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title: "assessment 1"

author: "Hamza 17F8075"

date: "12/8/2021"

output: word_document by

```{r setup, include=FALSE}

library(gtrendsR)

searched_data=gtrendsR::gtrends('machine learning')

```

R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```{r cars}

searched_country=searched_data$interest_by_country

searched_country

```

```{r cars}
```

```
na_removed=na.omit(searched_country)
#na_removed=searched_country[which(searched_country$hits!=NA),]
na_removed
```

```{r pressure}
top_10=head(na_removed,10)
top_10
```

```{r pressure}
library(ggplot2)
p<-ggplot(top_10, aes(x=location, y=hits, fill=location)) +
  geom_bar(stat="identity")+theme_minimal()
p
```

```{r pressure}
library(ggplot2)
library(dplyr)
library(plotly)
library(hrbrthemes)
#data <-
read.table("https://raw.githubusercontent.com/holtzy/data_to_viz/master/Example_dataset/3_TwoNumOrdered.csv", header=T)
#data$date <- as.Date(data$date)
```

#data

over_time=searched_data$interest_over_time

over_time

```

```{r pressure}

over_time %>%

  ggplot( aes(x=as.Date(date), y=hits)) +

    geom_line(color="#69b3a2") +

    ylim(0,110) +

    annotate(geom="text", x=as.Date("2017-01-01"), y=2089,

             label="Bitcoin price reached 20k $\nat the end of 2017") +

    annotate(geom="point", x=as.Date("2017-01-17"), y=2089, size=20, shape=21, fill="transparent") +

    geom_hline(yintercept=90, color="orange", size=.5) +

    theme_ipsum()

```

```{r}

ggplot(over_time, aes(x=as.Date(date), y=hits)) +

  geom_line() + scale_x_date(date_labels = "%b-%d-%Y")

```

```{r}

typeof(as.Date(over_time$date))

```
```

Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.