

Building a Student Intervention System: An Udacity Nanodegree ML Project

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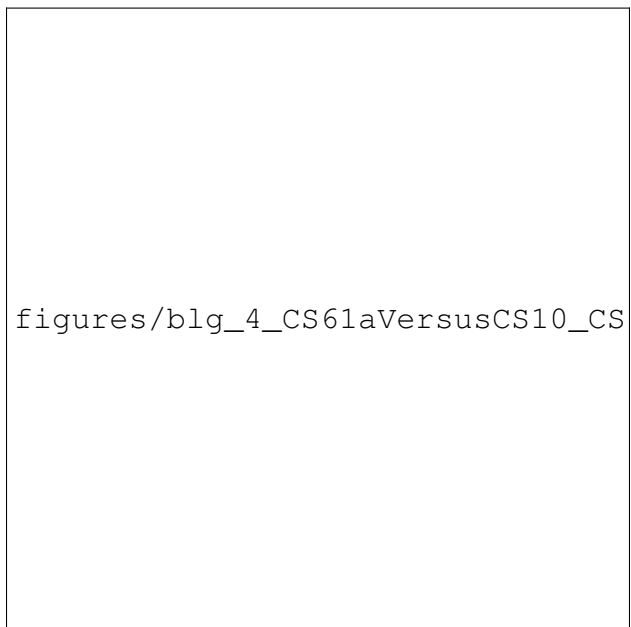
April 26, 2016

Introduction

Table 1: Survey Finding with Statistical Significance [Data Disaggregated]

Survey Finding with Statistical Significance [Data Disaggregated] (*continued*)

Groups		Survey In- strument	Sample Group	P Value	Significance by Stars	P Value	Significance by Stars
				Prior CS		NO Prior CS	
CS10	CS61A	atcs_1	Class	0.02506	*		
CS10	CS61A	atcs_2	Class Male	0.00448 0.00883	** **		
CS10	CS61A	atcs_3	Class Class Female Male	0.01555 0.02903	** *	0.00895 0.00030	** ***
CS10	CS61A	atcs_4	Class Class Male	0.04441	*	0.00341 0.00573	** **
CS10	CS61A	atcs_6	Class Male	0.00638 0.00852	** **		
CS10	CS61A	atcs_7	Class Male	0.00064 0.02253	*** *		
CS10	CS61A	atcs_9	Class	0.01197	**		
CS10	CS61A	atcsgender_1	Female			0.00214	**
CS10	CS61A	atcsgender_2	Class	0.01138	**		
CS10	CS61A	atct_2	Female	0.02310	*		
CS10	CS61A	atct_3	Class Female			0.00911 0.00258	** **
CS10	CS61A	atct_5	Class Class Female Male	0.00000 0.00024 0.00001	***** *** *****	0.00627	**
CS10	CS61A	atct_6	Class	0.02987	*		



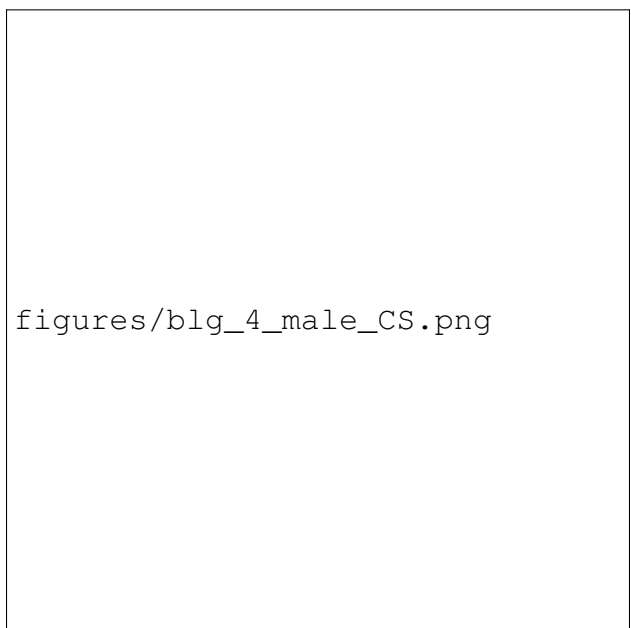
figures/blg_4_CS61aVersusCS10_CS.png

(a)



figures/blg_4_CS61aVersusCS10_NO_CS.png

(b)



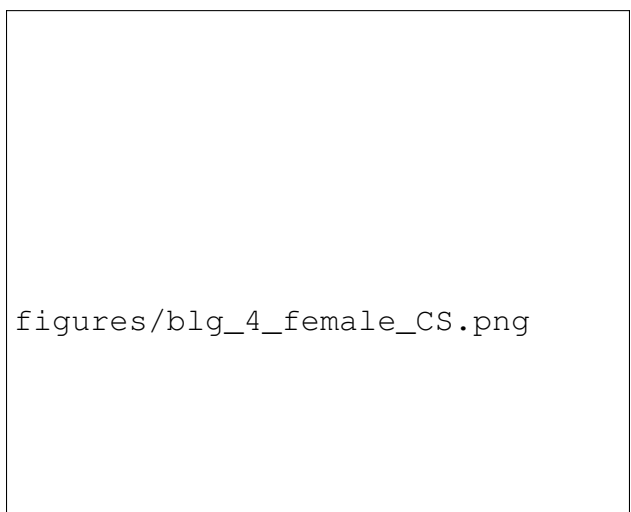
figures/blg_4_male_CS.png

(c)

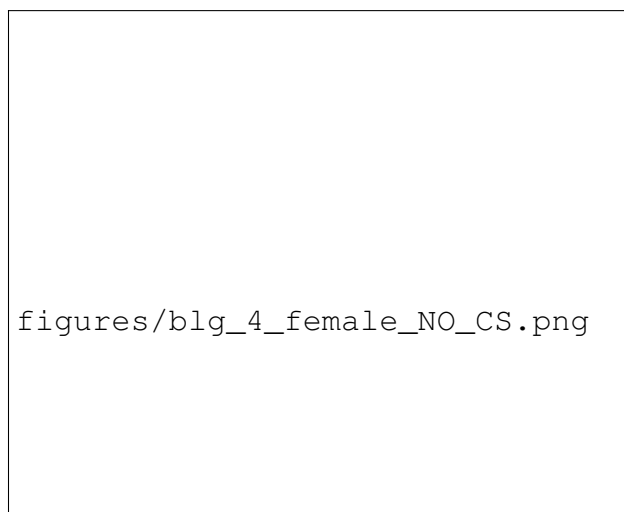


figures/blg_4_male_NO_CS.png

(d)



figures/blg_4_female_CS.png



figures/blg_4_female_NO_CS.png

Conclusion

This paper has laid out some of the challenge of