

21082022_Question 3

Hannah MacGinty^a

^a*Stellenbosch, South Africa*

Abstract

Abstract to be written here for question 3....

1. Introduction

Intro...

Data

Discussion of data should be thorough with a table of statistics and ideally a figure.

2. Results

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
1	21.00	6.00	160.00	110.00	3.90	2.62	16.46	0.00	1.00	4.00	4.00
2	21.00	6.00	160.00	110.00	3.90	2.88	17.02	0.00	1.00	4.00	4.00
3	22.80	4.00	108.00	93.00	3.85	2.32	18.61	1.00	1.00	4.00	1.00
4	21.40	6.00	258.00	110.00	3.08	3.21	19.44	1.00	0.00	3.00	1.00
5	18.70	8.00	360.00	175.00	3.15	3.44	17.02	0.00	0.00	3.00	2.00

Table 2.1: Short Table Example

Table 2.2: Long Table Example

mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
21.00	6.00	160.00	110.00	3.90	2.62	16.46	0.00	1.00	4.00	4.00
21.00	6.00	160.00	110.00	3.90	2.88	17.02	0.00	1.00	4.00	4.00
22.80	4.00	108.00	93.00	3.85	2.32	18.61	1.00	1.00	4.00	1.00
21.40	6.00	258.00	110.00	3.08	3.21	19.44	1.00	0.00	3.00	1.00
18.70	8.00	360.00	175.00	3.15	3.44	17.02	0.00	0.00	3.00	2.00
18.10	6.00	225.00	105.00	2.76	3.46	20.22	1.00	0.00	3.00	1.00
14.30	8.00	360.00	245.00	3.21	3.57	15.84	0.00	0.00	3.00	4.00
24.40	4.00	146.70	62.00	3.69	3.19	20.00	1.00	0.00	4.00	2.00
22.80	4.00	140.80	95.00	3.92	3.15	22.90	1.00	0.00	4.00	2.00
19.20	6.00	167.60	123.00	3.92	3.44	18.30	1.00	0.00	4.00	4.00
17.80	6.00	167.60	123.00	3.92	3.44	18.90	1.00	0.00	4.00	4.00
16.40	8.00	275.80	180.00	3.07	4.07	17.40	0.00	0.00	3.00	3.00
17.30	8.00	275.80	180.00	3.07	3.73	17.60	0.00	0.00	3.00	3.00
15.20	8.00	275.80	180.00	3.07	3.78	18.00	0.00	0.00	3.00	3.00
10.40	8.00	472.00	205.00	2.93	5.25	17.98	0.00	0.00	3.00	4.00
10.40	8.00	460.00	215.00	3.00	5.42	17.82	0.00	0.00	3.00	4.00
14.70	8.00	440.00	230.00	3.23	5.34	17.42	0.00	0.00	3.00	4.00
32.40	4.00	78.70	66.00	4.08	2.20	19.47	1.00	1.00	4.00	1.00
30.40	4.00	75.70	52.00	4.93	1.61	18.52	1.00	1.00	4.00	2.00
33.90	4.00	71.10	65.00	4.22	1.83	19.90	1.00	1.00	4.00	1.00
21.50	4.00	120.10	97.00	3.70	2.46	20.01	1.00	0.00	3.00	1.00
15.50	8.00	318.00	150.00	2.76	3.52	16.87	0.00	0.00	3.00	2.00
15.20	8.00	304.00	150.00	3.15	3.44	17.30	0.00	0.00	3.00	2.00
13.30	8.00	350.00	245.00	3.73	3.84	15.41	0.00	0.00	3.00	4.00
19.20	8.00	400.00	175.00	3.08	3.85	17.05	0.00	0.00	3.00	2.00
27.30	4.00	79.00	66.00	4.08	1.94	18.90	1.00	1.00	4.00	1.00
26.00	4.00	120.30	91.00	4.43	2.14	16.70	0.00	1.00	5.00	2.00
30.40	4.00	95.10	113.00	3.77	1.51	16.90	1.00	1.00	5.00	2.00
15.80	8.00	351.00	264.00	4.22	3.17	14.50	0.00	1.00	5.00	4.00
19.70	6.00	145.00	175.00	3.62	2.77	15.50	0.00	1.00	5.00	6.00
15.00	8.00	301.00	335.00	3.54	3.57	14.60	0.00	1.00	5.00	8.00
21.40	4.00	121.00	109.00	4.11	2.78	18.60	1.00	1.00	4.00	2.00

2.1. Huxtable

Table 2.3: Regression Output

	Reg1	Reg2	Reg3
(Intercept)	-2256.361 *** (13.055)	5763.668 *** (740.556)	4045.333 *** (286.205)
carat	7756.426 *** (14.067)		7765.141 *** (14.009)
depth		-29.650 * (11.990)	-102.165 *** (4.635)
N	53940	53940	53940
R2	0.849	0.000	0.851

*** $p < 0.001$; ** $p < 0.01$; * $p < 0.05$.

3. Conclusion

In conclusion...