

# Zillow - Download

Datasets

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## Contents

<b>Introduction</b>	<b>1</b>
<b>Datasets</b>	<b>1</b>
County . . . . .	1
City . . . . .	2
Zipcode . . . . .	3
<b>Computing Environment</b>	<b>3</b>

## Introduction

```
rm(list = ls())
pklist <- c("tidyverse", "curl")
source("https://fgeerolf.github.io/datasets/load-packages.R")
options(tibble.print_max = 100)
```

An updated version of this note is available here: <https://fgeerolf.github.io/datasets/zillow-download.pdf>

## Datasets

Zillow

### County

```
url.zillow <- "http://files.zillowstatic.com/research/public/County/"

filename.list <- c("County_MedianValuePerSqft_AllHomes",
                  "County_ZriPerSqft_AllHomes",
                  "County_PriceToRentRatio_AllHomes",
                  "County_Zri_AllHomes",
                  "County_PriceToRentRatio_AllHomes",
                  "County_Zri_SingleFamilyResidenceRental",
                  "County_MedianRentalPrice_AllHomes",
                  "County_Zhvi_BottomTier",
                  "County_Zhvi_TopTier",
                  "County_Zhvi_Summary_AllHomes",
                  "Sale_Counts_Seas_Adj_County")

for (filename in filename.list){
  cat("Currently downloading:", filename, "\n")
}
```

```

curl_download(paste0(url.zillow, filename, ".csv"),
              paste0(filename, ".csv"),
              quiet = FALSE)
assign(filename, read.csv(paste0(filename, ".csv")))
unlink(paste0(filename, ".csv"))
}

## Currently downloading: County_MedianValuePerSqft_AllHomes
## Currently downloading: County_ZriPerSqft_AllHomes
## Currently downloading: County_PriceToRentRatio_AllHomes
## Currently downloading: County_Zri_AllHomes
## Currently downloading: County_PriceToRentRatio_AllHomes
## Currently downloading: County_Zri_SingleFamilyResidenceRental
## Currently downloading: County_MedianRentalPrice_AllHomes
## Currently downloading: County_Zhvi_BottomTier
## Currently downloading: County_Zhvi_TopTier
## Currently downloading: County_Zhvi_Summary_AllHomes
## Currently downloading: Sale_Counts_Seas_Adj_County

```

## City

```

url.zillow <- "http://files.zillowstatic.com/research/public/City/"

filename.list <- c("City_MedianValuePerSqft_AllHomes",
                  "City_ZriPerSqft_AllHomes",
                  "City_PriceToRentRatio_AllHomes",
                  "City_Zri_AllHomes",
                  "City_PriceToRentRatio_AllHomes",
                  "City_Zri_SingleFamilyResidenceRental",
                  "City_MedianRentalPrice_AllHomes",
                  "City_Zhvi_BottomTier",
                  "City_Zhvi_TopTier",
                  "City_Zhvi_Summary_AllHomes",
                  "Sale_Counts_Seas_Adj_City")

for (filename in filename.list){
  cat("Currently downloading:", filename, "\n")
  curl_download(paste0(url.zillow, filename, ".csv"),
                paste0(filename, ".csv"),
                quiet = FALSE)
  assign(filename, read.csv(paste0(filename, ".csv")))
  unlink(paste0(filename, ".csv"))
}

## Currently downloading: City_MedianValuePerSqft_AllHomes
## Currently downloading: City_ZriPerSqft_AllHomes
## Currently downloading: City_PriceToRentRatio_AllHomes
## Currently downloading: City_Zri_AllHomes
## Currently downloading: City_PriceToRentRatio_AllHomes
## Currently downloading: City_Zri_SingleFamilyResidenceRental
## Currently downloading: City_MedianRentalPrice_AllHomes
## Currently downloading: City_Zhvi_BottomTier
## Currently downloading: City_Zhvi_TopTier

```

```
## Currently downloading: City_Zhvi_Summary_AllHomes
## Currently downloading: Sale_Counts_Seas_Adj_City
```

## Zipcode

```
type <- "Zip"
url.zillow <- "http://files.zillowstatic.com/research/public/Zip/"

file.list <- c("MedianValuePerSqft_AllHomes",
              "ZriPerSqft_AllHomes",
              "PriceToRentRatio_AllHomes",
              "Zri_AllHomes",
              "PriceToRentRatio_AllHomes",
              "Zri_SingleFamilyResidenceRental",
              "MedianRentalPrice_AllHomes",
              "Zhvi_BottomTier",
              "Zhvi_TopTier",
              "Zhvi_Summary_AllHomes")

filename.list <- paste(type, file.list, sep = "_")

for (filename in filename.list){
  cat("Currently downloading:", filename, "\n")
  curl_download(paste0(url.zillow, filename, ".csv"),
                paste0(filename, ".csv"),
                quiet = FALSE)
  assign(filename, read.csv(paste0(filename, ".csv")))
  unlink(paste0(filename, ".csv"))
}
```

```
## Currently downloading: Zip_MedianValuePerSqft_AllHomes
## Currently downloading: Zip_ZriPerSqft_AllHomes
## Currently downloading: Zip_PriceToRentRatio_AllHomes
## Currently downloading: Zip_Zri_AllHomes
## Currently downloading: Zip_PriceToRentRatio_AllHomes
## Currently downloading: Zip_Zri_SingleFamilyResidenceRental
## Currently downloading: Zip_MedianRentalPrice_AllHomes
## Currently downloading: Zip_Zhvi_BottomTier
## Currently downloading: Zip_Zhvi_TopTier
## Currently downloading: Zip_Zhvi_Summary_AllHomes
```

## Computing Environment

```
Sys.time()
```

```
## [1] "2018-09-23 22:39:46 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] curl_3.2          forcats_0.3.0    stringr_1.3.1    dplyr_0.7.6
## [5] purrr_0.2.5       readr_1.1.1      tidyr_0.8.1      tibble_1.4.2
## [9] 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] lubridate_1.7.4   jsonlite_1.5     evaluate_0.11     nlme_3.1-137
## [13] gtable_0.2.0      lattice_0.20-35  pkgconfig_2.0.2   rlang_0.2.2
## [17] cli_1.0.0         rstudioapi_0.7   yaml_2.2.0        haven_1.1.2
## [21] bindrcpp_0.2.2    withr_2.1.2      xml2_1.2.0        httr_1.3.1
## [25] knitr_1.20        hms_0.4.2        rprojroot_1.3-2   grid_3.5.1
## [29] tidyselect_0.2.4  glue_1.3.0       R6_2.2.2          readxl_1.1.0
## [33] rmarkdown_1.10    modelr_0.1.2     magrittr_1.5      backports_1.1.2
## [37] scales_1.0.0      htmltools_0.3.6  rvest_0.3.2       assertthat_0.2.0
## [41] colorspace_1.3-2  stringi_1.2.4    lazyeval_0.2.1    munsell_0.5.0
## [45] broom_0.5.0       crayon_1.3.4

```