Example 5-2

September 12, 2020

t test of coefficients:

```
Estimate Std. Error t value Pr(>|t|)
(Intercept) 9.7565e+00 1.7358e-01 56.2084 < 2.2e-16 ***
           -1.1865e-02 2.8547e-03 -4.1564 3.813e-05 ***
crim
            8.0307e-05 3.8941e-04 0.2062 0.836699
zn
indus
            2.4069e-04 1.8384e-03 0.1309 0.895890
            9.1384e-02 3.7108e-02 2.4627 0.014133 *
chasyes
           -6.3817e-03 1.2564e-03 -5.0792 5.389e-07 ***
nox
            6.3325e-03 2.1095e-03 3.0020 0.002819 **
rm
           8.9802e-05 6.0736e-04 0.1479 0.882517
age
dis
           -1.9131e-01 4.0777e-02 -4.6916 3.518e-06 ***
rad
           9.5711e-02 2.0315e-02 4.7112 3.208e-06 ***
           -4.2042e-04 1.1706e-04 -3.5913 0.000362 ***
tax
ptratio
           -3.1119e-02 4.1652e-03 -7.4713 3.653e-13 ***
           3.6379e-01 1.5438e-01 2.3565 0.018839 *
blacks
           -3.7105e-01 3.9362e-02 -9.4264 < 2.2e-16 ***
lstat
```

```
Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
```

| | Coefficient | p-values, HC | p-val., cluster |
|-----------------------|-------------|--------------|-----------------|
| (Intercept) | 9.756 | 0.000 | 0.000 |
| crim | -0.012 | 0.000 | 0.000 |
| zn | 0.000 | 0.837 | 0.882 |
| indus | 0.000 | 0.896 | 0.933 |
| chasyes | 0.091 | 0.014 | 0.064 |
| nox | -0.006 | 0.000 | 0.003 |
| m rm | 0.006 | 0.003 | 0.090 |
| age | 0.000 | 0.883 | 0.914 |
| dis | -0.191 | 0.000 | 0.004 |
| rad | 0.096 | 0.000 | 0.000 |
| tax | 0.000 | 0.000 | 0.005 |
| ptratio | -0.031 | 0.000 | 0.000 |
| blacks | 0.364 | 0.019 | 0.235 |
| lstat | -0.371 | 0.000 | 0.000 |