DA2-Assignment-1

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11/20/2021

Introduction

The chosen occupations:

1006 Computer systems analysts 1007 Information security analysts 1010 Computer programmers 1020 Software developers, applications and systems software 1030 Web developers

Descriptive statistics

Modelling

Summary

Appendix

Variables 'sex:grade9237', 'sex:grade9238' and 'sex:grade9246' have been removed because of collinear

Table 1: Descriptive Statistics

	N	Percent	Mean	SD	Min	Max	Median	P25	P75
earnwke	149316	100.00	888.83	643.74	0.01	2884.61	719.60	430.00	1153.84
weight	149316	100.00	2375.62	1295.35	53.23	24595.83	2662.68	1271.73	3319.09
uhours	149316	100.00	38.94	10.26	1	99	40.00	40.00	40.00
grade92	149316	100.00	40.81	2.50	31	46	40.00	39.00	43.00
age	149316	100.00	40.71	12.78	16	64	41.00	30.00	52.00
ownchild	149316	100.00	0.64	1.02	0	10	0.00	0.00	1.00
chldpres	149316	100.00	1.77	3.08	0	15	0.00	0.00	3.00

	reg1	reg2	reg3	reg4	reg5
Dependent	ln_earnhrs	ln_earnhrs	ln_earnhrs	ln_earnhrs	ln_earnhrs
Var.:		_	_	_	_
(Intercept)	3.546***	3.071***	2.506***	2.506***	2.509***
(1)	(0.0109)	(0.0364)	(0.0136)	(0.0136)	(0.0135)
sex	-0.1570***	-0.1804***	-0.1726***	-0.0440	-0.1670***
	(0.0221)	(0.0216)	(0.0206)	(0.1753)	(0.0205)
age	(0:0)	0.0119***	0.0119***	0.0119***	0.0117***
~80		(0.0009)	(0.0008)	(0.0008)	(0.0008)
grade9237		(0.0000)	-0.6346***	-0.6346***	-0.6345***
814400 2 01			(0.0042)	(0.0042)	(0.0042)
grade9238			0.7941***	0.7935***	0.7227***
g144C5200			(0.0917)	(0.0919)	(0.1177)
grade9239			0.3522***	0.3873***	0.3176***
grades255					
ma da0240			(0.0477)	(0.0514)	(0.0473)
grade9240			0.2605***	0.2722***	0.2297***
1 0041			(0.0391)	(0.0424)	(0.0388)
grade9241			0.3922***	0.4129***	0.3616***
			(0.0566)	(0.0595)	(0.0573)
grade 9242			0.3605***	0.3825***	0.3236***
			(0.0402)	(0.0432)	(0.0398)
grade 9243			0.5981***	0.5902***	0.5627***
			(0.0219)	(0.0223)	(0.0221)
grade9244			0.6762***	0.6760***	0.6321***
			(0.0254)	(0.0267)	(0.0261)
grade9245			0.7565***	0.7657***	0.7201***
O			(0.0725)	(0.0769)	(0.0674)
grade9246			0.8673***	0.8548***	0.8118***
8			(0.0580)	(0.0608)	(0.0586)
sex x			()	-0.2258	()
grade9239				(0.1998)	
sex x				-0.1784	
grade9240				(0.1939)	
sex x				-0.2139	
grade9241				(0.2207)	
				-0.2005	
sex x grade9242				(0.1936)	
				/	
sex x				-0.0995 (0.1776)	
grade9243				(0.1776)	
sex x				-0.1298	
grade9244				(0.1801)	
sex x				-0.2660	
grade9245				(0.1908)	
ownchild					0.0565***
					(0.0085)
S.E. type	Heteroskedast		Heteroskedast	Heteroskedast	Heteroskedast
	rob.	rob.	rob.	rob.	rob.
Observations	2,646	2,646	2,646	2,646	2,646
R2	0.01957	0.08922	0.16987	0.17126	0.18323
Adj. R2	0.01920	0.08853	0.16608	0.16527	0.17920

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