

UNRATE

November 12, 2022

0.1 Unrate data

```
[4]: library("ggplot2")
      library("readxl")

      options(repr.plot.width=20, repr.plot.height=12)
```

```
[5]: data = read_xls("~/Documents/Datasets/unrate.xls")
      data = data.frame(data)

      head(data)
```

A data.frame: 6 × 5

	DATE <dtm>	UNRATEW <dbl>	UNRATEM <dbl>	UNRATEBLACK <dbl>	UNRATELATINO <dbl>
1	1948-01-01	3.3	3.4	NA	NA
2	1948-02-01	4.5	3.6	NA	NA
3	1948-03-01	4.4	3.8	NA	NA
4	1948-04-01	4.3	3.8	NA	NA
5	1948-05-01	3.7	3.5	NA	NA
6	1948-06-01	4.3	3.3	NA	NA

```
[6]: pvm = as.Date(data$DATE)
```

```
[7]: unrate= ggplot(data, aes(x=pvm)) +
      geom_line(aes(y=UNRATEW, col="UNRATEW")) +
      geom_line(aes(y=UNRATEM, col="UNRATEM")) +
      geom_line(aes(y=UNRATEBLACK, col="UNRATEBLACK")) +
      geom_line(aes(y=UNRATELATINO, col="UNRATELATINO")) +
      xlab("") +
      ylab("Unemployment rate") +
      scale_y_continuous(labels=scales::unit_format(unit="%"))+
      theme_linedraw()

unrate
```

Warning message:

"Removed 288 row(s) containing missing values (geom_path)."

Warning message:

"Removed 302 row(s) containing missing values (geom_path)."

