



18.0
MP-Parallel Edition

Statistics and Data Science

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Notes:

1. Unicode is supported; see [help unicode advice](#).
2. More than 2 billion observations are allowed; see [help obs advice](#).
3. Maximum number of variables is set to 5,000 but can be increased; see [help set maxvar](#).

Running C:\Program Files\Stata18\profile.do ...

```
1 . use "\\apporto.com\dfs\UCI\Users\kianaes_uci\Downloads\Final Project Stata NEW
> .dta"

2 . do "C:\Users\KIANA~1\AppData\Local\Temp\29\STD1118_000000.tmp"

3 . regress sellingprice squarefootageofhouse ageinyears bathrooms rooms squarefoo
> tagelot distancetointerstatefeet distancetoCBDfeet zone0 zone1 zone2 zone3 zon
> e4 zone5 year2021, robust
```

Linear regression	Number of obs	=	320
	F(14, 305)	=	76.74
	Prob > F	=	0.0000
	R-squared	=	0.7491
	Root MSE	=	1.9e+05

sellingprice	Coefficient	Robust std. err.	t	P> t	[95% conf. interval]	
squarefootae	155.9583	36.66976	4.25	0.000	83.80059	228.1161
ageinyears	-1701.449	523.0339	-3.25	0.001	-2730.661	-672.2377
bathrooms	159740.6	27392.42	5.83	0.000	105838.6	213642.7
rooms	15375.92	6269.877	2.45	0.015	3038.233	27713.61
squarefootae~t	.1015646	.2196759	0.46	0.644	-.3307075	.5338367
distancetoi~t	3.217733	2.110085	1.52	0.128	-.9344351	7.3699
distancetoC~t	-.6104521	.0581347	-10.50	0.000	-.7248479	-.4960563
zone0	67676.61	47219.19	1.43	0.153	-25240	160593.2
zone1	37617.85	74584.57	0.50	0.614	-109147.6	184383.3
zone2	-3101.366	42626.24	-0.07	0.942	-86980.1	80777.37
zone3	-91054.59	54923.97	-1.66	0.098	-199132.5	17023.29
zone4	-27641.59	60309.07	-0.46	0.647	-146316.1	91032.93
zone5	-61820.5	46846.87	-1.32	0.188	-154004.5	30363.47
year2021	-343077.1	22522.01	-15.23	0.000	-387395.2	-298758.9
_cons	256928.5	86949.29	2.95	0.003	85832.07	428024.9

```

4 .
  end of do-file

5 . do "C:\Users\KIANAE~1\AppData\Local\Temp\29\STD1118_000000.tmp"

6 . di e(r2_a)
  .73760175

7 .
  end of do-file

8 . do "C:\Users\KIANAE~1\AppData\Local\Temp\29\STD1118_000000.tmp"

9 . regress sellingprice ageinyears distancetoCBDfeet ageCBD

```

Source	SS	df	MS	Number of obs	=	320
Model	7.6343e+12	3	2.5448e+12	F(3, 316)	=	21.08
Residual	3.8151e+13	316	1.2073e+11	Prob > F	=	0.0000
				R-squared	=	0.1667
				Adj R-squared	=	0.1588
Total	4.5785e+13	319	1.4353e+11	Root MSE	=	3.5e+05

sellingprice	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
ageinyears	-7973.637	1039.226	-7.67	0.000	-10018.31	-5928.961
distancetoC~t	-2.043132	.6668489	-3.06	0.002	-3.355157	-.731107
ageCBD	.3800291	.0625873	6.07	0.000	.2568886	.5031697
_cons	1008824	26433.97	38.16	0.000	956814.7	1060832

```

10 .
  end of do-file

```

```

11 .

```