```
NPAR TESTS
/M-W= Reasoning Societal_Impact Domain_Knowledge BY Approach(0 1)
/STATISTICS=DESCRIPTIVES
/MISSING ANALYSIS.
```

NPar Tests

Notes

Contents		
Output Created		20-JUL-2025 00:04:31
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	384
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /M-W= Reasoning Societal_Impact Domain_Knowledge BY Approach(0 1) /STATISTICS=DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	0 00:00:00.00
	Elapsed Time	0 00:00:00.11
	Number of Cases Allowed[a]	349525

a. Based on availability of workspace memory.

[DataSet0]

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Reasoning	384	3.95	1.042	1	5
Societal Impact	384	3.99	.963	1	5
Domain Knowledge	384	3.99	.925	1	5
Approach	384	.50	.501	0	1

Mann-Whitney Test

Ranks

	Approach	N	Mean Rank	Sum of Ranks
Reasoning	General	192	221.13	42456.50
	Medical	192	163.87	31463.50
	Total	384		
Societal Impact	General	192	215.21	41321.00
	Medical	192	169.79	32599.00

	Approach	N	Mean Rank	Sum of Ranks
Domain Knowledge	Total	384		
	General	192	218.29	41912.50
	Medical	192	166.71	32007.50
	Total	384		

Test Statistics[a]

	Reasoning	Societal Impact	Domain Knowledge
Mann-Whitney U	12935.500	14071.000	13479.500
Wilcoxon W	31463.500	32599.000	32007.500
Z	-5.353	-4.269	-4.840
Asymp. Sig. (2-tailed)	.000	.000	.000

a. Grouping Variable: Approach