

DA2-Assignment-1

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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

Descriptive statistics

check

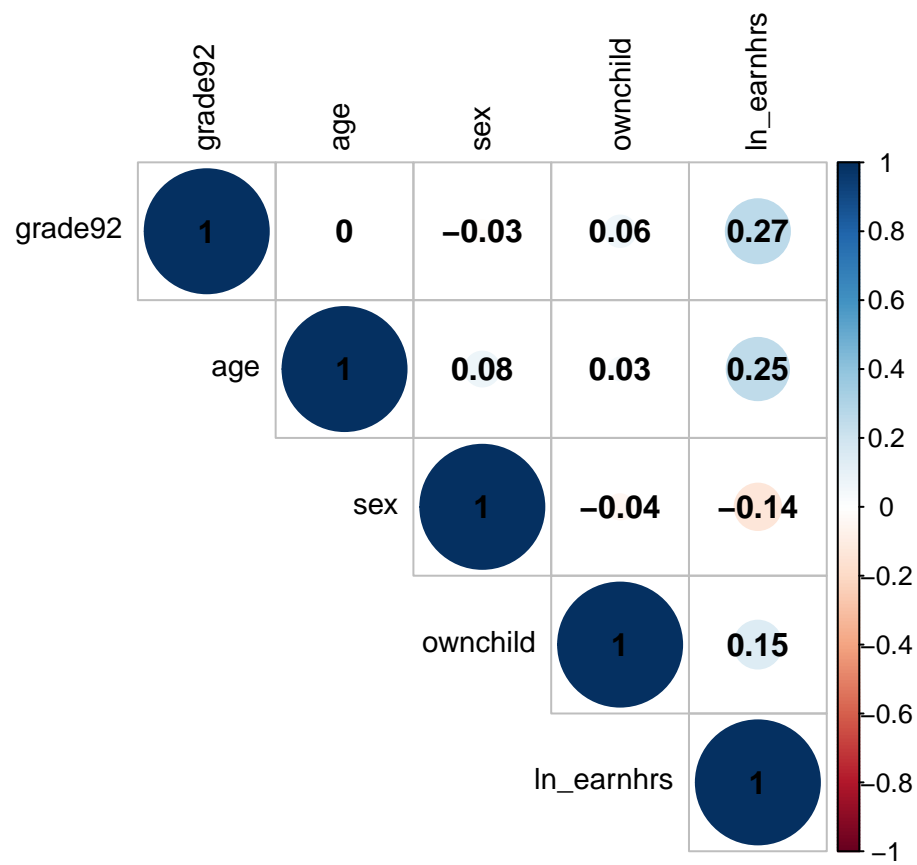
sex	n
0	1952
1	694

Table 1: Descriptive Statistics

	N	Percent	Mean	SD	Min	Max	Median	P25	P75
earnwke	2646	100.00	1532.88	671.23	2.00	2884.61	1442.30	1000.00	1942.30
earnhrs	2646	100.00	36.93	15.66	0.05	120.19	35.00	25.00	48.08
ln_earnhrs	2646	100.00	3.51	0.49	-3.00	4.79	3.56	3.22	3.87
weight	2646	100.00	2493.91	1275.19	193.72	9233.90	2783.68	1526.00	3356.16
uhours	2646	100.00	41.45	6.47	4	80	40.00	40.00	40.00
as.numeric(grade92)	2646	100.00	7.75	1.43	1.00	11.00	8.00	8.00	9.00
age	2646	100.00	40.53	11.01	17	64	40.00	32.00	49.75
ownchild	2646	100.00	0.70	1.02	0	9	0.00	0.00	1.00
as.numeric(chldpres)	2646	100.00	2.87	2.98	1.00	15.00	1.00	1.00	4.00

grade92	n
36	1
37	2
38	3
39	109
40	238
41	72
42	137
43	1393
44	634
45	14
46	43

Correlation matrix



	reg1	reg2	reg3	reg4	reg5
Dependent Var.:	ln_earnhrs	ln_earnhrs	ln_earnhrs	ln_earnhrs	ln_earnhrs
(Intercept)	3.546*** (0.0109)	3.071*** (0.0364)	2.506*** (0.0136)	2.506*** (0.0136)	2.814*** (0.0401)
sex	-0.1570*** (0.0221)	-0.1804*** (0.0216)	-0.1726*** (0.0206)	-0.0440 (0.1753)	-0.1766*** (0.0203)
age		0.0119*** (0.0009)	0.0119*** (0.0008)	0.0119*** (0.0008)	0.0120*** (0.0008)
grade9237			-0.6346*** (0.0042)	-0.6346*** (0.0042)	-0.6501*** (0.0154)
grade9238			0.7941*** (0.0917)	0.7935*** (0.0919)	0.4477*** (0.0912)
grade9239			0.3522*** (0.0477)	0.3873*** (0.0514)	0.0278 (0.0600)
grade9240			0.2605*** (0.0391)	0.2722*** (0.0424)	-0.0292 (0.0497)
grade9241			0.3922*** (0.0566)	0.4129*** (0.0595)	0.0651 (0.0676)
grade9242			0.3605*** (0.0402)	0.3825*** (0.0432)	0.0341 (0.0548)
grade9243			0.5981*** (0.0219)	0.5902*** (0.0223)	0.2739*** (0.0425)
grade9244			0.6762*** (0.0254)	0.6760*** (0.0267)	0.3303*** (0.0463)
grade9245			0.7565*** (0.0725)	0.7657*** (0.0769)	0.4103*** (0.0742)
grade9246			0.8673*** (0.0580)	0.8548*** (0.0608)	0.4940*** (0.0721)
sex x grade9239				-0.2258 (0.1998)	
sex x grade9240				-0.1784 (0.1939)	
sex x grade9241				-0.2139 (0.2207)	
sex x grade9242				-0.2005 (0.1936)	
sex x grade9243				-0.0995 (0.1776)	
sex x grade9244				-0.1298 (0.1801)	
sex x grade9245				-0.2660 (0.1908)	
poly(age)2					-4.073*** (0.5112)
ownchild					0.0250** (0.0089)
S.E. type	Heteroskedast.-rob.	Heteroskedast.-rob.	Heteroskedast.-rob.	Heteroskedast.-rob.	Heteroskedast.-rob.
Observations	2,646	2,646	2,646	2,646	2,646
R2	0.01957	0.08922	0.16987	0.17126	0.20355
Adj. R2	0.01920	0.08853	0.16608	0.16527	0.19931

