tables

Jaylin Lowe

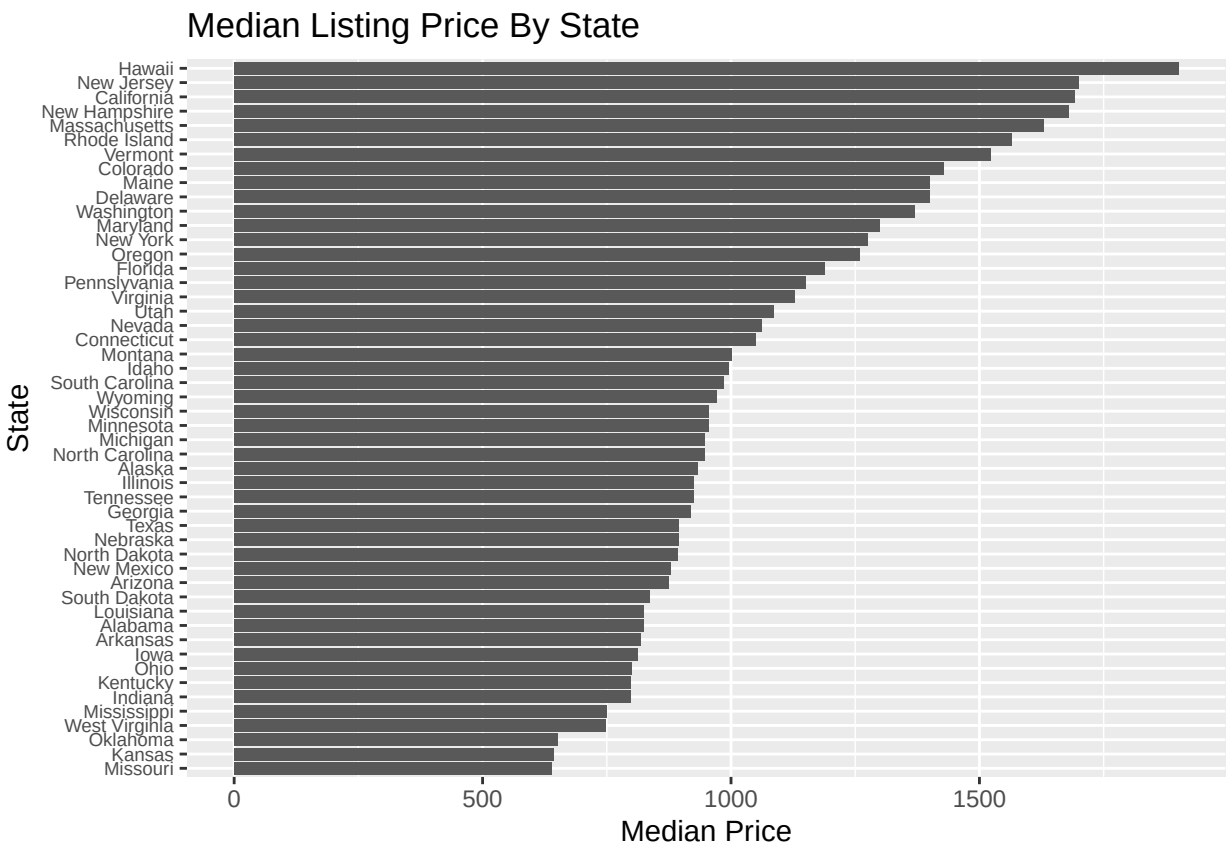
6/6/2020

```
## Warning: Missing column names filled in: 'X1' [1]

## Warning: Duplicated column names deduplicated: 'X1' => 'X1_1' [2]

## Parsed with column specification:
## cols(
##   .default = col_double(),
##   type = col_character(),
##   state = col_character(),
##   `State Name` = col_character(),
##   Governor = col_character()
## )

## See spec(...) for full column specifications.
```



Variable	Minimum	1st Quartile	Median	Mean	3rd Quartile	Max	SD
Price	25.00	800.00	1005.00	1138.00	1350.00	4845.00	509.53
Log(Price)	3.23	6.69	6. 92	6.95	7.21	8.49	0.42
Bedrooms	0.00	1.00	2.00	1.72	2.00	5.00	0.75
Bathrooms	0.00	1.00	1.00	1.42	2.00	4.50	0.55
Square Footage	25.00	724.80	900.00	913.10	1063.20	5600.00	296.02
Median Income	44097.00	55462.00	59995.00	61738.00	70315.00	83242.00	9275.55
Population Density	1.01	88.05	156.24	186.24	241.38	1018.25	166.54
Tax Rate	0.32	0.77	1.02	1.17	1.61	2.31	0.53

Level 1: $E(\log(\text{Price})_{i,j}) = a_i + \beta_0 \text{scale}(\text{sqfeet})_{i,j} + \beta_1 \text{beds}_{i,j} + \beta_2 \text{baths}_{i,j} + \beta_3 \text{petsAllowed}_{i,j} + \beta_4 \text{smokingAllowed} + \epsilon_{i,j}$
Level 2: $a_i = \alpha_0 + \alpha_1 \text{scale}(\text{MedianIncome})_i + \alpha_2 \text{Governor}_i + \alpha_3 \text{PopDensity}_i + \alpha_4 \text{TaxRate}_i + u_i$
where $\epsilon \sim N(0, \sigma^2)$ and $u_i \sim N(0, {\sigma_b}^2)$

Parameter	Estimate	Standard Error	T Value
α_0	6.961	0.0690	100.938
α_1	0.159	0.023	6.771
α_2	-0.108	0.044	-2.451
α_3	0.0003	0.0001	2.425
α_4	-0.101	0.047	-2.150
β_0	0.132	0.011	12.490
β_1	-0.064	0.014	-4.472
β_2	0.114	0.018	6.39
β_3	0.093	0.016	5.813
β_4	-0.041	0.017	-2.392