SurveyQuestionsPlotting

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```
library(ggplot2)
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
library(tidyr)
library(gridExtra)
## Attaching package: 'gridExtra'
## The following object is masked from 'package:dplyr':
##
##
       combine
# Read the data
data <- read.csv("survey.csv")</pre>
# Remove rows with missing values
cleaned_data <- na.omit(data)</pre>
# Calculate the total counts per choice for the desired column
column_counts <- cleaned_data %>%
  separate_rows(Have.you.used.any.of.these.music.streaming.platform.for.the.past.week...Can.select.mult
  group_by(Have.you.used.any.of.these.music.streaming.platform.for.the.past.week...Can.select.multiple.
  summarise(count = n())
# Bar graph for the total counts per choice
bar_another_column <- ggplot(column_counts, aes(x = Have.you.used.any.of.these.music.streaming.platform</pre>
  geom_bar(stat = "identity") +
  labs(title = "Total Counts per Choice for Another Column") +
  theme(axis.text.x = element_text(angle = 45, hjust = 1))
# Calculate the total device used for the desired column
column_device <- cleaned_data %>%
  separate_rows(What.device.are.you.using.for.streaming.music.online...Can.select.multiple., sep = ", "
  group_by(What.device.are.you.using.for.streaming.music.online...Can.select.multiple.) %>%
```

```
summarise(count = n())
# Bar graph for the total device used
bar_another_device <- ggplot(column_device, aes(x = What.device.are.you.using.for.streaming.music.onlin
  geom_bar(stat = "identity") +
  labs(title = "Device Used") +
 theme(axis.text.x = element_text(angle = 45, hjust = 1))
# Pie chart for age
pie_chart_age <- ggplot(cleaned_data, aes(x = "", fill = factor(Age))) +</pre>
  geom_bar(width = 1, position = "fill") +
 coord_polar(theta = "y") +
  scale_fill_brewer(palette = "Set3") +
 labs(title = "Age",
      fill = "Age") +
 theme_void() +
  theme(
   plot.title = element_text(hjust = 0.5)
# Pie chart for sex
pie_chart_sex <- ggplot(cleaned_data, aes(x = "", fill = factor(Sex))) +</pre>
  geom_bar(width = 1, position = "fill") +
  coord_polar(theta = "y") +
  scale fill brewer(palette = "Set3") +
 labs(title = "Sex",
      fill = "Sex") +
 theme_void() +
 theme(
   plot.title = element_text(hjust = 0.5)
# Pie chart for education level
pie_chart_education <- ggplot(cleaned_data, aes(x = "", fill = factor(Education_level))) +</pre>
  geom_bar(width = 1, position = "fill") +
  coord_polar(theta = "y") +
 scale_fill_brewer(palette = "Set3") +
 labs(title = "Education Level",
      fill = "Education Level") +
 theme void() +
  theme(
   plot.title = element_text(hjust = 0.5)
 )
```

Arrange the plots

grid.arrange(pie_chart_age, pie_chart_sex, pie_chart_education, bar_another_column, bar_another_device,



