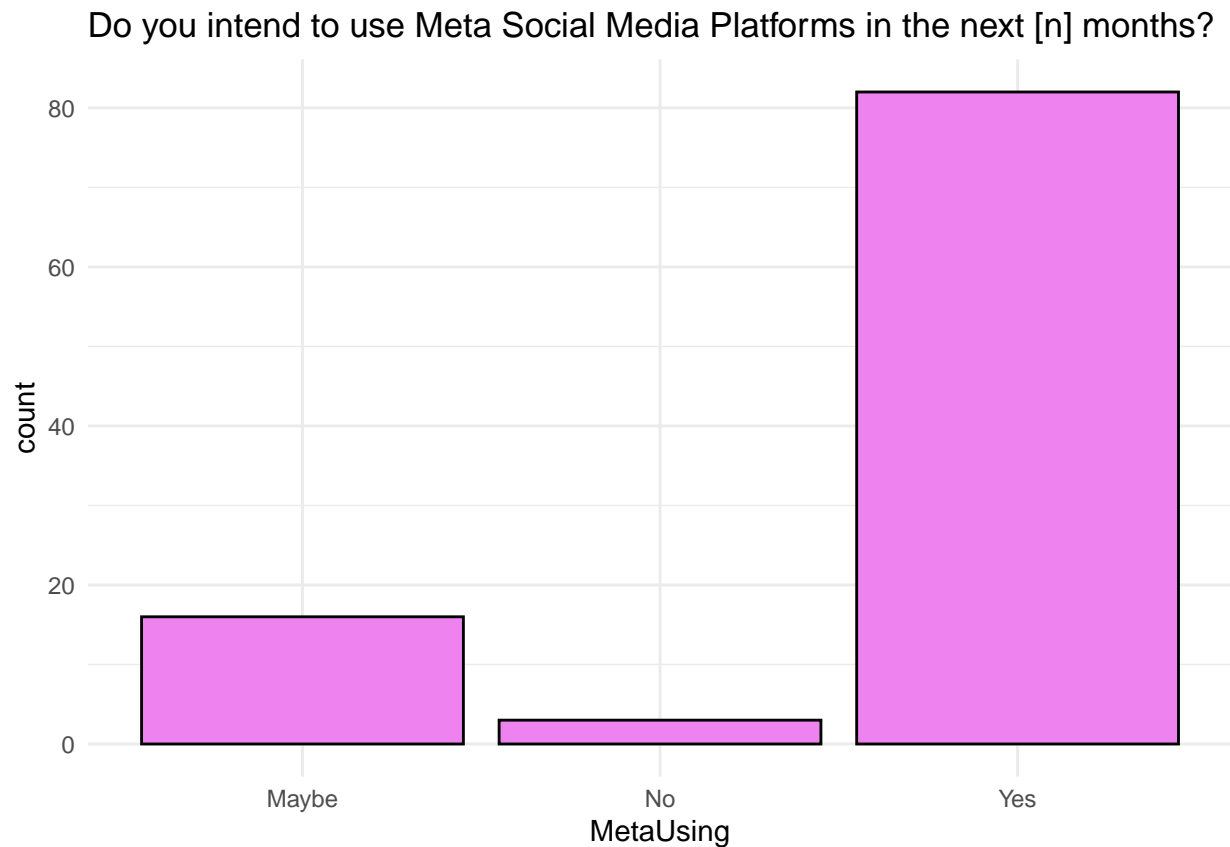
Do you feel apprehensive/uneasy about using Meta Social Media Platforms?
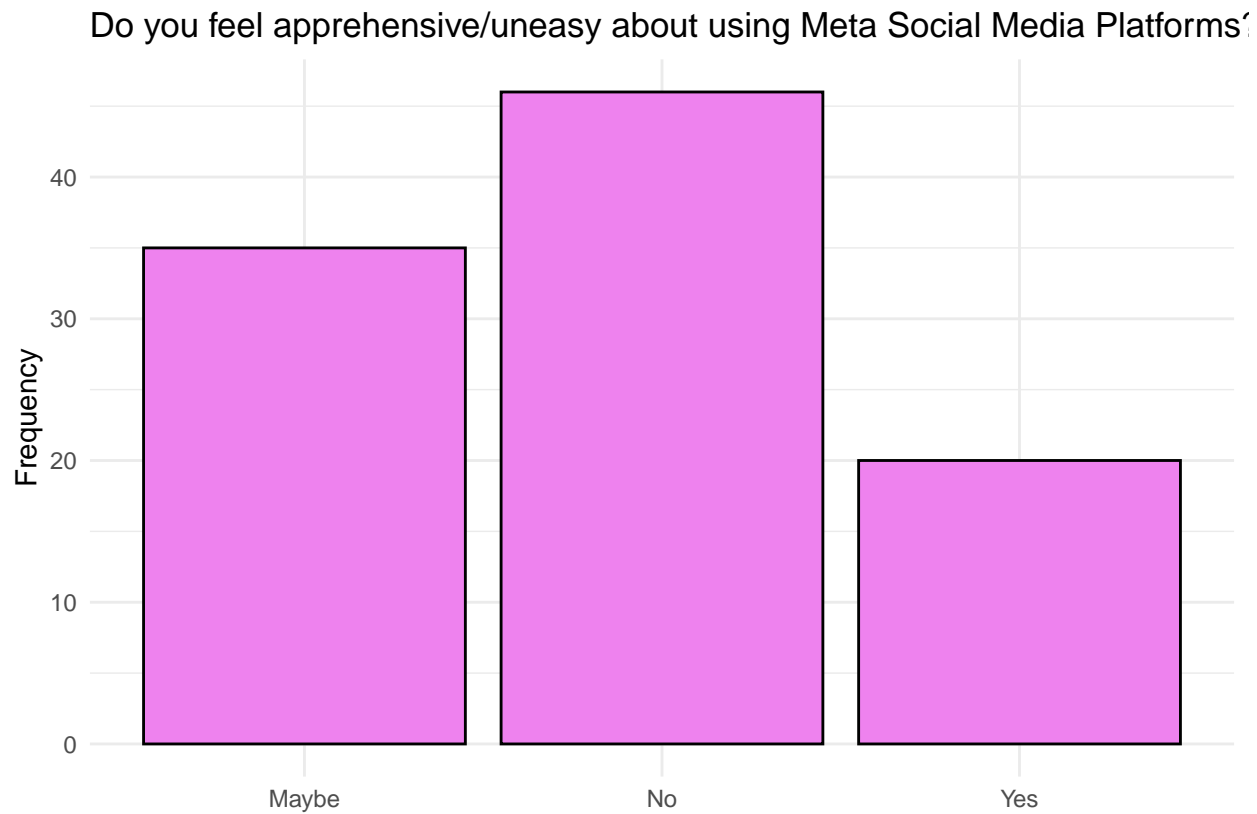

```r
#Do you intend to use Meta Social Media Platforms in the next [n] months? Choose one.
MetaUsing<- Survey$Do.you.intend.to.use.Meta.Social.Media.Platforms.in.the.next..n..months..Choose.one.

ggplot(Survey, aes(x = MetaUsing)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Do you intend to use Meta Social Media Platforms in the next [n] months?") +
  theme_minimal()
```

Do you intend to use Meta Social Media Platforms in the next [n] months?


```
#Do you plan to use Meta Social Media Platforms in the next [n] months? Choose one.
PlanOnUsing<- Survey$Do.you.plan.to.use.Meta.Social.Media.Platforms.in.the.next..n..months..Choose.one.

ggplot(Survey, aes(x = PlanOnUsing)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Do you intend to use Meta Social Media Platforms in the next [n] months?") +
  theme_minimal()
```

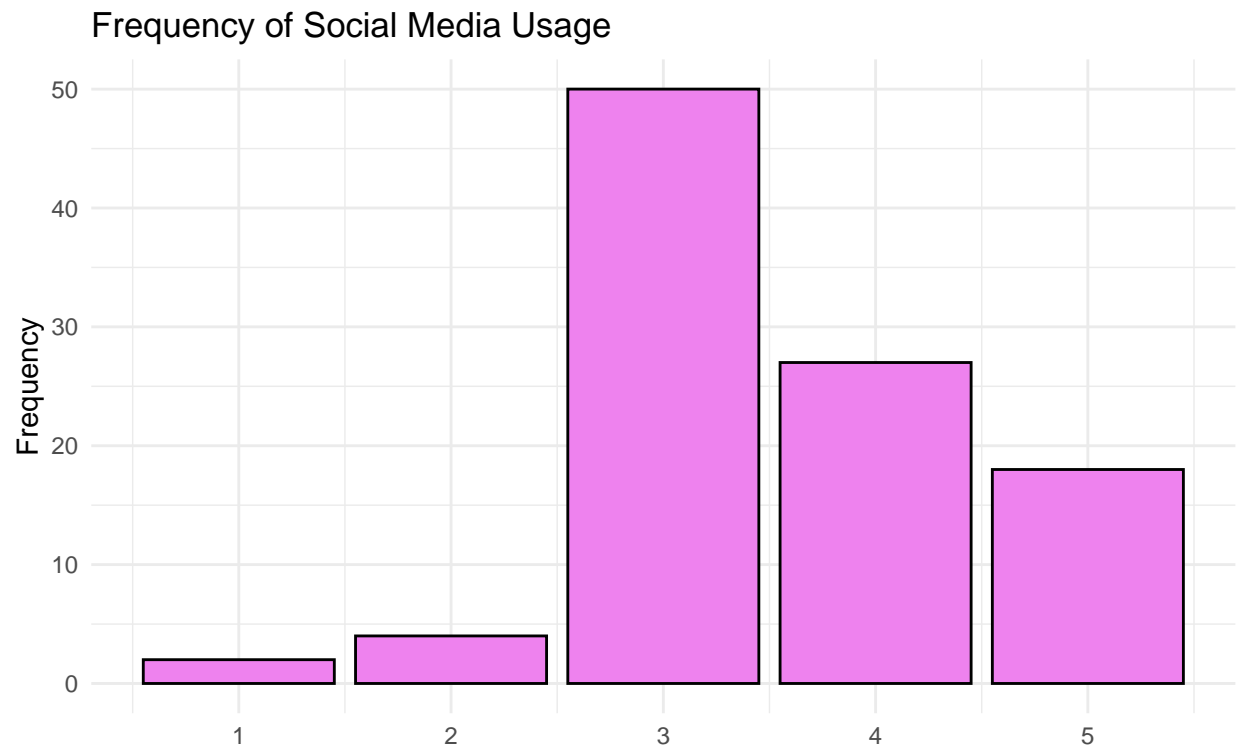## Do you intend to use Meta Social Media Platforms in the next [n] months?
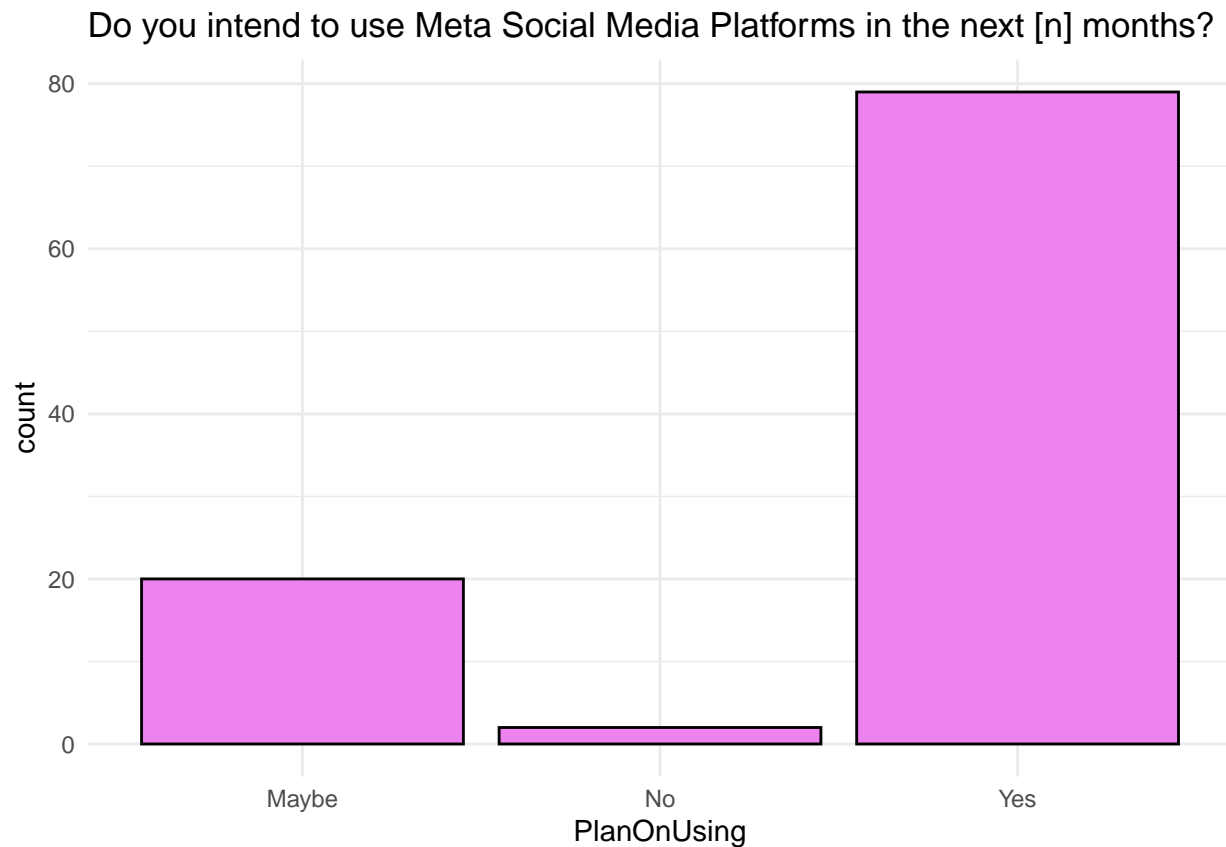

```
library(dplyr)
#Barplot and Mean and Standard Deviation of every questions with number answers

#If you use Meta Social Media Platforms, do you believe it will increase your chances of academic succe

IfYouUseMetaSocialMediaPlatformsDoYouBelieveItWillIncreaseYourChancesOfAcademicSuccess <- Survey$If.you

ggplot(Survey, aes(x = IfYouUseMetaSocialMediaPlatformsDoYouBelieveItWillIncreaseYourChancesOfAcademicSu
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Frequency of Social Media Usage",
      x = "If you use Meta Social Media Platforms, do you believe it will increase your chances of aca

",
      y = "Frequency") +
  theme_minimal()
```

Frequency of Social Media Usage

orms, do you believe it will increase your chances of academic success or professional advancen

```r
IfYouUseMetaSocialMediaPlatformsDoYouBelieveItWillIncreaseYourChancesOfAcademicSuccessMean <- Survey$If

# Calculate mean
mean_value1 <- mean(Survey$If.you.use.Meta.Social.Media.Platforms..do.you.believe.it.will.increase.your

# Calculate standard deviation
sd_value1 <- sd(Survey$If.you.use.Meta.Social.Media.Platforms..do.you.believe.it.will.increase.your.chan

# Print the mean and standard deviation
print(paste("Mean:", mean_value1))
```

```
## [1] "Mean: 3.54455445544554"
```

```r
print(paste("Standard Deviation:", sd_value1))
```

```
## [1] "Standard Deviation: 0.900274985493294"
```

```r
#How clear and understandable is your interaction with Meta Social Media Platforms? Rate on a scale fro
HowClearAndUnderstandableInteraction <- Survey$How.clear.and.understandable.is.your.interaction.with.Met

ggplot(Survey, aes(x = HowClearAndUnderstandableInteraction)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "How Clear And Understandable Interaction",
       x = "If you use Meta Social Media Platforms, do you believe it will increase your chances of aca

",
       y = "Frequency") +
  theme_minimal()
```
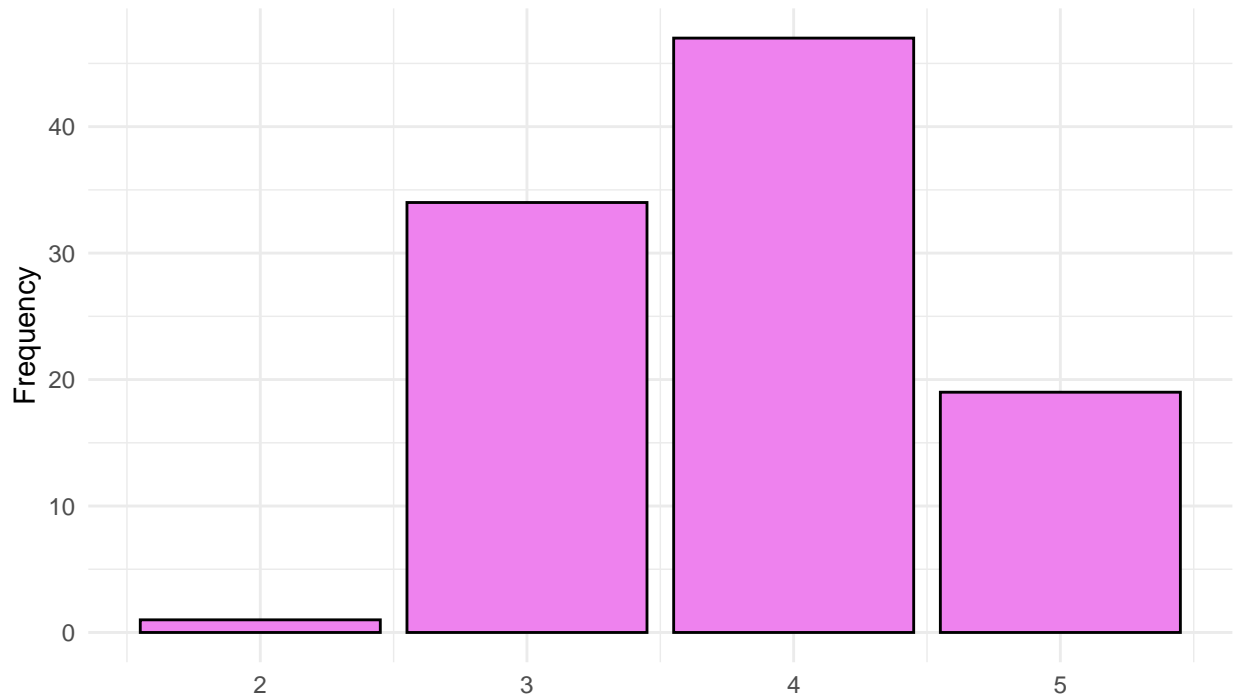
How Clear And Understandable Interaction

orms, do you believe it will increase your chances of academic success or professional advancen

```r
HowClearAndUnderstandableInteractionMean <- mean(Survey$If.you.use.Meta.Social.Media.Platforms..do.you.l

print(HowClearAndUnderstandableInteractionMean)
```

```
## [1] 3.544554
```

```r
IfYouUseMetaSocialMediaPlatformsDoYouBelieveItWillIncreaseYourChancesOfAcademicSuccessMean <- Survey$If

# Calculate mean
mean_value2 <- mean(Survey$If.you.use.Meta.Social.Media.Platforms..do.you.believe.it.will.increase.your

# Calculate standard deviation
sd_value2 <- sd(Survey$If.you.use.Meta.Social.Media.Platforms..do.you.believe.it.will.increase.your.cha

# Print the mean and standard deviation
print(paste("Mean:", mean_value2))
```

```
## [1] "Mean: 3.54455445544554"
```

```r
print(paste("Standard Deviation:", sd_value2))
```

```
## [1] "Standard Deviation: 0.900274985493294"
```

```r
#Do you find it easy to become skillful in using Meta Social Media Platforms? Share your thoughts on a
DoYouFindItEasyToBecomeSkillful <- Survey$Do.you.find.it.easy.to.become.skillful.in.using.Meta.Social.Me

ggplot(Survey, aes(x = DoYouFindItEasyToBecomeSkillful)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Do you find it easy to become skillful in using Meta Social Media Platforms?",
       x = "",y = "Frequency") +
  theme_minimal()
```
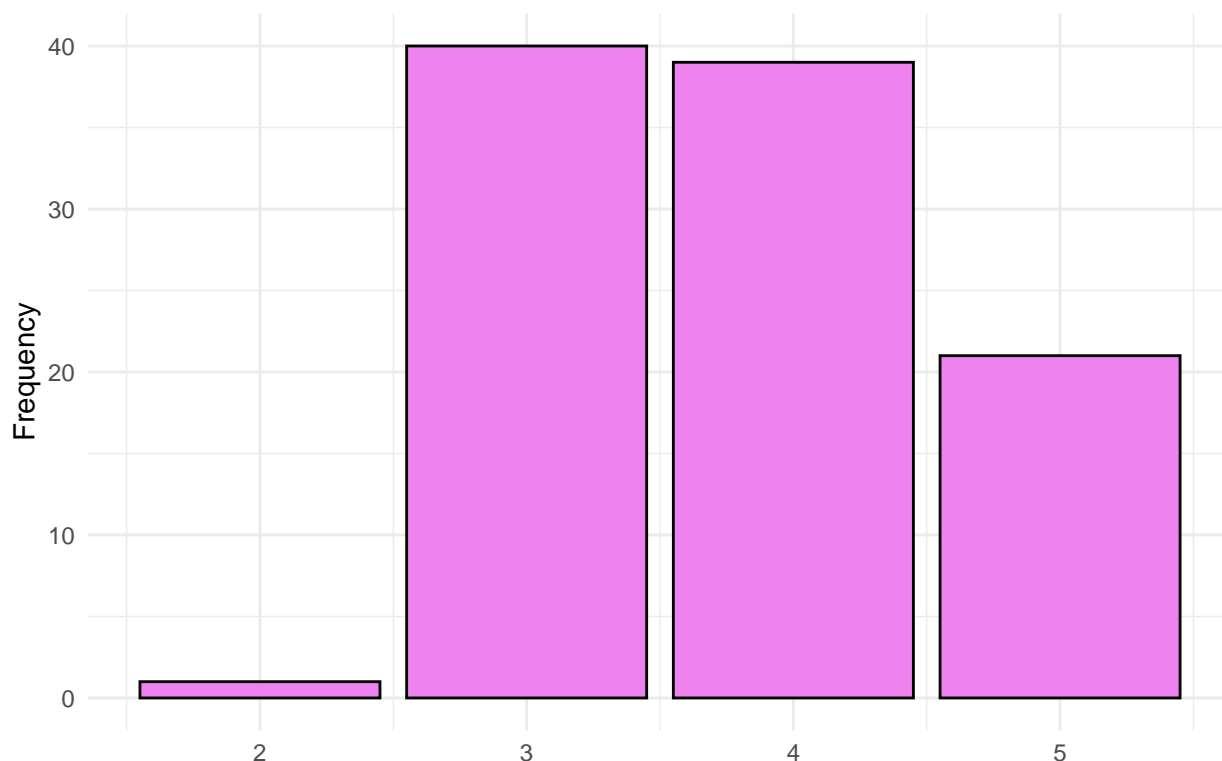
Do you find it easy to become skillful in using Meta Social Media Platforms?


```
# Calculate mean
mean_value3 <- mean(Survey$Do.you.find.it.easy.to.become.skillful.in.using.Meta.Social.Media.Platforms.

# Calculate standard deviation
sd_value3 <- sd(Survey$Do.you.find.it.easy.to.become.skillful.in.using.Meta.Social.Media.Platforms..Sha

# Print the mean and standard deviation
print(paste("Mean:", mean_value3))
```

```
## [1] "Mean: 3.79207920792079"
```

```
print(paste("Standard Deviation:", sd_value3))
```

```
## [1] "Standard Deviation: 0.778676205918331"
```

```
#Learning to operate Meta Social Media Platforms is easy for me. Please rate on a scale from 1 to 5.

LearningToOperateMeta <-Survey$Learning.to.operate.Meta.Social.Media.Platforms.is.easy.for.me..Please.ra

ggplot(Survey, aes(x = LearningToOperateMeta)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "Learning to operate Meta Social Media Platforms is easy for me",
       x = "",y = "Frequency") +
  theme_minimal()
```

Learning to operate Meta Social Media Platforms is easy for me
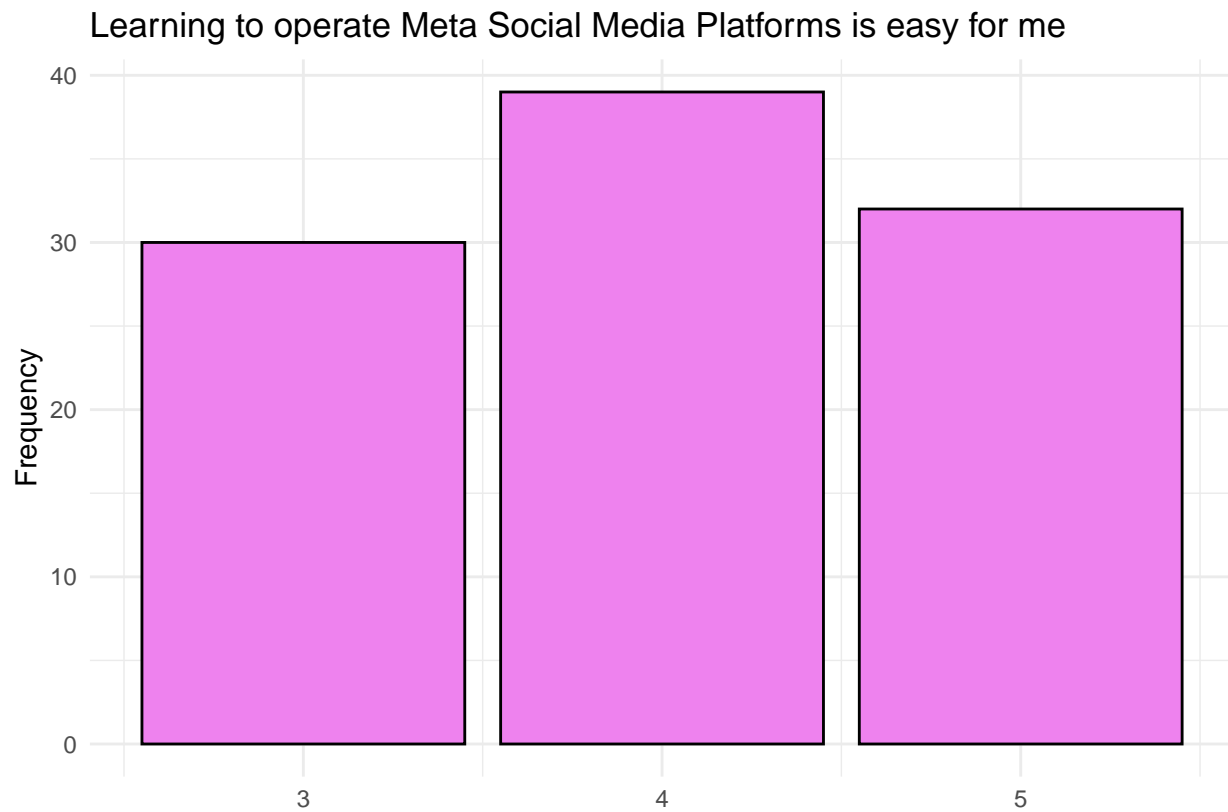

```r
# Calculate mean
mean_value4 <- mean(Survey$Learning.to.operate.Meta.Social.Media.Platforms.is.easy.for.me..Please.rate.

# Calculate standard deviation
sd_value4 <- sd(Survey$Learning.to.operate.Meta.Social.Media.Platforms.is.easy.for.me..Please.rate.on.a

# Print the mean and standard deviation
print(paste("Mean:", mean_value4))
```

```
## [1] "Mean: 4.01980198019802"
```

```r
print(paste("Standard Deviation:", sd_value4))
```

```
## [1] "Standard Deviation: 0.787149261827793"
```

```r
#How does Meta Social Media Platforms impact your academic or work tasks? Rate on a scale from 1 to 5.

HowMetaImpactsAcademic <-Survey$How.does.Meta.Social.Media.Platforms.impact.your.academic.or.work.tasks

ggplot(Survey, aes(x = HowMetaImpactsAcademic)) +geom_bar(fill = "violet", color = "black") +
  labs(title = "Learning to operate Meta Social Media Platforms is easy for me",
       x = "",y = "Frequency") +
  theme_minimal()
```

Learning to operate Meta Social Media Platforms is easy for me
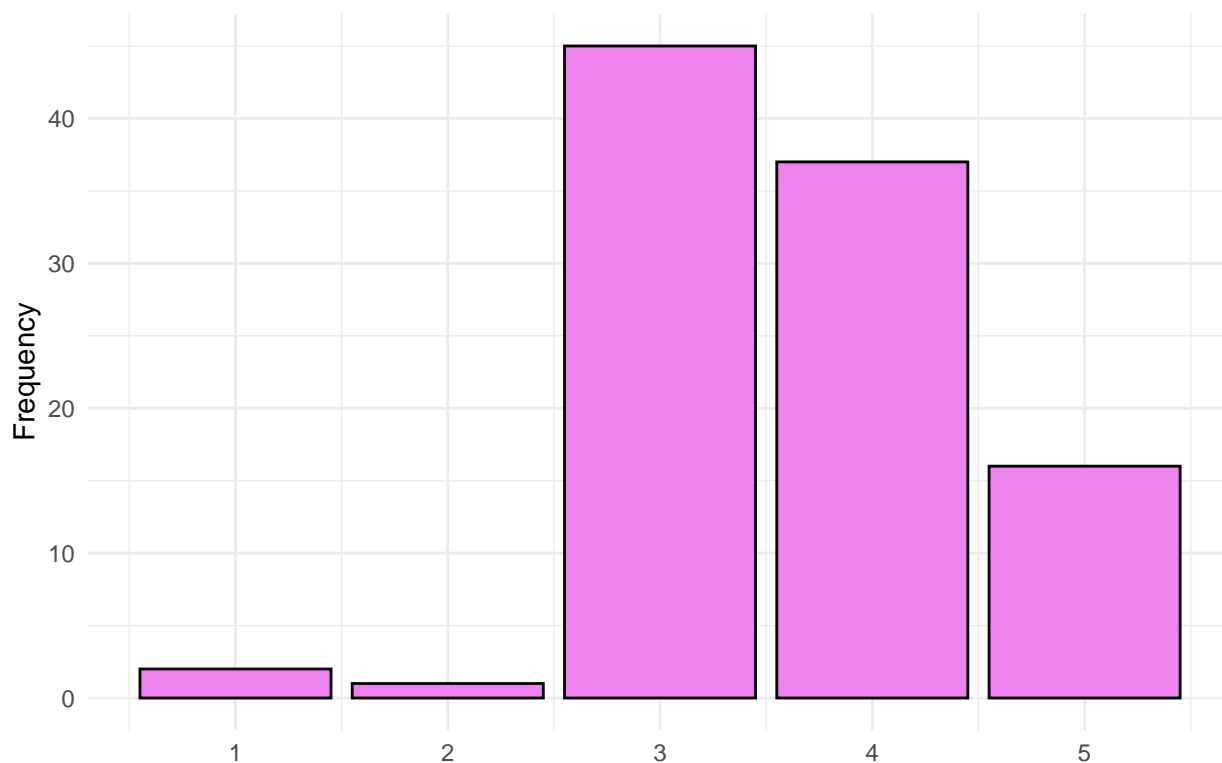

```r
# Calculate mean
mean_value5 <- mean(Survey$How.does.Meta.Social.Media.Platforms.impact.your.academic.or.work.tasks..Rat

# Calculate standard deviation
sd_value5 <- sd(Survey$How.does.Meta.Social.Media.Platforms.impact.your.academic.or.work.tasks..Rate.on

# Print the mean and standard deviation
print(paste("Mean:", mean_value5))
```

```
## [1] "Mean: 3.63366336633663"
```

```r
print(paste("Standard Deviation:", sd_value5))
```

```
## [1] "Standard Deviation: 0.833339933967258"
```

```r
#Working with Meta Social Media Platforms is fun. Please share your opinion on a scale from 1 to 5.
WorkingWithMetaPlatformIsFun <-Survey$Working.with.Meta.Social.Media.Platforms.is.fun..Please.share.you

ggplot(Survey, aes(x = WorkingWithMetaPlatformIsFun)) +geom_bar(fill = "violet", color = "black") +
  labs(title = "Learning to operate Meta Social Media Platforms is easy for me",
       x = "",y = "Frequency") +
  theme_minimal()
```

Learning to operate Meta Social Media Platforms is easy for me
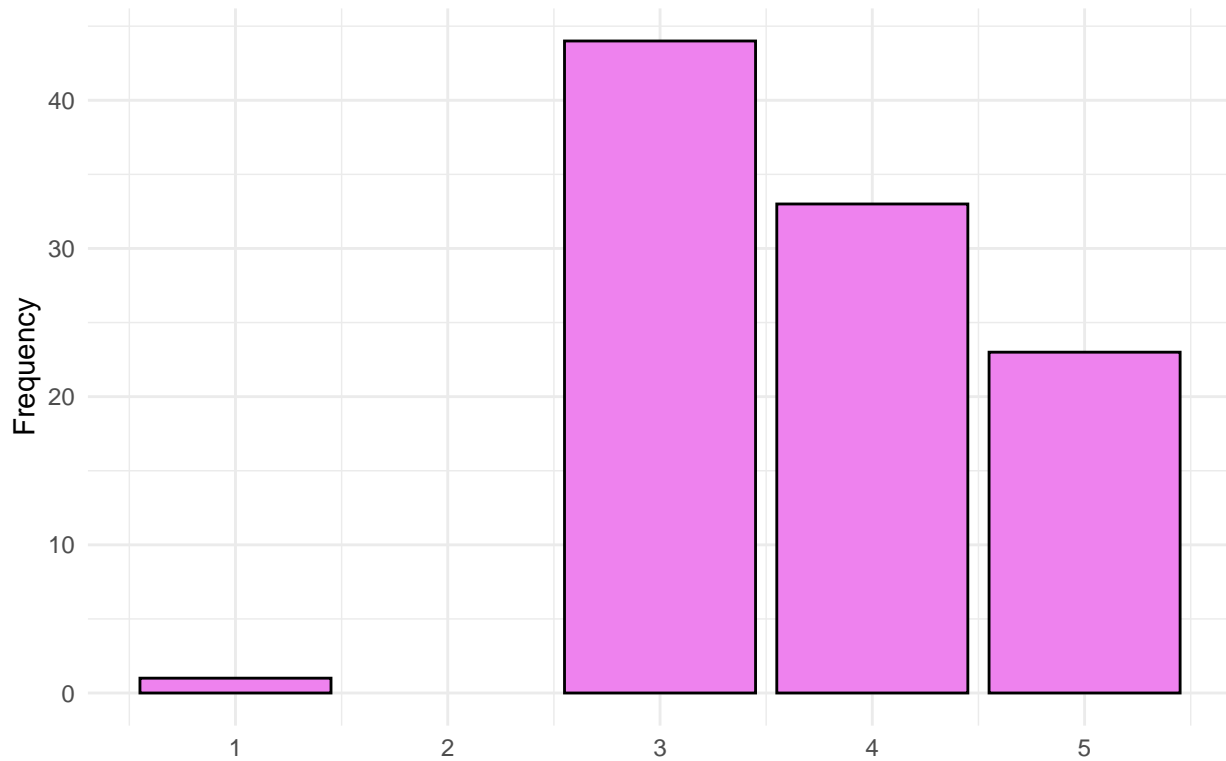

```r
# Calculate mean
mean_value6 <- mean(Survey$Working.with.Meta.Social.Media.Platforms.is.fun..Please.share.your.opinion.or

# Calculate standard deviation
sd_value6 <- sd(Survey$Working.with.Meta.Social.Media.Platforms.is.fun..Please.share.your.opinion.on.a.s

# Print the mean and standard deviation
print(paste("Mean:", mean_value6))
```

```
## [1] "Mean: 3.76237623762376"
```

```r
print(paste("Standard Deviation:", sd_value6))
```

```
## [1] "Standard Deviation: 0.838433239458994"
```

```r
#How important is it to you that people you consider important think you should use Meta Social Media P
ImportantToTinkToUseMeta <-Survey$How.important.is.it.to.you.that.people.you.consider.important.think.yo

ggplot(Survey, aes(x = ImportantToTinkToUseMeta)) +geom_bar(fill = "violet", color = "black") +
  labs(title = "How important is it to you that people
       consider important think you
       should use Meta",
       x = "",y = "Frequency") +
  theme_minimal()
```

How important is it to you that people consider important think you should use Meta
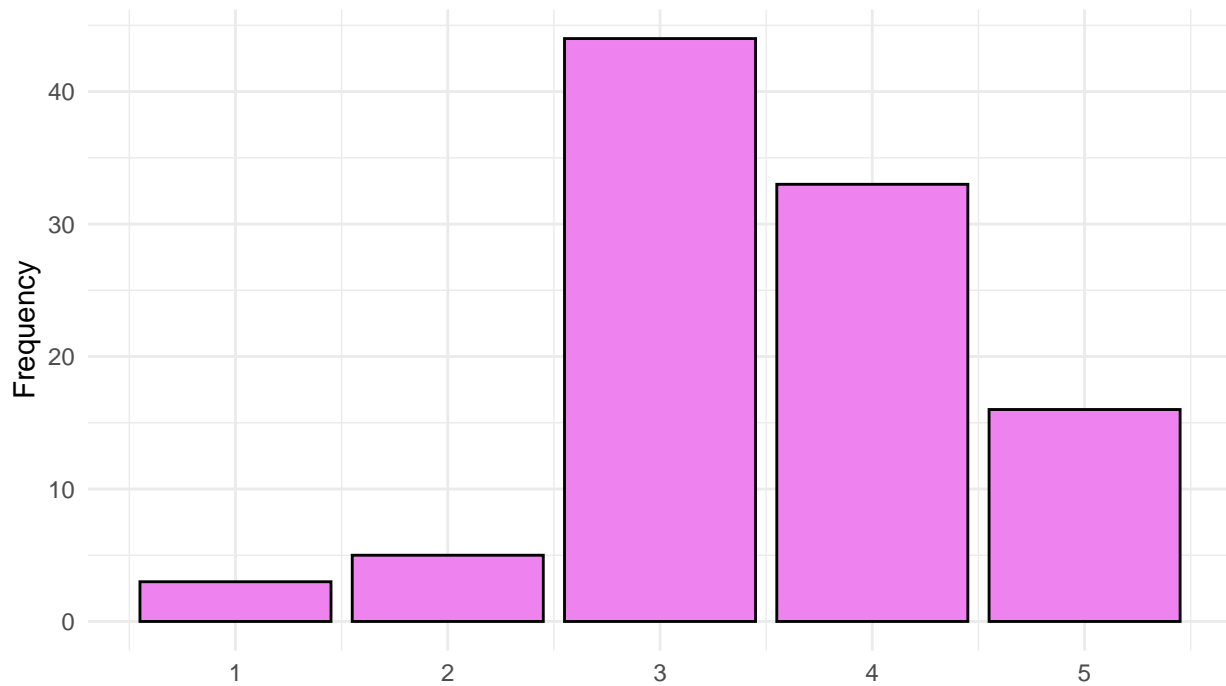

```r
# Calculate mean
mean_value7 <- mean(Survey$How.important.is.it.to.you.that.people.you.consider.important.think.you.shoul

# Calculate standard deviation
sd_value7 <- sd(Survey$How.important.is.it.to.you.that.people.you.consider.important.think.you.should.us

# Print the mean and standard deviation
print(paste("Mean:", mean_value7))
```

```
## [1] "Mean: 3.53465346534653"
```

```r
print(paste("Standard Deviation:", sd_value7))
```

```
## [1] "Standard Deviation: 0.922652225225123"
```

```r
#How likely are you to call someone for help if you get stuck while using Meta Social Media Platforms?

CallSomeone <-Survey$How.likely.are.you.to.call.someone.for.help.if.you.get.stuck.while.using.Meta.Soci

ggplot(Survey, aes(x = CallSomeone)) +geom_bar(fill = "violet", color = "black") +
  labs(title = "How likely to call for help",
       x = "",y = "Frequency") +
  theme_minimal()
```

How likely to call for help
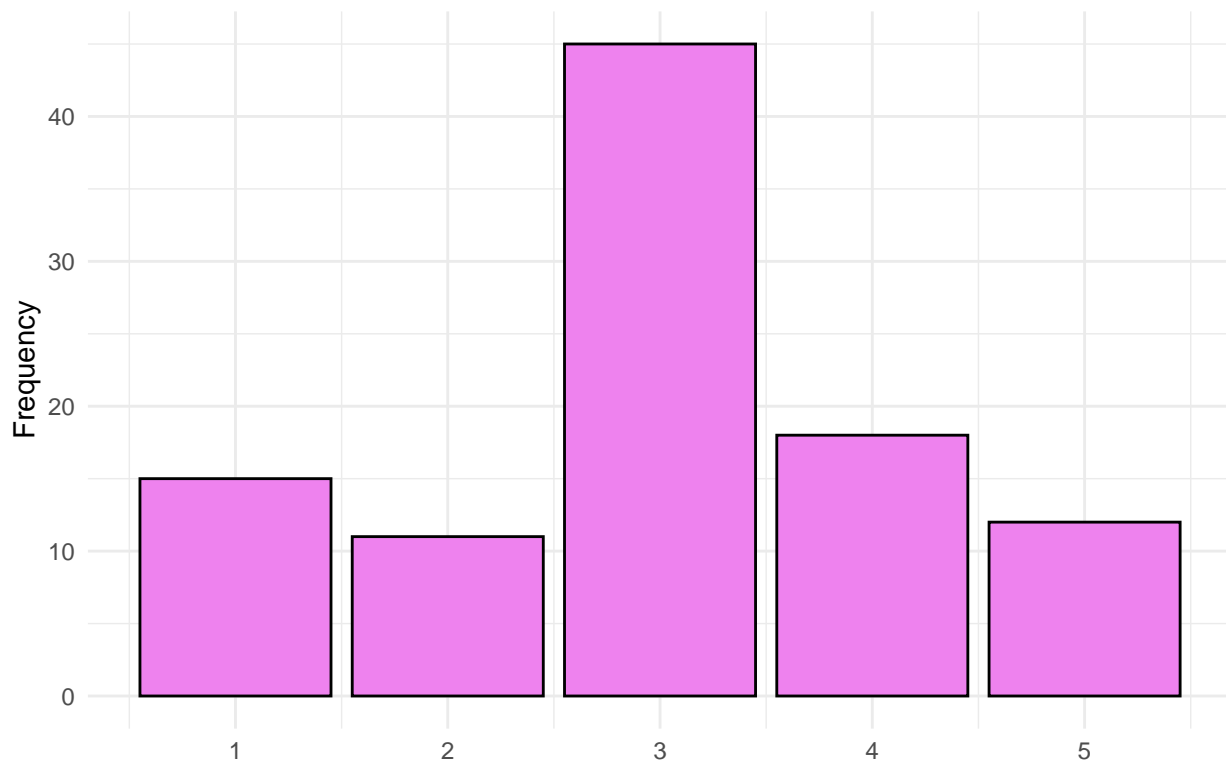

```r
# Calculate mean
mean_value8 <- mean(Survey$How.likely.are.you.to.call.someone.for.help.if.you.get.stuck.while.using.Meta

# Calculate standard deviation
sd_value8 <- sd(Survey$How.likely.are.you.to.call.someone.for.help.if.you.get.stuck.while.using.Meta.Soc

# Print the mean and standard deviation
print(paste("Mean:", mean_value8))
```

```
## [1] "Mean: 3.00990099009901"
```

```r
print(paste("Standard Deviation:", sd_value8))
```

```
## [1] "Standard Deviation: 1.17042769537422"
```

```r
#If you had a lot of time to complete a task using Meta Social Media Platforms, how confident are you i

ConfidentCompleting <-Survey$If.you.had.a.lot.of.time.to.complete.a.task.using.Meta.Social.Media.Platfor

ggplot(Survey, aes(x = ConfidentCompleting)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "How Confident Are You",
       x = "", y = "Frequency") +
  theme_minimal()
```

How Confident Are You
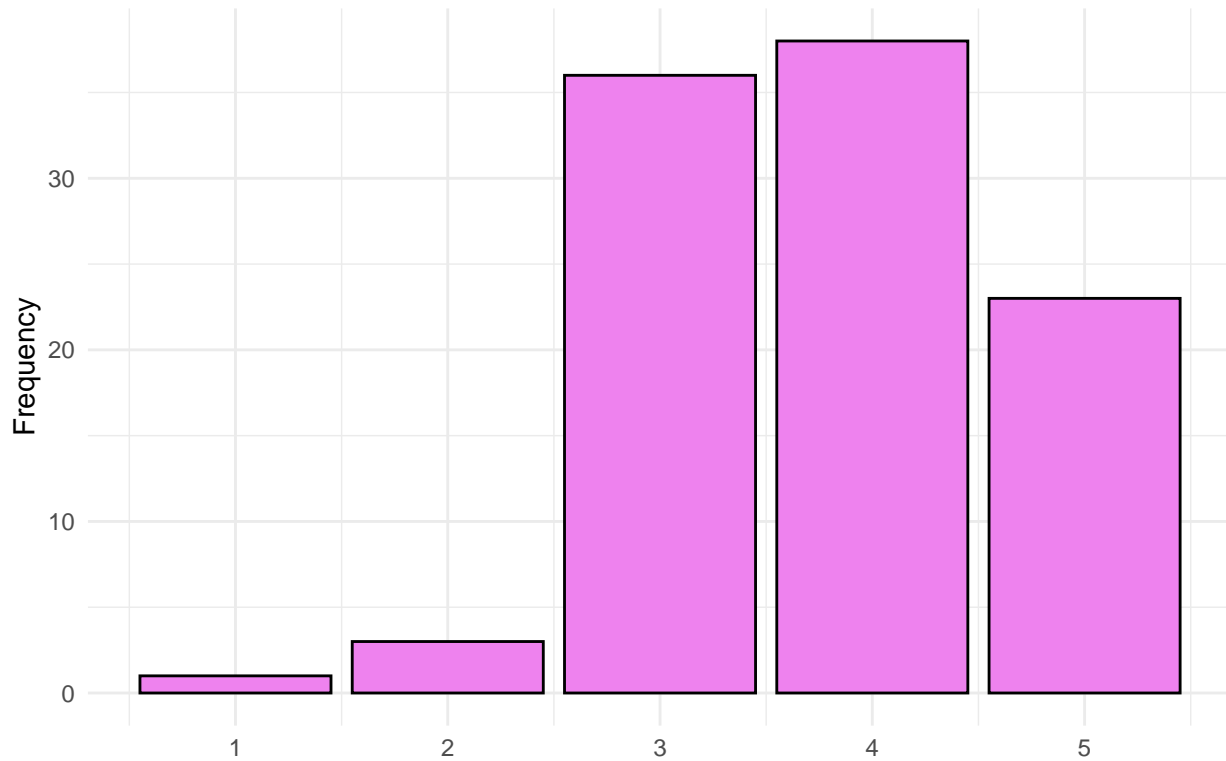

```r
# Calculate mean
mean_value9<- mean(Survey$If.you.had.a.lot.of.time.to.complete.a.task.using.Meta.Social.Media.Platforms

# Calculate standard deviation
sd_value9 <- sd(Survey$If.you.had.a.lot.of.time.to.complete.a.task.using.Meta.Social.Media.Platforms..h

# Print the mean and standard deviation
print(paste("Mean:", mean_value9))
```

```
## [1] "Mean: 3.78217821782178"
```

```r
print(paste("Standard Deviation:", sd_value9))
```

```
## [1] "Standard Deviation: 0.867225004206401"
```

```r
#How concerned are you about losing information by hitting the wrong key on Meta Social Media Platforms

LosingInformation <-Survey$How.concerned.are.you.about.losing.information.by.hitting.the.wrong.key.on.Me

ggplot(Survey, aes(x = LosingInformation)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "How concerned are you about losing information by hitting the wrong key",
       x = "", y = "Frequency") +
  theme_minimal()
```

How concerned are you about losing information by hitting the wrong key


```r
# Calculate mean
mean_value10<- mean(Survey$If.you.had.a.lot.of.time.to.complete.a.task.using.Meta.Social.Media.Platforms

# Calculate standard deviation
sd_value10 <- sd(Survey$If.you.had.a.lot.of.time.to.complete.a.task.using.Meta.Social.Media.Platforms..

# Print the mean and standard deviation
print(paste("Mean:", mean_value10))
```

```
## [1] "Mean: 3.78217821782178"
```
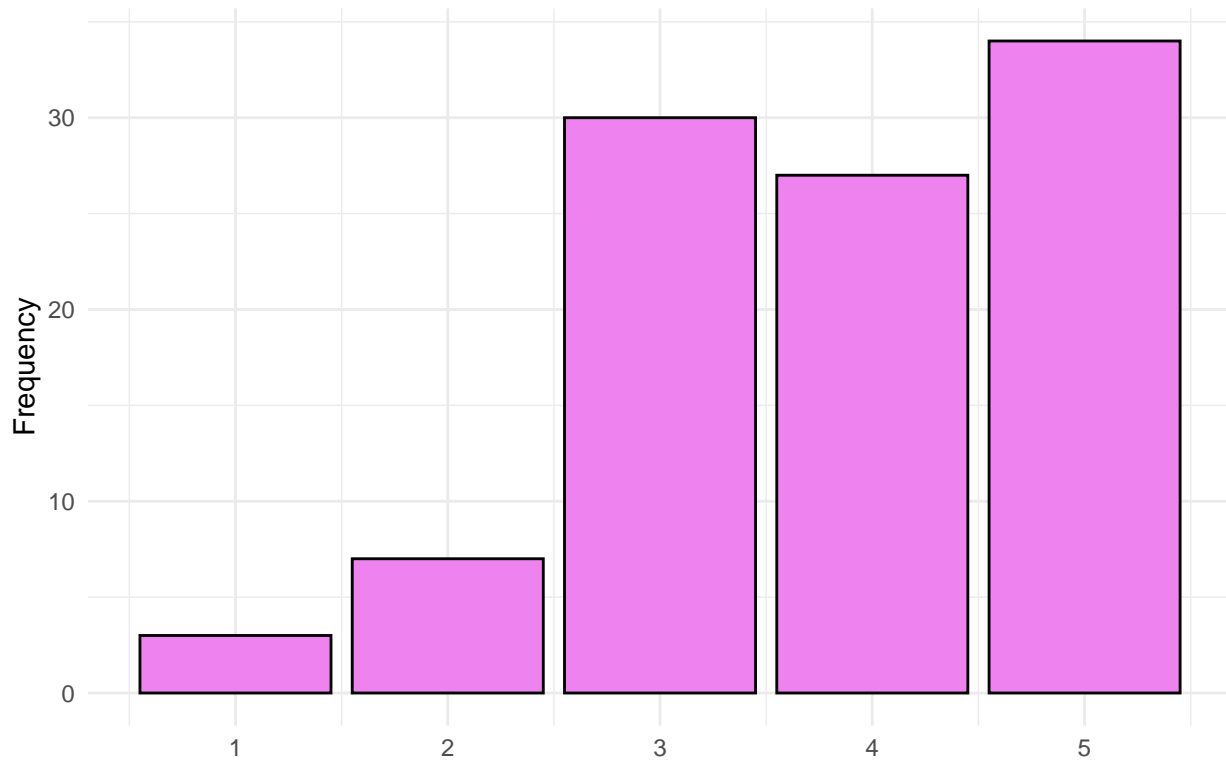
```r
print(paste("Standard Deviation:", sd_value10))
```

```
## [1] "Standard Deviation: 0.867225004206401"
```

```r
#How likely are you to use Meta Social Media Platforms in the next [n] months? Rate on a scale from 1 t
HowLikelyToUse <-Survey$How.likely.are.you.to.use.Meta.Social.Media.Platforms.in.the.next..n..months..Ra

ggplot(Survey, aes(x = HowLikelyToUse)) +
  geom_bar(fill = "violet", color = "black") +
  labs(title = "How concerned are you about losing information by hitting the wrong key",
       x = "", y = "Frequency") +
  theme_minimal()
```

How concerned are you about losing information by hitting the wrong key


```r
# Calculate mean
mean_value11<- mean(Survey$How.likely.are.you.to.use.Meta.Social.Media.Platforms.in.the.next..n..months

# Calculate standard deviation
sd_value11 <- sd(Survey$How.likely.are.you.to.use.Meta.Social.Media.Platforms.in.the.next..n..months..R

# Print the mean and standard deviation
print(paste("Mean:", mean_value11))
```
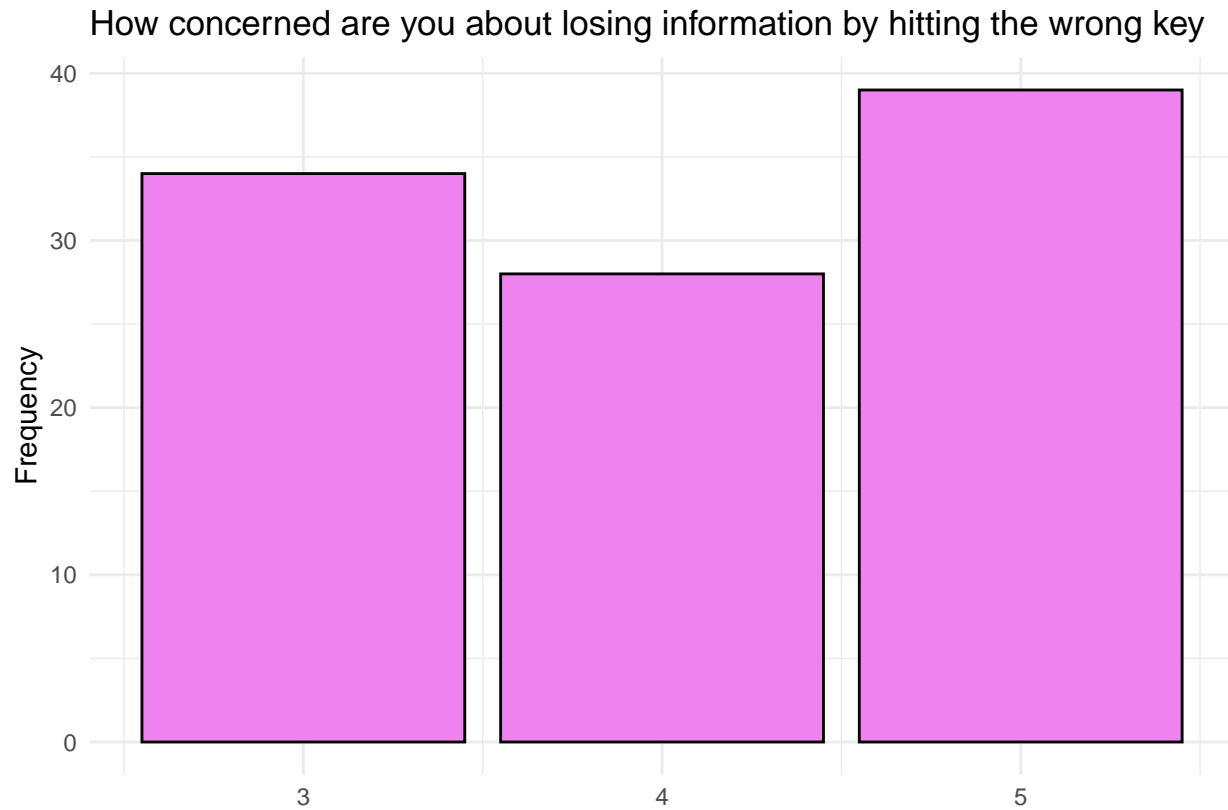
```
## [1] "Mean: 4.04950495049505"
```

```r
print(paste("Standard Deviation:", sd_value11))
```

```
## [1] "Standard Deviation: 0.852950615496142"
```

```r
library(dplyr)

# Calculate mean and standard deviation for each question
SummaryStats <- Survey %>%
  summarise(
    Mean_Q1 = mean(IfYouUseMetaSocialMediaPlatformsDoYouBelieveItWillIncreaseYourChancesOfAcademicSucces
    SD_Q1 = sd(IfYouUseMetaSocialMediaPlatformsDoYouBelieveItWillIncreaseYourChancesOfAcademicSuccess, n
    Mean_Q2 = mean(HowClearAndUnderstandableInteraction, na.rm = TRUE),
    SD_Q2 = sd(HowClearAndUnderstandableInteraction, na.rm = TRUE),
    Mean_Q3 = mean(DoYouFindItEasyToBecomeSkillful, na.rm = TRUE),
    SD_Q3 = sd(DoYouFindItEasyToBecomeSkillful, na.rm = TRUE),
    Mean_Q4 = mean(LearningToOperateMeta, na.rm = TRUE),
    SD_Q4 = sd(LearningToOperateMeta, na.rm = TRUE),
    Mean_Q5 = mean(HowMetaImpactsAcademic, na.rm = TRUE),
    SD_Q5 = sd(HowMetaImpactsAcademic, na.rm = TRUE),
```

```r
    Mean_Q6 = mean(WorkingWithMetaPlatformIsFun, na.rm = TRUE),
    SD_Q6 = sd(WorkingWithMetaPlatformIsFun, na.rm = TRUE),
    Mean_Q7 = mean(ImportantToTinkToUseMeta, na.rm = TRUE),
    SD_Q7 = sd(ImportantToTinkToUseMeta, na.rm = TRUE),
    Mean_Q8 = mean(CallSomeone, na.rm = TRUE),
    SD_Q8 = sd(CallSomeone, na.rm = TRUE),
    Mean_Q9 = mean(ConfidentCompleting, na.rm = TRUE),
    SD_Q9 = sd(ConfidentCompleting, na.rm = TRUE),
    Mean_Q10 = mean(LosingInformation, na.rm = TRUE),
    SD_Q10 = sd(LosingInformation, na.rm = TRUE),
    Mean_Q11 = mean(HowLikelyToUse, na.rm = TRUE),
    SD_Q11 = sd(HowLikelyToUse, na.rm = TRUE)
  )

# Create a new dataframe with summary statistics
Summary <- data.frame(Question = c("Q1", "Q2", "Q3", "Q4", "Q5", "Q6", "Q7", "Q8", "Q9", "Q10", "Q11"),
                      Mean = c(SummaryStats$Mean_Q1, SummaryStats$Mean_Q2, SummaryStats$Mean_Q3,
                               SummaryStats$Mean_Q4, SummaryStats$Mean_Q5, SummaryStats$Mean_Q6,
                               SummaryStats$Mean_Q7, SummaryStats$Mean_Q8, SummaryStats$Mean_Q9,
                               SummaryStats$Mean_Q10, SummaryStats$Mean_Q11),
                      SD = c(SummaryStats$SD_Q1, SummaryStats$SD_Q2, SummaryStats$SD_Q3,
                             SummaryStats$SD_Q4, SummaryStats$SD_Q5, SummaryStats$SD_Q6,
                             SummaryStats$SD_Q7, SummaryStats$SD_Q8, SummaryStats$SD_Q9,
                             SummaryStats$SD_Q10, SummaryStats$SD_Q11))

# Print the summary dataframe
print(Summary)
```

```
##    Question     Mean        SD
## 1        Q1 3.544554 0.9002750
## 2        Q2 3.831683 0.7357895
## 3        Q3 3.792079 0.7786762
## 4        Q4 4.019802 0.7871493
## 5        Q5 3.633663 0.8333399
## 6        Q6 3.762376 0.8384332
## 7        Q7 3.534653 0.9226522
## 8        Q8 3.009901 1.1704277
## 9        Q9 3.782178 0.8672250
## 10      Q10 3.811881 1.0743637
## 11      Q11 4.049505 0.8529506
```

```r
# Clean Age data
Survey$Age <- as.numeric(gsub("[^0-9]", "", Survey$Age))
Survey$Age[is.na(Survey$Age) | Survey$Age == ""] <- 0

# Clean Gender data and convert to lowercase
Survey$Gender <- tolower(trimws(Survey$Gender))
Survey$Gender[is.na(Survey$Gender) | Survey$Gender == ""] <- "Unknown"
Survey$Gender[Survey$Gender %in% c("m", "male")] <- "male"
Survey$Gender[Survey$Gender %in% c("f", "female")] <- "female"

# Selecting only Age and Gender columns
Cleaned <- Survey[, c("Age", "Gender")]
```

```r
# Save cleaned dataframe to CSV
write.csv(Cleaned, "Cleaned Demographics.csv", row.names = FALSE)

#Cleaned Info Demographics

## Clean Timestamp data (assuming it's in a format that needs cleaning)
Survey$Timestamp <- gsub("[^0-9:-]", "", Survey$Timestamp)  # Remove non-numeric characters except ":"
Survey$Timestamp[is.na(Survey$Timestamp) | Survey$Timestamp == ""] <- "1970-01-01 00:00:00"

# Clean Name data (if needed)
Survey$Name <- trimws(tolower(Survey$Name))  # Convert to lowercase and trim whitespace

# Clean Email Address data (if needed)
Survey$Email.Address <- tolower(Survey$Email.Address)  # Convert email addresses to lowercase

# Select the cleaned columns (Timestamp, Name, Email Address)
cleaned_data <- Survey[, c("Timestamp", "Name", "Email.Address")]

# Save cleaned dataframe to CSV
write.csv(cleaned_data, "Cleaned Demographics2.csv", row.names = FALSE)
```