

## DAX Example of Tables that should be submitted as a minimum to score well on ANOVA Analysis

Example of a Descriptive Statistics Table (See DAX 2 Instructions – Should always submit with DAX Exercises and IRP and discuss some of the values and what they may show).

In this paragraph, copy and paste the Descriptive Statistics for Numeric Variables table from SAS (clean the table up to fit).

Variable	Label	N	N Miss	Minimum	Mean	Median	Maximum	Std Dev
MSRP		428	0	10280.00	32774.86	27635.00	192465.00	19431.72
Invoice		428	0	9875.00	30014.70	25294.50	173560.00	17642.12
EngineSize	Engine Size (L)	428	0	1.30	3.1967290	3.00	8.300	1.11
Cylinders		426	2	3.00	5.8075117	6.00	12.00	1.56
Horsepower		428	0	73.00	215.89	210.0	500.00	71.84
MPG_City	MPG (City)	428	0	10.00	20.06	19.00	60.00	5.2382176
MPG_Highway	MPG (Highway)	428	0	12.00	26.84	26.00	66.00	5.7412007
Weight	Weight (LBS)	428	0	1850.00	3577.95	3474.50	7190.00	758.98
Wheelbase	Wheelbase (IN)	428	0	89.00	108.15	107.00	144.00	8.312
Length	Length (IN)	428	0	143.00	186.36	187.00	238.00	14.36

Example of a SAS ANOVA Analysis Results Table

Note: Should always discuss numeric value of the P-value and the meaning of the value compared to the Alpha .05 test criteria - whether to accept or reject the null hypothesis concerning whether the means of two different groups are equal or not.

Anova: Single Factor

### SUMMARY

Groups	Count	Sum	Average	Variance
1B	24	18879	786.6	454798.9
2B	26	13360.334	513.9	71201.3
3B	30	18537.333	617.9	270477.0

### ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	942071.1736	2	471035.59	1.81	0.17	3.12
Within Groups	20084239.41	77	260834.28			
Total	21026310.58	79				