

## Custom Tables

### Notes

Output Created		10-JUL-2024 02:44:29
Comments		
Input	Data	D:\Works\Godiva\Data Model Final.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	9

## Notes

Syntax	CTABLES /VLABELS VARIABLES=Temperatue Turbidity Depthm Velocity DissolvedOxygen Total_Nitrate Total_Phosphate pH_Level Distance Conductivity Stream DISPLAY=LABEL /TABLE Temperatue [MEAN] + Turbidity [MEAN] + Depthm [MEAN] + Velocity [MEAN] + DissolvedOxygen [MEAN] + Total_Nitrate [MEAN] + Total_Phosphate [MEAN] + pH_Level [MEAN] + Distance [MEAN] + Conductivity [MEAN] BY Stream /CATEGORIES VARIABLES=Stream ORDER=A KEY=VALUE EMPTY=INCLUDE /CRITERIA CILEVEL=95 /SIGTEST TYPE=CHISQUARE ALPHA=0.05 INCLUDEMRSETS=YES CATEGORIES=SUBTOTA LS /COMPARETEST TYPE=MEAN ALPHA=0. 05 ADJUST=BONFERRONI ORIGIN=COLUMN INCLUDEMRSETS=YES  CATEGORIES=SUBTOTA LS MEANSVARIANCE=TEST EDCATS MERGE=NO SHOWSIG=YES /COMPARETEST TYPE=PROP ALPHA=0. 05 ADJUST=BONFERRONI ORIGIN=COLUMN INCLUDEMRSETS=YES  CATEGORIES=SUBTOTA...
Resources	Processor Time 00:00:00.05 Elapsed Time 00:00:00.12

**Table 1**

	Stream		
	UPSTREAM Mean	MIDSTREAM Mean	DOWNSTREAM Mean
Temperatue	31.700	27.867	31.900
Turbidity	35.367	292.200	17.427
Depth(m)	.500	.627	1.030
Velocity	.431	.360	.528
Dissolved Oxygen(%)	97.833	81.700	38.767
Total Nitrate	7.1	3.1	1.0
Total Phosphate	1.10	1.17	2.42
pH Level	7.790	7.600	7.430
Distance	20.810	11.243	15.637
Conductivity	151.967	140.000	165.833

### Comparisons of Column Means<sup>a</sup>

	Stream		
	UPSTREAM (A)	MIDSTREAM (B)	DOWNSTREAM (C)
Temperatue	B( .003)		
Turbidity			
Depth(m)			
Velocity	B( .014)		B( .014)
Dissolved Oxygen(%)			
Total Nitrate	B( .000) C( .000)	C( .000)	
Total Phosphate			
pH Level			
Distance	B( .006)		
Conductivity			

Results are based on two-sided tests assuming equal variances. For each significant pair, the key of the smaller category appears in the category with the larger mean.

Significance level for upper case letters (A, B, C): .05

a. Tests are adjusted for all pairwise comparisons within a row of each innermost subtable using the Bonferroni correction.

### Custom Tables

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MEANS TABLES=Temperatue BY Stream  
/CELLS=MEAN STDDEV.

## Means

### Report

Temperatue

Stream	Mean	Std. Deviation
UPSTREAM	31.70000	.700000
MIDSTREAM	27.86667	.251661
DOWNSTREAM	31.90000	2.535744
Total	30.48889	2.370888

MEANS TABLES=Turbidity BY Stream  
/CELLS=MEAN STDDEV.

## Means

### Report

Turbidity

Stream	Mean	Std. Deviation
UPSTREAM	35.36667	18.218763
MIDSTREAM	292.20000	223.108315
DOWNSTREAM	17.42667	13.981421
Total	114.99778	174.067170

MEANS TABLES=Depthm BY Stream

## Means

### Report

Depth(m)		
Stream	Mean	Std. Deviation
UPSTREAM	.50000	.151327
MIDSTREAM	.62667	.028868
DOWNSTREAM	1.03000	.599250
Total	.71889	.391358

MEANS TABLES=Velocity BY Stream  
/CELLS=MEAN STDDEV.

## Means

### Report

Velocity		
Stream	Mean	Std. Deviation
UPSTREAM	.43100	.008544
MIDSTREAM	.36000	.020000
DOWNSTREAM	.52797	.047009
Total	.43966	.077477

MEANS TABLES=DissolvedOxygen BY Stream  
/CELLS=MEAN STDDEV.

## Means

### Report

Dissolved Oxygen(%)		
Stream	Mean	Std. Deviation
UPSTREAM	97.83333	1.274101
MIDSTREAM	81.70000	37.513331
DOWNSTREAM	38.76667	37.584084
Total	72.76667	37.475492

MEANS TABLES=Total\_Nitrate BY Stream

/CELLS=MEAN STDDEV.

## Means

### Report

Total Nitrate

Stream	Mean	Std. Deviation
UPSTREAM	7.067	.0577
MIDSTREAM	3.100	.1000
DOWNSTREAM	.967	.1155
Total	3.711	2.6821

MEANS TABLES=Total\_Phosphate BY Stream  
/CELLS=MEAN STDDEV.

## Means

### Report

Total Phosphate

Stream	Mean	Std. Deviation
UPSTREAM	1.1000	.82614
MIDSTREAM	1.1667	.27538
DOWNSTREAM	2.4200	.90205
Total	1.5622	.89873

MEANS TABLES=pH\_Level BY Stream  
/CELLS=MEAN STDDEV.

## Means

### Report

pH Level

Stream	Mean	Std. Deviation
UPSTREAM	7.79000	.085440
MIDSTREAM	7.60000	.100000
DOWNSTREAM	7.43000	.445758
Total	7.60667	.279866

MEANS TABLES=Distance BY Stream  
/CELLS=MEAN STDDEV.

## Means

### Report

Distance

Stream	Mean	Std. Deviation
UPSTREAM	20.81000	2.245462
MIDSTREAM	11.24333	.456107
DOWNSTREAM	15.63667	3.171519
Total	15.89667	4.585346

```
MEANS TABLES=Conductivity BY Stream
/CELLS=MEAN STDDEV.
```

## Means

### Report

Conductivity

Stream	Mean	Std. Deviation
UPSTREAM	151.96667	18.986662
MIDSTREAM	140.00000	46.349218
DOWNSTREAM	165.83333	72.274085
Total	152.60000	45.369896