Problem Set 7

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1 Questions

1. Tell me about the progress you've made on your project. What data are you using? What kinds of modeling approaches do you think you're going to take?

   (a) I'm not entirely sure where I'm going with this project, but right now I'm investigating NFL performance data and am looking into how/if various college performance data metrics show a relationship with overall NFL performance. In a way, this is a continuation of my investigation into QB Hand size I did in econometrics. I'm not sure this will be my final topic, but I've done some good work with the data so far.

	Unique (#)	Missing (%)	Mean	SD	Min	Median	Max
logwage	670	25	1.6	0.4	0.0	1.7	2.3
hgc	16	0	13.1	2.5	0.0	12.0	18.0
tenure	259	0	6.0	5.5	0.0	3.8	25.9
age	13	0	39.2	3.1	34.0	39.0	46.0
tenure_sq	259	0	66.0	102.5	0.0	14.1	671.7

	Model 1	Model 2	Model 3	Model 4
(Intercept)	0.639***	0.833***	0.639***	0.793***
	(0.146)	(0.115)	(0.111)	(0.150)
hgc	0.062***	0.049***	0.062***	0.056***
	(0.005)	(0.004)	(0.004)	(0.006)
collegenot college grad	0.146***	0.160***	0.146***	0.092*
	(0.035)	(0.026)	(0.025)	(0.036)
tenure	0.023***	0.015***	0.023***	0.023***
	(0.002)	(0.001)	(0.001)	(0.001)
age	-0.001	-0.001	-0.001	-0.002
	(0.003)	(0.002)	(0.002)	(0.003)
marriedsingle	-0.024	-0.029*	-0.024+	-0.022
	(0.018)	(0.014)	(0.013)	(0.016)
Num.Obs.	1669	2229	2229	
R2	0.195	0.132	0.268	
R2 Adj.	0.192	0.130	0.266	
AIC	1206.1	1129.3	961.2	
BIC	1244.0	1169.3	1001.1	
Log.Lik.	-596.049	-557.651	-473.584	
F	80.508	67.496	162.884	
RMSE	0.35	0.31	0.30	

+ $p < 0.1$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$