

DATASET ACTIVATE \$DataSet

SAVE OUTFILE=' /Users/antira/Desktop/PP2A /pp2a figure/FIG 5b HEC 1B wst.sav

,'
/COMPRESSED

GET

FILE=' /Users/antira/Desktop/PP2A /pp2a figure/FIG 5b HEC265 wst.sav .

DATASET NAME \$DataSet WINDOW=FRONT.

Dataset Name

Notes

Output Created	22-JUN-2017 10:01:11	
Comments		
Input	Data	/Users/antira/Desktop/PP2A /pp2a figure/FIG 5b HEC265 wst.sav
	Filter	<none>
	Weight	<none>
	Split File	<none>
Syntax	DATASET NAME \$DataSet WINDOW=FRONT.	
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

Warnings

The active dataset will replace the existing dataset named \$DataSet.

SUMMARIZE

/TABLES=wst BY sirna

/FORMAT=VALIDLIST NOCASENUM TOTAL LIMIT=100

/TITLE=' Case Summaries

/MISSING=VARIABLE

/CELLS=COUNT.

Summarize

Notes

Output Created		22-JUN-2017 10:01:40
Comments		
Input	Data	/Users/antira/Desktop/PP2A /pp2a figure/FIG 5b HEC265 wst.sav
	Active Dataset	\$DataSet
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	42
Missing Value Handling	Definition of Missing	For each dependent variable in a table, user-defined missing values for the dependent and all grouping variables are treated as missing.
	Cases Used	Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values.
Syntax		SUMMARIZE /TABLES=wst BY sirna /FORMAT=VALIDLIST NOCASENUM TOTAL LIMIT=100 /TITLE='Case Summaries' /MISSING=VARIABLE /CELLS=COUNT.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[\$DataSet] /Users/antira/Desktop/PP2A /pp2a figure/FIG 5b HEC265 wst.sav

Case Processing Summary^a

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
wst * sirna	42	100.0%	0	0.0%	42	100.0%

a. Limited to first 100 cases.

Case Summaries^a

			wst
sirna	nontarge	1	.76
		2	.59
		3	.69
		4	.62
		5	.72
		6	.63
		7	.67
		8	.73
		9	.70
		10	.64
		11	.62
		12	.72
		13	.67
		14	.70
		15	.72
		16	.62
		17	.69
		18	.66
		19	.70
		20	.55
		21	.64
	Total	N	21
pp2a		1	.58
		2	.55
		3	.59
		4	.57
		5	.56
		6	.54
		7	.54
		8	.53
		9	.46
		10	.47
		11	.40
		12	.59
		13	.53
		14	.54
		15	.61
		16	.50
		17	.56
		18	.50
		19	.60
		20	.59
		21	.56
	Total	N	21
Total		N	42

a. Limited to first 100 cases.

```
T-TEST GROUPS=sirna('nontarget' 'pp2a')
/MISSING=ANALYSIS
/VARIABLES=wst
/CRITERIA=CI(.95).
```

T-Test

Notes

Output Created	22-JUN-2017 10:02:00	
Comments		
Input	Data	/Users/antira/Desktop/PP2A /pp2a figure/FIG 5b HEC265 wst.sav
	Active Dataset	\$DataSet
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	42
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=sirna ('nontarget' 'pp2a') /MISSING=ANALYSIS /VARIABLES=wst /CRITERIA=CI(.95).	
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

Group Statistics

sirna		N	Mean	Std. Deviation	Std. Error Mean
wst	nontarge	21	.6694	.05138	.01121
	pp2a	21	.5411	.05199	.01135

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
wst	Equal variances assumed	.157	.694	8.041	40	.000	.12826	.01595	.09602	.16050
	Equal variances not assumed			8.041	39.994	.000	.12826	.01595	.09602	.16050

*Nonparametric Tests Independent Samples

NPTESTS

/INDEPENDENT TEST (wst) GROUP (sirna) MANN_WHITNEY
/MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE
/CRITERIA ALPHA=0.05 CILEVEL=95.

Nonparametric Tests

Notes

Output Created	22-JUN-2017 10:02:14	
Comments		
Input	Data	/Users/antira/Desktop/PP2A /pp2a figure/FIG 5b HEC265 wst.sav
	Active Dataset	\$DataSet
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	42
Syntax	NPTESTS /INDEPENDENT TEST (wst) GROUP (sirna) MANN_WHITNEY /MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE /CRITERIA ALPHA=0. 05 CILEVEL=95.	
Resources	Processor Time	00:00:00.11
	Elapsed Time	00:00:00.00

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of wst is the same across categories of sirna.	Independent-Samples Mann-Whitney U Test	.000	Reject the null hypothesis.

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