# FRED-EDA

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### Libraries

```
library(RCurl)
library(readxl)
library(dplyr)
library(ggplot2)
library(scales)
```

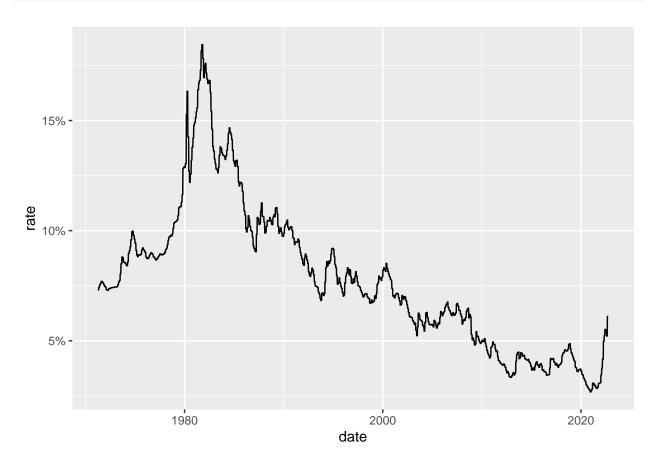
### Data

```
temp.file <- paste(tempfile(),".xls",sep = "")
download.file("https://fred.stlouisfed.org/graph/fredgraph.xls?bgcolor=%23e1e9f0&chart_type=line&drp=0&
mort30 <- read_excel(temp.file, skip = 10)
rm(temp.file)</pre>
```

# Wrangling

## Visuals

```
mort30%>%
   ggplot()+
   geom_line(aes(x=date,y=avg_monthly_rate/100))+
   scale_y_continuous(labels = scales::percent)+
   ylab("rate")
```



### **Barriers**

#### Visual with barriers

