Assignment 2: Interpreting Quantitative Findings

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Contents

1 Introduction

It is possible to add citations to your arguments (R Core Team, 2019).

2 Data and method

2.1 Sample and Data Collection

Variable	Cleaned Sample N	Cleaned Sample Percent	Full Sample N	Full Sample Percent	Test
Sex	675		1204		X2=1.022
... Male	284	42.1%	537	44.6%	
... Female	391	57.9%	667	55.4%	
Religion	675		1168		X2=0.849
... Catholic	277	41%	491	42%	
... Protestant	283	41.9%	497	42.6%	
... No religion	115	17%	180	15.4%	
Sexual Orientation	675		1191		X2=3.039
... I am heterosexual or straight	657	97.3%	1173	98.5%	
... I am gay or lesbian (homosexual)	14	2.1%	14	1.2%	
... I am bi-sexual	2	0.3%	2	0.2%	
... Other	2	0.3%	2	0.2%	
Constitutional View	675		1183		X2=0.347
... Unionist	199	29.5%	348	29.4%	
... Nationalist	138	20.4%	255	21.6%	
... Neither	338	50.1%	580	49%	
Trade union membership	675		1179		X2=9.162***
... Yes	301	44.6%	440	37.3%	
... No	374	55.4%	739	62.7%	
Supervisor: No	675		883		X2=0.143
... Yes	211	31.3%	267	30.2%	
... No	464	68.7%	616	69.8%	

Note:

Statistical significance markers: * p<0.1; ** p<0.05; *** p<0.01

Table 1: Descriptive Statistics for Cleaned and Full Sample (Categorical Variables)

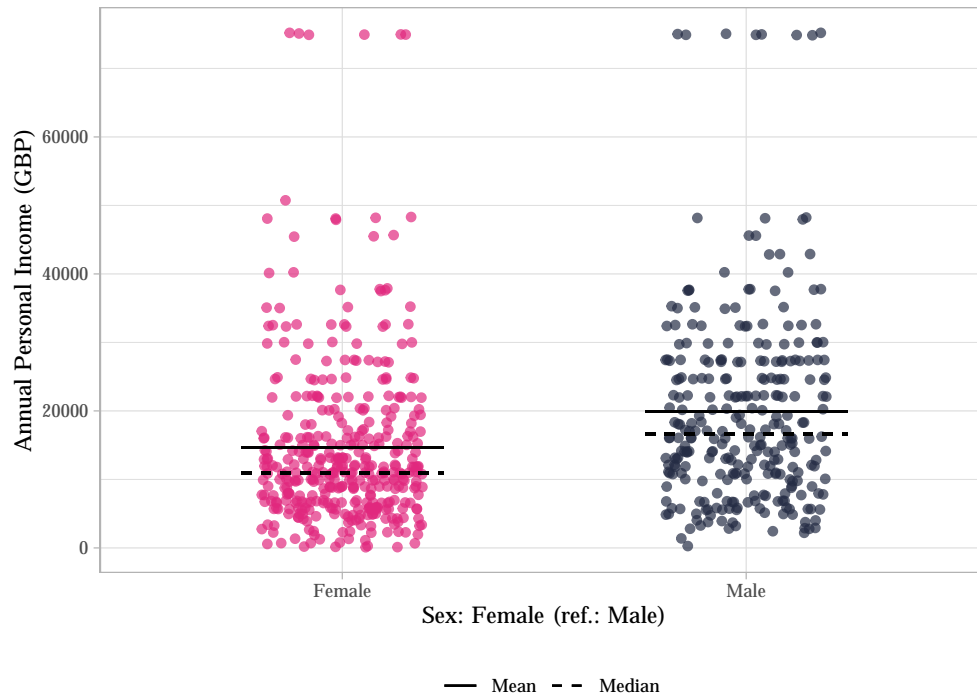| Variable	Cleaned Sample N	Cleaned Sample Mean	Cleaned Sample SD	Full Sample N	Full Sample Mean	Full Sample SD	Test
Annual Personal Income (GBP)	675	16892.089	13447.704	897	16394.582	13465.9	F=0.526
Age	675	46.763	17.117	1201	49.615	18.53	F=10.81***

Note:

Statistical significance markers: * p<0.1; ** p<0.05; *** p<0.01

Table 2: Descriptive Statistics for Cleaned and Full Sample (Numerical Variables)

2.2   Dependent and Independent Variables

Figure 1: Scatterplot of Income and Sex

3   Results and discussion

Here comes the regression.

4   Conclusion

	Dependent Variable
	Annual Personal Income (GBP)
Sex: Female (ref.: Male)	−5,068.737***
	(994.748)
Religion: Protestant (ref.: Catholic)	465.188
	(1,458.367)
Religion: No religion	895.169
	(1,533.323)
Sexual Orientation: Homosexual (ref.: Heterosexual)	−6,247.777*
	(3,437.048)
Sexual Orientation: bi-sexual	−2,826.980
	(8,698.806)
Sexual Orientation: Other	1,323.336
	(8,737.282)
Constitutional View: Nationalist (ref.: Unionist)	1,788.873
	(1,898.294)
Constitutional view: Neither	1,438.036
	(1,350.423)
Trade union membership: No (ref.: Yes)	−5,277.978***
	(977.008)
Supervisor: No (ref.: Yes)	−8,648.320***
	(1,037.559)
Age	−84.369***
	(29.430)
Constant	31,343.540***
	(2,488.067)
Observations	675
R^2	0.183
Adjusted R^2	0.170
Residual Std. Error	12,252.840 (df = 663)
F Statistic	13.533*** (df = 11; 663)
Note:	*p<0.1; **p<0.05; ***p<0.01

Table 3: Regression results

References

R Core Team (2019). *R: A Language and Environment for Statistical Computing.* R Foundation for Statistical Computing, Vienna, Austria.