Assignment7_week8

Ghanta, Madhavi

2023-05-09

```
# View the summary of your model
summary(earn_lm)
##
## Call:
## lm(formula = earn ~ race + age + ed + sex + height, data = heights_df)
##
## Residuals:
##
     Min
             1Q Median
                           3Q
                                 Max
## -39423 -9827 -2208
                         6157 158723
##
## Coefficients:
##
               Estimate Std. Error t value Pr(>|t|)
## (Intercept) -41478.4 12409.4 -3.342 0.000856 ***
                          2685.2 -0.527 0.598507
## racehispanic -1414.3
## raceother
                  371.0
                            3837.0 0.097 0.922983
## racewhite
                 2432.5
                            1723.9
                                   1.411 0.158489
                 178.3
                              32.2
                                   5.537 3.78e-08 ***
## age
## ed
                 2768.4
                            209.9 13.190 < 2e-16 ***
                10325.6
                            1424.5
                                   7.249 7.57e-13 ***
## sexmale
## height
                  202.5
                             185.6
                                   1.091 0.275420
## ---
## Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' 1
## Residual standard error: 17250 on 1184 degrees of freedom
## Multiple R-squared: 0.2199, Adjusted R-squared: 0.2153
## F-statistic: 47.68 on 7 and 1184 DF, p-value: < 2.2e-16
mean_earn
## [1] 23154.77
sst
## [1] 451591883937
```

[1] 99302918657

```
##
      [1]
          11333.890941
                          31140.911188
                                          6698.099079
                                                       17810.164851
                                                                      23192.609973
##
      [6] -11154.599443
                          13604.930235
                                        -9263.321847 -25288.836877
                                                                       3238.413948
##
     [11] -34707.558926
                           8431.415457 -10992.711766
                                                       -4515.869768
                                                                      -2783.485318
##
     [16] -11560.980665
                          21278.601782
                                        14792.164289
                                                       -7544.315052
                                                                      27127.790515
##
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                          -2216.202925 -22071.699892
                                                       25242.760836
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                                                                      12333.550089
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                                                         4688.275674
                                                                       2932.577058
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                                         -1608.481840
                                                       -5242.623862 -18777.168420
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```

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