

Wyzant Pricing Analysis: R Tutors

Robert Schnitman

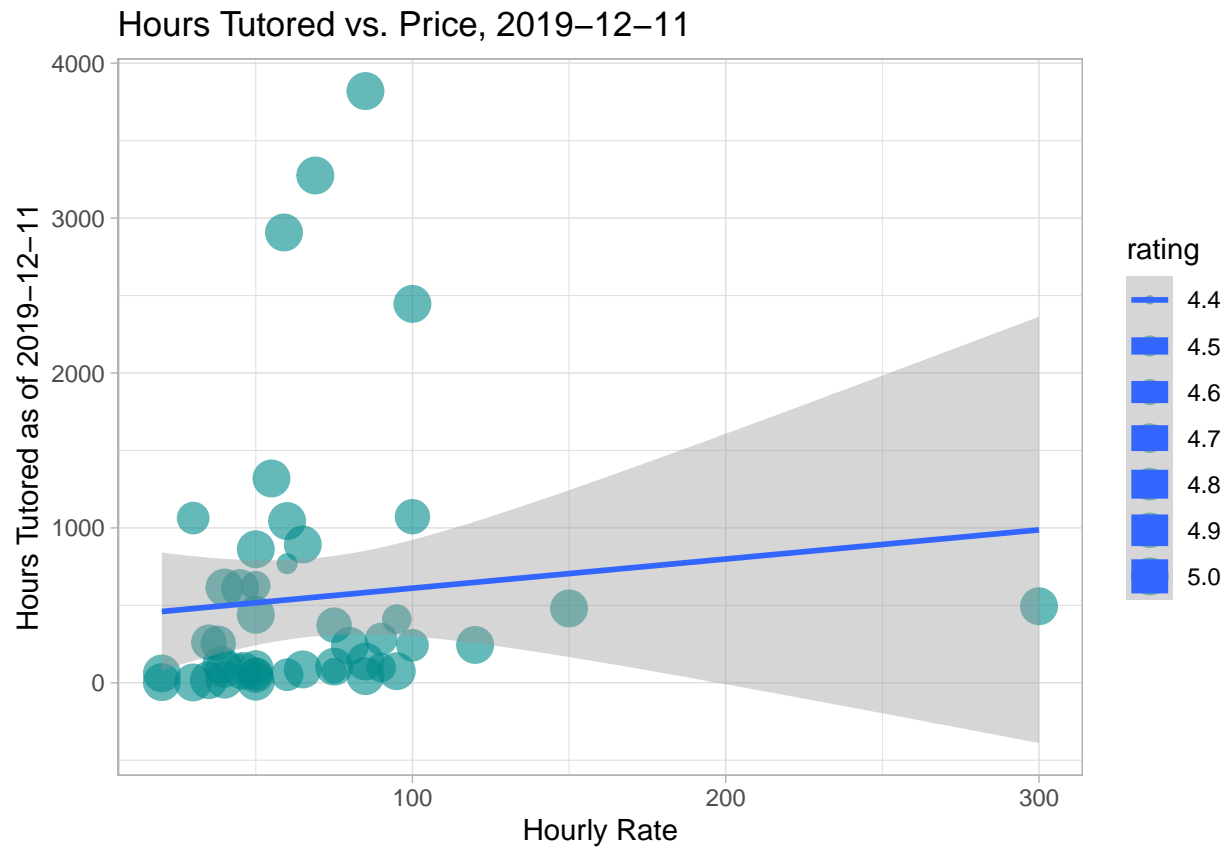
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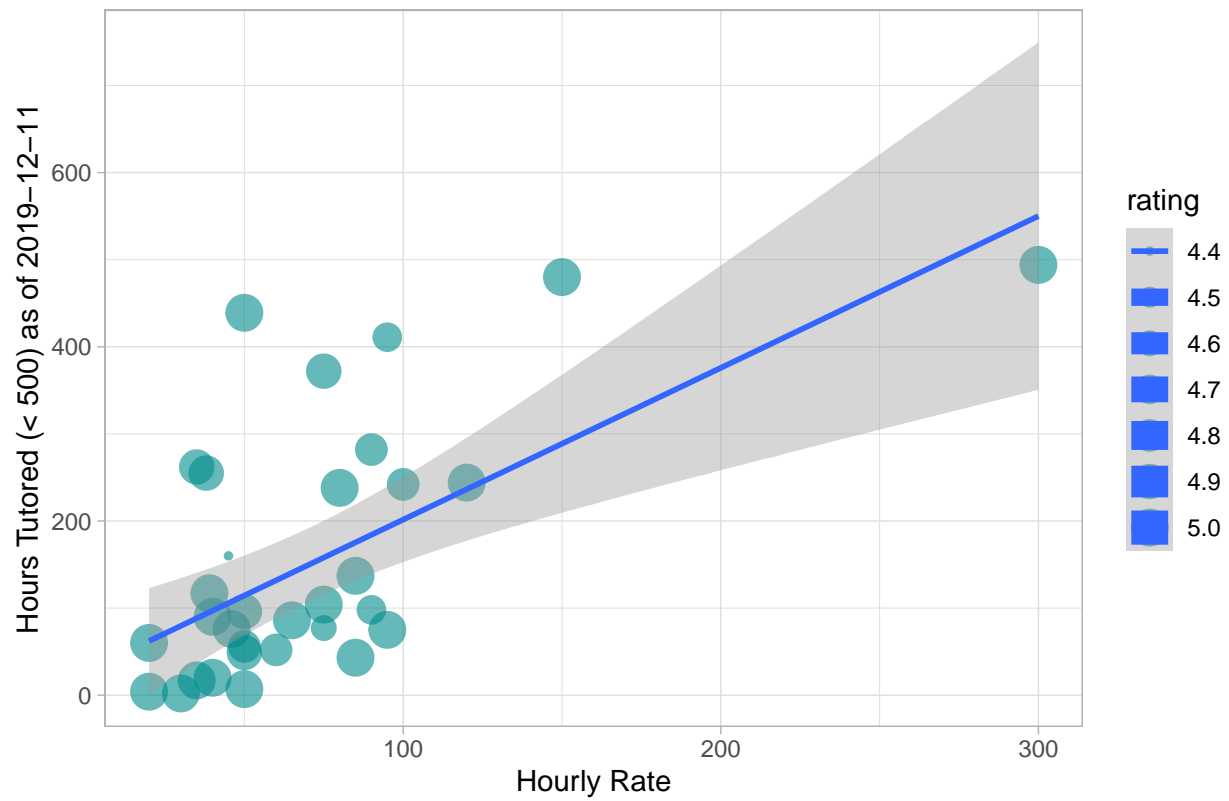
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Data Overview

##	Min.Price	1st Qu.Price	MedianPrice	MeanPrice	3rd Qu.Price	Max.Price
##	20.00	45.00	59.50	68.02	85.00	300.00



Hours Tutored (< 500) vs. Price, 2019–12–11



Modeling

$$Model_1 : price = \alpha_0 + \alpha_1 Rating + \alpha_2 NumberofRatings + \alpha_3 HoursTutored + \alpha_4 CollegeLevel$$

$$Model_2 : HoursTutored = \beta_0 + \beta_1 Price + \beta_2 Rating + \beta_3 NumberofRatings + \beta_4 CollegeLevel$$

$$Model_3 : \log(price) = \gamma_0 + \gamma_1 \log(Rating) + \gamma_2 \log(NumberofRatings) + \gamma_3 \log(HoursTutored) + \gamma_4 CollegeLevel$$

$$Model_4 : \log(HoursTutored) = \delta_0 + \delta_1 \log(Price) + \delta_2 \log(Rating) + \delta_3 \log(NumberofRatings) + \delta_4 CollegeLevel$$

% Table created by stargazer v.5.2.2 by Marek Hlavac, Harvard University. E-mail: hlavac at fas.harvard.edu
 % Date and time: Thu, Dec 12, 2019 - 1:15:51 PM

Table 1:

	<i>Dependent variable:</i>			
	price (1)	hours_tutored (2)	price (3)	hours_tutored (4)
price		3.658** (1.566)		0.391** (0.149)
rating	-6.646 (27.822)	-19.911 (297.172)	80.238 (165.873)	143.092 (168.447)
number_of_ratings	-0.101** (0.050)	3.397*** (0.179)	-0.313* (0.161)	1.051*** (0.043)
hours_tutored	0.032** (0.014)		0.375** (0.143)	
level_college				
ratingsq			-25.862 (53.085)	-45.988 (53.907)
Constant	94.839 (136.207)	-143.282 (1,462.326)	-58.763 (129.490)	-111.982 (131.446)
Observations	45	45	45	45
R ²	0.124	0.904	0.253	0.947
Adjusted R ²	0.059	0.897	0.178	0.942
Residual Std. Error	26.602 (df = 41)	283.962 (df = 41)	0.404 (df = 40)	0.412 (df = 40)
F Statistic	1.926 (df = 3; 41)	128.531*** (df = 3; 41)	3.390** (df = 4; 40)	179.462*** (df = 4; 40)

Note:

*p<0.1; **p<0.05; ***p<0.01

Models 3 and 4 have been log-transformed (except for CollegeLevel)