```
GET
  FILE='C:\Users\lenovo\Desktop\IBM SPSS\Kaynak\kruskal -wallis test.sav'.
DATASET NAME DataSet2 WINDOW=FRONT.
FREQUENCIES VARIABLES=kilogrup
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		28-OCT-2020 15:52:20
Comments		
Input	Data	C: \Users\lenovo\Desktop\IB M SPSS\Kaynak\kruskal - wallis test.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	74
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=kilogrup /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,02

[DataSet2] C:\Users\lenovo\Desktop\IBM SPSS\Kaynak\kruskal -wallis test.sav

Statistics

kilo gruplama

N	Valid	74
	Missing	0

kilo gruplama

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1,00	12	16,2	16,2	16,2
	2,00	13	17,6	17,6	33,8
	3,00	35	47,3	47,3	81,1
	4,00	14	18,9	18,9	100,0
	Total	74	100,0	100,0	

```
NPAR TESTS
 /K-W=tasis BY kilogrup(1 4)
 /STATISTICS DESCRIPTIVES
 /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		28-OCT-2020 15:55:39
Comments		
Input	Data	C: \Users\lenovo\Desktop\IBM SPSS\Kaynak\kruskal - wallis test.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	74
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 /K-W=tasis BY kilogrup(1 4) /STATISTICS DESCRIPTIVES /MISSING ANALYSIS.

Notes

Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,00
	Number of Cases Allowed[a]	449389

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
sistolik kan basıncı	74	130,2027	18,95270	100,00	180,00
kilo gruplama	74	2,6892	,96409	1,00	4,00

Kruskal-Wallis Test

Ranks

	kilo gruplama	N	Mean Rank
sistolik kan basıncı	1,00	12	33,29
	2,00	13	23,31
	3,00	35	45,29
	4,00	14	34,82
	Total	74	

Test Statistics[a,b]

	sistolik kan basıncı
Kruskal-Wallis H	11,238
df	3
Asymp. Sig.	,011

a. Kruskal Wallis Test

b. Grouping Variable: kilo gruplama

```
NPAR TESTS
 /M-W= tasis BY kilogrup(1 2)
 /STATISTICS=DESCRIPTIVES
 /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		28-OCT-2020 16:04:09
Comments		
Input	Data	C:\Users\lenovo\Desktop\IBM SPSS\Kaynak\kruskal - wallis test.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	74
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= tasis BY kilogrup (1 2) /STATISTICS=DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,02
	Number of Cases Allowed[a]	449389

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
sistolik kan basıncı	74	130,2027	18,95270	100,00	180,00
kilo gruplama	74	2,6892	,96409	1,00	4,00

Mann-Whitney Test

Ranks

	kilo gruplama	N	Mean Rank	Sum of Ranks
sistolik kan basıncı	1,00	12	15,25	183,00
	2,00	13	10,92	142,00
	Total	25		

Test Statistics[a]

	sistolik kan basıncı
Mann-Whitney U	51,000
Wilcoxon W	142,000
Z	-1,512
Asymp. Sig. (2-tailed)	,131
Exact Sig. [2*(1-tailed Sig.)]	,152[b]

a. Grouping Variable: kilo gruplama

b. Not corrected for ties.

```
NPAR TESTS
 /M-W= tasis BY kilogrup(1 3)
 /STATISTICS=DESCRIPTIVES
 /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		28-OCT-2020 16:04:34
Comments		
Input	Data	C:\Users\lenovo\Desktop\IBM SPSS\Kaynak\kruskal - wallis test.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	74
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= tasis BY kilogrup (1 3) /STATISTICS=DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,00
	Number of Cases Allowed[a]	449389

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
sistolik kan basıncı	74	130,2027	18,95270	100,00	180,00
kilo gruplama	74	2,6892	,96409	1,00	4,00

Mann-Whitney Test

Ranks

	kilo gruplama	N	Mean Rank	Sum of Ranks
sistolik kan basıncı	1,00	12	17,63	211,50
	3,00	35	26,19	916,50
	Total	47		

Test Statistics[a]

	sistolik kan basıncı
Mann-Whitney U	133,500
Wilcoxon W	211,500
Z	-1,890
Asymp. Sig. (2-tailed)	,059

a. Grouping Variable: kilo gruplama

```
NPAR TESTS
 /M-W= tasis BY kilogrup(1 4)
 /STATISTICS=DESCRIPTIVES
 /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		28-OCT-2020 16:04:51
Comments		
Input	Data	C: \Users\lenovo\Desktop\IBM SPSS\Kaynak\kruskal - wallis test.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	74
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= tasis BY kilogrup (1 4) /STATISTICS=DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,00
	Number of Cases Allowed[a]	449389

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
sistolik kan basıncı	74	130,2027	18,95270	100,00	180,00
kilo gruplama	74	2,6892	,96409	1,00	4,00

Mann-Whitney Test

Ranks

	kilo gruplama	N	Mean Rank	Sum of Ranks
sistolik kan basıncı	1,00	12	13,42	161,00
	4,00	14	13,57	190,00
	Total	26		

Test Statistics[a]

	sistolik kan basıncı
Mann-Whitney U	83,000
Wilcoxon W	161,000
Z	-,052
Asymp. Sig. (2-tailed)	,958
Exact Sig. [2*(1-tailed Sig.)]	,980[b]

a. Grouping Variable: kilo gruplama

b. Not corrected for ties.

```
NPAR TESTS
 /M-W= tasis BY kilogrup(2 3)
 /STATISTICS=DESCRIPTIVES
 /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		28-OCT-2020 16:05:03
Comments		
Input	Data	C:\Users\lenovo\Desktop\IBM SPSS\Kaynak\kruskal - wallis test.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	74
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= tasis BY kilogrup (2 3) /STATISTICS=DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,00
	Number of Cases Allowed[a]	449389

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
sistolik kan basıncı	74	130,2027	18,95270	100,00	180,00
kilo gruplama	74	2,6892	,96409	1,00	4,00

Mann-Whitney Test

Ranks

	kilo gruplama	N	Mean Rank	Sum of Ranks
sistolik kan basıncı	2,00	13	14,38	187,00
	3,00	35	28,26	989,00
	Total	48		

Test Statistics[a]

	sistolik kan basıncı
Mann-Whitney U	96,000
Wilcoxon W	187,000
Z	-3,088
Asymp. Sig. (2-tailed)	,002

a. Grouping Variable: kilo gruplama

```
NPAR TESTS
 /M-W= tasis BY kilogrup(2 4)
 /STATISTICS=DESCRIPTIVES
 /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		28-OCT-2020 16:05:14
Comments		
Input	Data	C: \Users\lenovo\Desktop\IBM SPSS\Kaynak\kruskal - wallis test.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	74
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= tasis BY kilogrup (2 4) /STATISTICS=DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,02
	Number of Cases Allowed[a]	449389

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
sistolik kan basıncı	74	130,2027	18,95270	100,00	180,00
kilo gruplama	74	2,6892	,96409	1,00	4,00

Mann-Whitney Test

Ranks

	kilo gruplama	N	Mean Rank	Sum of Ranks
sistolik kan basıncı	2,00	13	12,00	156,00
	4,00	14	15,86	222,00
	Total	27		

Test Statistics[a]

	sistolik kan basıncı
Mann-Whitney U	65,000
Wilcoxon W	156,000
Z	-1,298
Asymp. Sig. (2-tailed)	,194
Exact Sig. [2*(1-tailed Sig.)]	,220[b]

a. Grouping Variable: kilo gruplama

b. Not corrected for ties.

```
NPAR TESTS
 /M-W= tasis BY kilogrup(3 4)
 /STATISTICS=DESCRIPTIVES
 /MISSING ANALYSIS.
```

NPar Tests

Notes

Output Created		28-OCT-2020 16:05:25
Comments		
Input	Data	C: \Users\lenovo\Desktop\IBM SPSS\Kaynak\kruskal - wallis test.sav
	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	74
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= tasis BY kilogrup (3 4) /STATISTICS=DESCRIPTIVES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,00
	Number of Cases Allowed[a]	449389

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
sistolik kan basıncı	74	130,2027	18,95270	100,00	180,00
kilo gruplama	74	2,6892	,96409	1,00	4,00

Mann-Whitney Test

Ranks

	kilo gruplama	N	Mean Rank	Sum of Ranks
sistolik kan basıncı	3,00	35	26,84	939,50
	4,00	14	20,39	285,50
	Total	49		

Test Statistics[a]

	sistolik kan basıncı
Mann-Whitney U	180,500
Wilcoxon W	285,500
Z	-1,445
Asymp. Sig. (2-tailed)	,149

a. Grouping Variable: kilo gruplama