T-Test

Notes

Output Created		08-APR-2025 17:36:32
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	32
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 GROUPS=Group('Active' 'Inactive') /MISSING=ANALYSIS /VARIABLES=Staturecm Agey Masskg LeisuretimeMEThday KneeextensionforceN Musclecrosssectionalareacm 2 VoluntaryActivationofmax /ES DISPLAY(TRUE) /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.02

Group Statistics

	Group	N	Mean	Std. Deviation	Std. Error Mean
Stature (cm)	1	16	172.3219	11.68928	2.92232
	2	16	172.8487	9.59525	2.39881
Age (y)	1	16	61.4250	7.06720	1.76680
	2	16	61.0544	8.05726	2.01431
Mass (kg)	1	16	73.0600	12.64148	3.16037
	2	16	80.8069	13.51511	3.37878
Leisure time MET h/day	1	16	8.9800	2.58406	.64602
	2	16	1.8806	1.13555	.28389
Knee extension force (N)	1	16	509.5313	109.79774	27.44944
	2	16	425.3731	83.98105	20.99526
Muscle cross sectional area (cm2)	1	16	122.3119	25.53508	6.38377
	2	16	116.9950	23.25594	5.81399
Voluntary Activation (% of max)	1	16	86.2137	4.02683	1.00671
	2	16	82.9875	3.64870	.91217

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means					
		F	Sig.	t					
Stature (cm)	Equal variances assumed	.018	.895	-.139					
	Equal variances not assumed			-.139					
Age (y)	Equal variances assumed	.766	.389	.138					

	Equal variances not assumed			.138						
Mass (kg)	Equal variances assumed	.270	.607	-1.674						
	Equal variances not assumed			-1.674						
Leisure time MET h/day	Equal variances assumed	9.685	.004	10.061						
	Equal variances not assumed			10.061						
Knee extension force (N)	Equal variances assumed	1.528	.226	2.435						
	Equal variances not assumed			2.435						
Muscle cross sectional area (cm2)	Equal variances assumed	1.071	.309	.616						
	Equal variances not assumed			.616						
Voluntary Activation (% of max)	Equal variances assumed	.295	.591	2.375						
	Equal variances not assumed			2.375						

Independent Samples Effect Sizes

	Standardizer[a]	Point Estimate	95% Confidence Interval	

				Lower	
Stature (cm)	Cohen's d	10.69365	-.049	-.742	
	Hedges' correction	10.97061	-.048	-.723	
	Glass's delta	9.59525	-.055	-.747	
Age (y)	Cohen's d	7.57842	.049	-.645	
	Hedges' correction	7.77469	.048	-.628	
	Glass's delta	8.05726	.046	-.648	
Mass (kg)	Cohen's d	13.08559	-.592	-1.296	
	Hedges' correction	13.42450	-.577	-1.263	
	Glass's delta	13.51511	-.573	-1.287	
Leisure time MET h/day	Cohen's d	1.99585	3.557	2.413	
	Hedges' correction	2.04754	3.467	2.352	
	Glass's delta	1.13555	6.252	3.923	
Knee extension force (N)	Cohen's d	97.74549	.861	.128	
	Hedges' correction	100.27705	.839	.125	
	Glass's delta	83.98105	1.002	.210	
Muscle cross sectional area (cm2)	Cohen's d	24.42211	.218	-.479	
	Hedges' correction	25.05463	.212	-.467	
	Glass's delta	23.25594	.229	-.473	
Voluntary Activation (% of max)	Cohen's d	3.84242	.840	.109	
	Hedges' correction	3.94194	.818	.106	
	Glass's delta	3.64870	.884	.111	

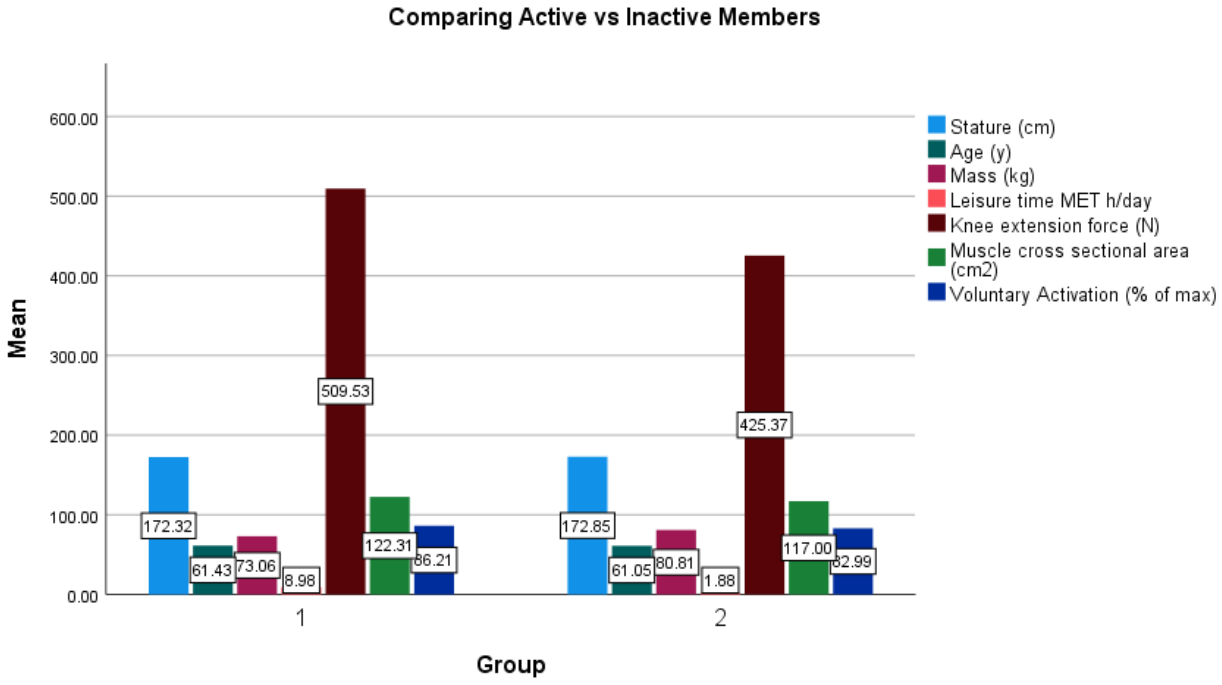
Graph

Notes

Output Created		08-APR-2025 17:40:24
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	32

Syntax	GGRAPH /GRAPHDATASET NAME="graphdataset" VARIABLES=Group MEAN(Staturecm) MEAN(Agey) MEAN(Masskg) MEAN(LeisuretimeMEThday) MEAN(KneeextensionforceN) MEAN(Musclecrosssectionala reacm2) MEAN(VoluntaryActivationof max) MISSING=LISTWISE REPORTMISSING=NO TRANSFORM=VARSTOCAS ES(SUMMARY="#SUMMAR Y" INDEX="#INDEX") /GRAPHSPEC SOURCE=INLINE /FRAME OUTER=NO INNER=NO /GRIDLINES XAXIS=NO YAXIS=YES /STYLE GRADIENT=NO. BEGIN GPL SOURCE: s=userSource(id("graphdatas et")) DATA: Group=col(source(s), name("Group"), unit.category()) DATA: SUMMARY=col(source(s), name("#SUMMARY")) DATA: INDEX=col(source(s), name("#INDEX"), unit.category()) COORD: rect(dim(1,2), cluster(3,0)) GUIDE: axis(dim(3), label("Group"))

Resources	Processor Time	00:00:03.00
	Elapsed Time	00:00:04.93

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SAVE OUTFILE='C:\Users\USER\Desktop\Active vs Inactive.sav'
  /COMPRESSED.
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