```
T-TEST
  /TESTVAL=0
  /MISSING=ANALYSIS
  /VARIABLES=Temperatue Turbidity Length River_Depth Velocity Dischage Area Dissolved_Oxy
gen
    Total_Nitrate Total_Phosphate pH_Level Distance Conductivity Width
  /ES DISPLAY(TRUE)
  /CRITERIA=CI(.95).
```

T-Test

Notes

Output Created		30-JUN-2024 04:23:44
Comments		
Input	Data	D:\Hunter\Data Works\Godiva\Data Model.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	3
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST /TESTVAL=0 /MISSING=ANALYSIS /VARIABLES=Temperatue Turbidity Length River_Depth Velocity Dischage Area Dissolved_Oxygen Total_Nitrate Total_Phosphate pH_Level Distance Conductivity Width /ES DISPLAY(TRUE) /CRITERIA=CI(.95).

Notes

Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.07

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Temperature	3	30.67800	1.411865	.815141
Turbidity	3	34.05000	21.950171	12.672937
Length	3	34.88667	26.173751	15.111422
River Depth	3	2.41233	1.660297	.958573
Velocity	3	.278067	.2089728	.1206505
Discharge	3	79.24600	75.416789	43.541903
Area	3	204.514000	164.4986455	94.9733372
Dissolved Oxygen	3	73.833	41.0314	23.6895
Total Nitrates	3	1.000	.1000	.0577
Total Phosphates	3	1.8000	.85294	.49244
pH Level	3	7.8133	.12055	.06960
Distance	3	22.79100	22.385637	12.924354
Conductivity	3	204.6000	39.05163	22.54647
Width	3	3.61000	2.701907	1.559947

One-Sample Test

	Test Value = 0				
	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence ... Lower
Temperature	37.635	2	.001	30.678000	27.17073
Turbidity	2.687	2	.115	34.050000	-20.47725
Length	2.309	2	.147	34.886667	-30.13253
River Depth	2.517	2	.128	2.412333	-1.71207
Velocity	2.305	2	.148	.2780667	-.241050
Discharge	1.820	2	.210	79.246000	-108.09969
Area	2.153	2	.164	204.5140000	-204.123289
Dissolved Oxygen	3.117	2	.089	73.8333	-28.094
Total Nitrates	17.321	2	.003	1.0000	.752
Total Phosphates	3.655	2	.067	1.80000	-.3188
pH Level	112.257	2	.000	7.81333	7.5139
Distance	1.763	2	.220	22.791000	-32.81801
Conductivity	9.075	2	.012	204.60000	107.5904
Width	2.314	2	.147	3.610000	-3.10191

One-Sample Test

	Test Value = 0
	95% Confidence Interval of the ... Upper
Temperature	34.18527
Turbidity	88.57725
Length	99.90587
River Depth	6.53674
Velocity	.797184
Discharge	266.59169
Area	613.151289
Dissolved Oxygen	175.761
Total Nitrates	1.248
Total Phosphates	3.9188
pH Level	8.1128
Distance	78.40001
Conductivity	301.6096
Width	10.32191

One-Sample Effect Sizes

		Standardizer[a]	Point Estimate	95% Confidence Interval	
				Lower	Upper
Temperature	Cohen's d	1.411865	21.729	3.411	41.759
	Hedges' correction	2.502466	12.259	1.925	23.560
Turbidity	Cohen's d	21.950171	1.551	-.290	3.311
	Hedges' correction	38.905665	.875	-.164	1.868
Length	Cohen's d	26.173751	1.333	-.371	2.937
	Hedges' correction	46.391765	.752	-.209	1.657
River Depth	Cohen's d	1.660297	1.453	-.326	3.141
	Hedges' correction	2.942800	.820	-.184	1.772
Velocity	Cohen's d	.2089728	1.331	-.372	2.933
	Hedges' correction	.3703946	.751	-.210	1.655
Discharge	Cohen's d	75.416789	1.051	-.486	2.473
	Hedges' correction	133.672778	.593	-.274	1.395
Area	Cohen's d	164.4986455	1.243	-.406	2.786
	Hedges' correction	291.5662576	.701	-.229	1.572
Dissolved Oxygen	Cohen's d	41.0314	1.799	-.206	3.747
	Hedges' correction	72.7262	1.015	-.116	2.114
Total Nitrates	Cohen's d	.1000	10.000	1.488	19.262
	Hedges' correction	.1772	5.642	.840	10.867
Total Phosphates	Cohen's d	.85294	2.110	-.108	4.305
	Hedges' correction	1.51179	1.191	-.061	2.429
pH Level	Cohen's d	.12055	64.812	10.297	124.489
	Hedges' correction	.21368	36.566	5.810	70.235
Distance	Cohen's d	22.385637	1.018	-.501	2.421
	Hedges' correction	39.677509	.574	-.283	1.366
Conductivity	Cohen's d	39.05163	5.239	.629	10.168
	Hedges' correction	69.21722	2.956	.355	5.736
Width	Cohen's d	2.701907	1.336	-.370	2.942
	Hedges' correction	4.789005	.754	-.209	1.660

a. The denominator used in estimating the effect sizes.
Cohen's d uses the sample standard deviation.
Hedges' correction uses the sample standard deviation, plus a correction factor.