R6-R7.R

91939

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```
setwd("C:/Users/91939/Desktop/1st-MCA/R")
std_data=read.csv("13-Influence of AI TOOLS on Student's Learning Process.csv", header=T)
#Dropping unwanted columns and cleaning the dataset
drop=c("Timestamp","Username","Any.Comments..Review")
std_data= std_data[,!(names(std_data) %in% drop)]
#change column_names
colnames(std_data)=c("ar","g","e","freq","access","sat_per","impt","recall","mot_ler","sat_info","sat",
str(std_data)
## 'data.frame':
                   158 obs. of 22 variables:
           : chr "18-24" "18-24" "18-24" "18-24" ...
## $ g
             : chr "Male" "Male" "Male" ...
            : chr "Postgraduate" "Postgraduate" "Postgraduate" "Undergraduate" ...
## $ e
## $ freq : chr "Strongly agree" "Agree" "Strongly agree" "Agree" ...
## $ access : chr "Strongly agree" "Agree" "Strongly agree" "Agree" ...
## $ sat_per : chr "Strongly agree" "Agree" "Strongly agree" "Strongly agree" ...
## $ impt : chr "Strongly Agree" "Agree" "Agree" "Neutral" ...
## $ recall : chr "Strongly Agree" "Agree" "Agree" "Agree" ...
                    "Strongly Agree" "Agree" "Neutral" "Neutral" ...
## $ mot_ler : chr
## $ sat_info: chr "Strongly Agree" "Agree" "Disagree" "Agree" ...
## $ sat
          : chr "Strongly Agree" "Agree" "Strongly Agree" "Agree" ...
                    "Strongly Agree" "Agree" "Strongly Agree" "Agree" ...
## $ anx
            : chr
## $ prcy : chr
                    "Neutral" "Agree" "Disagree" "Disagree" ...
## $ saw
            : chr "Agree" "Agree" "Neutral" "Agree" ...
## $ p att : chr
                    "Neutral" "Agree" "Agree" "Neutral" ...
## $ flex : chr
                    "Disagree" "Agree" "Disagree" "Agree" ...
## $ under : chr
                    "Agree" "Agree" "Strongly Disagree" "Agree" ...
## $ i_feed : chr "Strongly Agree" "Agree" "Disagree" "Agree" ...
                    "Strongly Agree" "Agree" "Strongly Agree" "Agree" ...
## $ m_obj : chr
                    "Strongly Agree" "Agree" "Strongly Agree" "Agree" ...
## $ p_alter : chr
## $ add_s : chr "Strongly Agree" "Agree" "Disagree" "Agree" ...
## $ l_exp : chr "Strongly Agree" "Agree" "Agree" "Agree" ...
summary(std_data)
##
        ar
                                             е
                                                              freq
                           g
```

Length: 158

Class :character

Length: 158

Class :character

Mode :character

Length:158

Mode :character Mode :character Mode :character

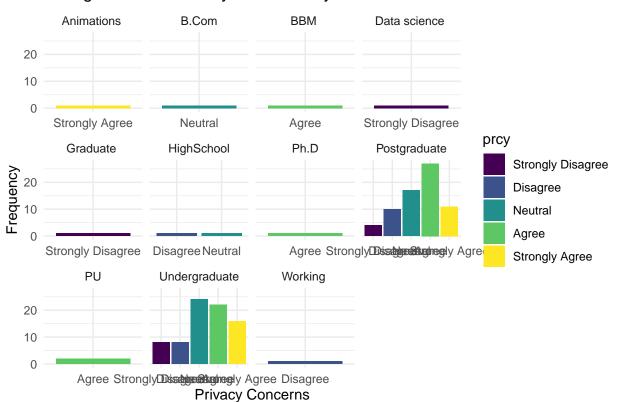
Class :character Class :character

Length:158

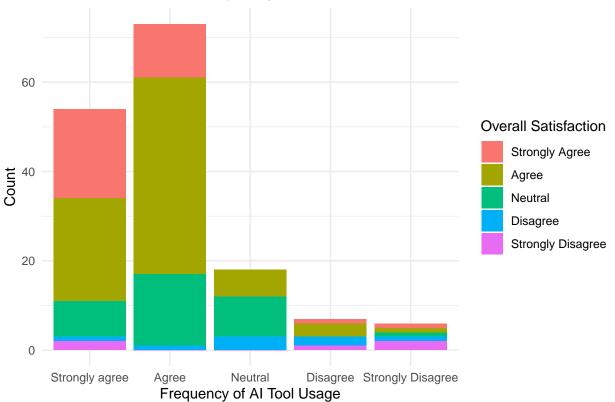
```
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                                        Class :character
                                                           Class : character
## Class :character Class :character
## Mode :character Mode :character
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       prcy
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## Class :character
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##
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## Length:158
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                                                           Length: 158
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## Class :character Class :character
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## Mode :character
                      Mode :character
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                                                           Mode :character
##
      add_s
                         1_{exp}
## Length:158
                      Length: 158
## Class :character Class :character
                      Mode :character
## Mode :character
ar=factor(std_data$ar)
g=factor(std_data$g)
e=factor(std_data$e)
\#Graph-1
library(ggplot2)
## Warning: package 'ggplot2' was built under R version 4.3.2
library(dplyr)
## Warning: package 'dplyr' was built under R version 4.3.2
##
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##
      filter, lag
## The following objects are masked from 'package:base':
##
##
      intersect, setdiff, setequal, union
std_data$prcy <- factor(std_data$prcy, ordered = TRUE,</pre>
                       levels = c("Strongly Disagree", "Disagree", "Neutral", "Agree", "Strongly Agree
ggplot(std_data, aes(x = prcy, fill = prcy)) +
 geom_bar(position = "stack") +
 facet wrap(~ e, scales = "free x") +
 labs(title = "Histogram of No Privacy Concerns by Education Level",
```

```
x = "Privacy Concerns",
y = "Frequency") +
theme_minimal()
```

Histogram of No Privacy Concerns by Education Level





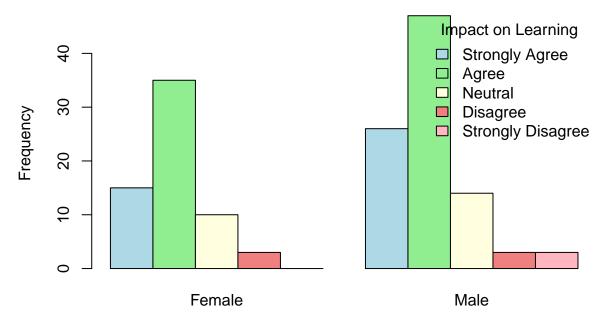


Warning: Removed 2 rows containing missing values ('geom_point()').

Jitter Dot Plot of Impact on Learning vs Meets Objectives



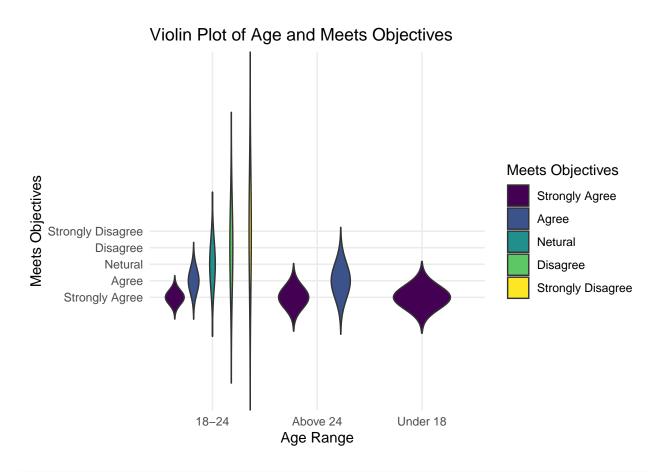
Comparison of Gender and Impact on Learning



Impact on Learning

NULL

- ## Warning: Groups with fewer than two data points have been dropped.
- ## Warning: Groups with fewer than two data points have been dropped.
- ## Groups with fewer than two data points have been dropped.
- ## Groups with fewer than two data points have been dropped.



#UNDERSTANDING THE GRAPH - 5

#Teenagers(Under-18) and above-24 aged people who use AI tools gets their responses which meets the obj
#For the people who are aged between 18-24 AI have met most of the objectives but still few people are