# Freddie - Example

#### Datasets

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## Preamble

```
rm(list = ls())
pklist <- c("tidyverse", "fredr", "lubridate")
source("https://fgeerolf.github.io/datasets/load-packages.R")</pre>
```

Set Fred Key here:

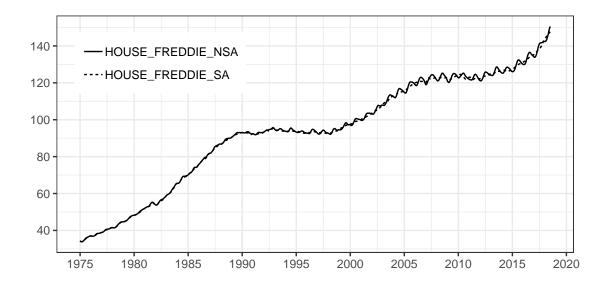
# Loading

```
load("freddie.mac.msa.RData")
```

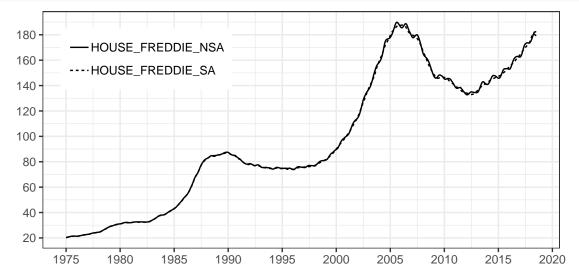
#### Plot

#### Rochester, New York

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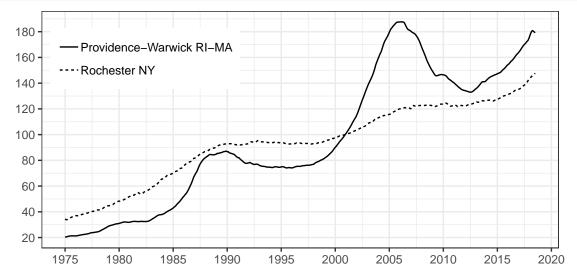


#### Providence-Warwick RI-MA

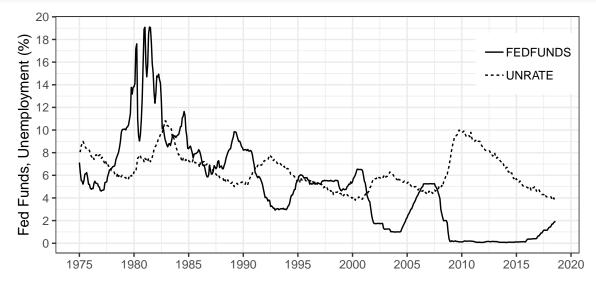


#### Compare Rochester and Providence

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# **Interest Rates and House Prices**



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### Computing Environment

```
Sys.time()
## [1] "2018-09-30 09:47:07 PDT"
sessionInfo()
## R version 3.5.1 (2018-07-02)
## Platform: x86_64-apple-darwin15.6.0 (64-bit)
## Running under: macOS High Sierra 10.13.6
##
## Matrix products: default
## BLAS: /Library/Frameworks/R.framework/Versions/3.5/Resources/lib/libRblas.0.dylib
## LAPACK: /Library/Frameworks/R.framework/Versions/3.5/Resources/lib/libRlapack.dylib
##
## locale:
## [1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
## attached base packages:
## [1] stats
                graphics grDevices utils
                                               datasets methods
                                                                   base
## other attached packages:
  [1] bindrcpp_0.2.2 lubridate_1.7.4 fredr_1.0.0
                                                        forcats_0.3.0
## [5] stringr_1.3.1
                                                        readr_1.1.1
                        dplyr_0.7.6
                                        purrr_0.2.5
## [9] tidyr_0.8.1
                        tibble_1.4.2
                                        ggplot2_3.0.0
                                                        tidyverse_1.2.1
##
## loaded via a namespace (and not attached):
## [1] Rcpp_0.12.18
                         cellranger_1.1.0 pillar_1.3.0
                                                           compiler_3.5.1
   [5] plyr_1.8.4
                         bindr_0.1.1
                                          tools_3.5.1
                                                           digest_0.6.15
##
## [9] jsonlite_1.5
                         evaluate_0.11
                                          nlme_3.1-137
                                                           gtable_0.2.0
## [13] lattice_0.20-35 pkgconfig_2.0.2
                                         rlang_0.2.2
                                                           cli_1.0.0
                         curl_3.2
                                                           haven_1.1.2
## [17] rstudioapi 0.7
                                          yaml_2.2.0
## [21] withr_2.1.2
                         xm12_1.2.0
                                          httr_1.3.1
                                                           knitr_1.20
                         rprojroot_1.3-2
## [25] hms_0.4.2
                                          grid_3.5.1
                                                           tidyselect_0.2.4
## [29] glue_1.3.0
                         R6_2.2.2
                                          readxl_1.1.0
                                                           rmarkdown_1.10
                         magrittr_1.5
                                                           scales_1.0.0
## [33] modelr_0.1.2
                                          backports_1.1.2
## [37] htmltools 0.3.6
                         rvest_0.3.2
                                          assertthat_0.2.0 colorspace_1.3-2
## [41] stringi_1.2.4
                                          munsell_0.5.0
                                                           broom_0.5.0
                         lazyeval_0.2.1
## [45] crayon_1.3.4
```