

Nonparametric Tests

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of Score (Y) is the same across categories of Gender (X).	Independent-Samples Mann-Whitney U Test	.000	Reject the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

Nonparametric Tests

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of age is the same across categories of gender.	Independent-Samples Mann-Whitney U Test	.000	Reject the null hypothesis.
2	The distribution of hr is the same across categories of gender.	Independent-Samples Mann-Whitney U Test	.002	Reject the null hypothesis.
3	The distribution of sysbp is the same across categories of gender.	Independent-Samples Mann-Whitney U Test	.187	Retain the null hypothesis.
4	The distribution of diasbp is the same across categories of gender.	Independent-Samples Mann-Whitney U Test	.025	Reject the null hypothesis.
5	The distribution of bmi is the same across categories of gender.	Independent-Samples Mann-Whitney U Test	.000	Reject the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

T-Test

Group Statistics

	gender	N	Mean	Std. Deviation	Std. Error Mean
age	Male	300	66.60	14.943	.863
	Female	200	74.72	12.301	.870
hr	Male	300	84.79	23.983	1.385
	Female	200	90.37	22.627	1.600
sysbp	Male	300	142.56	31.160	1.799
	Female	200	147.93	33.749	2.386
diasbp	Male	300	79.82	22.987	1.327
	Female	200	75.94	19.000	1.344
bmi	Male	300	27.2689009	4.82836892	.27876601
	Female	200	25.6310985	6.05204190	.42794399

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
age	Equal variances assumed	13.606	.000	-6.380	498
	Equal variances not assumed			-6.631	476.326
hr	Equal variances assumed	.844	.359	-2.606	498
	Equal variances not assumed			-2.636	443.234
sysbp	Equal variances assumed	1.281	.258	-1.825	498
	Equal variances not assumed			-1.796	402.861
diasbp	Equal variances assumed	3.699	.055	1.977	498
	Equal variances not assumed			2.053	475.507
bmi	Equal variances assumed	10.491	.001	3.353	498
	Equal variances not assumed			3.207	360.513

Independent Samples Test

		t-test for Equality of Means			
		Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence ...
					Lower
age	Equal variances assumed	.000	-8.123	1.273	-10.625
	Equal variances not assumed	.000	-8.123	1.225	-10.531
hr	Equal variances assumed	.009	-5.578	2.141	-9.784
	Equal variances not assumed	.009	-5.578	2.116	-9.737
sysbp	Equal variances assumed	.069	-5.368	2.941	-11.147
	Equal variances not assumed	.073	-5.368	2.989	-11.243
diasbp	Equal variances assumed	.049	3.877	1.961	.024
	Equal variances not assumed	.041	3.877	1.888	.166
bmi	Equal variances assumed	.001	1.63780245	.48847915	.67806843
	Equal variances not assumed	.001	1.63780245	.51073138	.63341547

Independent Samples Test

		t-test for Equality of ...
		95% Confidence ...
		Upper
age	Equal variances assumed	-5.622
	Equal variances not assumed	-5.716
hr	Equal variances assumed	-1.372
	Equal variances not assumed	-1.420
sysbp	Equal variances assumed	.410
	Equal variances not assumed	.507
diasbp	Equal variances assumed	7.730
	Equal variances not assumed	7.587
bmi	Equal variances assumed	2.59753647
	Equal variances not assumed	2.64218943