

# Codice R

Home sales prices

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## Codice R riproducibile

Includere **solo** il codice indispensabile per ottenere la previsione finale.

```
library(readr)
library(tidymodels)
PATH <- "https://raw.githubusercontent.com/aldosolari/DM/master/docs/HomePrices/"
train = read_csv2(paste0(PATH,"home_prices_train.csv"))
test = read_csv2(paste0(PATH,"home_prices_test.csv"))
fit <- linear_reg() %>% set_engine("lm") %>% fit(price ~ ., data = train)
yhat <- predict(fit, new_data = test) %>% print(n=5)

## # A tibble: 4,320 x 1
##   .pred
##   <dbl>
## 1  5.40
## 2  6.26
## 3  5.53
## 4  5.72
## 5  5.63
## # ... with 4,315 more rows

# scrittura file .TXT
# write.table(file="2575.txt", yhat$.pred, row.names = FALSE, col.names = FALSE)
```

## sessionInfo()

```
## R version 4.0.4 (2021-02-15)
## Platform: x86_64-apple-darwin17.0 (64-bit)
## Running under: macOS Big Sur 10.16
##
## Matrix products: default
## BLAS: /Library/Frameworks/R.framework/Versions/4.0/Resources/lib/libRblas.dylib
## LAPACK: /Library/Frameworks/R.framework/Versions/4.0/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] yardstick_0.0.8 workflows_0.2.1 tune_0.1.2      tidyr_1.1.3
## [5] tibble_3.1.3    rsample_0.0.8    recipes_0.1.15 purrr_0.3.4
## [9] parsnip_0.1.4    modeldata_0.1.0 infer_0.5.3      ggplot2_3.3.3
## [13] dplyr_1.0.5      dials_0.0.9      scales_1.1.1    broom_0.7.6
## [17] tidymodels_0.1.2 readr_1.4.0
##
## loaded via a namespace (and not attached):
## [1] splines_4.0.4      foreach_1.5.1      prodlim_2019.11.13 assertthat_0.2.1
## [5] GPfit_1.0-8        yaml_2.2.1         globals_0.14.0     ipred_0.9-9
## [9] pillar_1.6.2       backports_1.2.1    lattice_0.20-41     glue_1.4.2
## [13] pROC_1.16.2        digest_0.6.27      colorspace_2.0-0    htmltools_0.5.1.1
## [17] Matrix_1.3-2       plyr_1.8.6         timeDate_3043.102   pkgconfig_2.0.3
## [21] lhs_1.1.1          DiceDesign_1.8-1   listenv_0.8.0       gower_0.2.2
## [25] lava_1.6.8.1       generics_0.1.0     ellipsis_0.3.2      withr_2.4.2
## [29] furrr_0.2.1        nnet_7.3-15        cli_3.0.1           survival_3.2-7
## [33] magrittr_2.0.1     crayon_1.4.1       evaluate_0.14       future_1.21.0
## [37] fansi_0.5.0        parallelly_1.22.0 MASS_7.3-53         class_7.3-18
## [41] tools_4.0.4        hms_1.0.0          lifecycle_1.0.0     stringr_1.4.0
## [45] munsell_0.5.0      compiler_4.0.4     rlang_0.4.11        grid_4.0.4
## [49] iterators_1.0.13   rstudioapi_0.13    rmarkdown_2.10      gtable_0.3.0
## [53] codetools_0.2-18   curl_4.3.2         DBI_1.1.1           R6_2.5.1
## [57] lubridate_1.7.10   knitr_1.33         utf8_1.2.2          stringi_1.7.3
## [61] parallel_4.0.4     Rcpp_1.0.7         vctrs_0.3.8         rpart_4.1-15
## [65] tidyselect_1.1.0   xfun_0.25
```