

Your temporary usage period for IBM SPSS Statistics will expire in 3809 days.

```
EXAMINE VARIABLES=Nilai BY Kelas
  /PLOT BOXPLOT STEMLEAF SPREADLEVEL
  /COMPARE GROUPS
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.
```

Explore

Notes

Output Created		27-JUL-2025 10:53:08
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	13
Missing Value Handling	Definition of Missing	User-defined missing values for dependent variables are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any dependent variable or factor used.
Syntax		EXAMINE VARIABLES=Nilai BY Kelas /PLOT BOXPLOT STEMLEAF SPREADLEVEL /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.

Notes

Resources	Processor Time	00:00:02.28
	Elapsed Time	00:00:01.93

[DataSet0]

Warnings

The regression slope of the spread vs.level plot for Nilai*Kelas cannot be computed because there are not enough unique spread/level pairs.

Kelas

Case Processing Summary

		Valid		Cases Missing		Total	
Kelas		N	Percent	N	Percent	N	Percent
Nilai	Posttest	13	100.0%	0	0.0%	13	100.0%

Descriptives

Kelas		Statistic		Std. Error
Nilai	Posttest	Mean	83.85	2.195
	95% Confidence Interval for Mean	Lower Bound	79.06	
		Upper Bound	88.63	
	5% Trimmed Mean		83.44	
	Median		80.00	
	Variance		62.641	
	Std. Deviation		7.915	
	Minimum		75	
	Maximum		100	
	Range		25	
	Interquartile Range		13	
	Skewness		.754	.616
	Kurtosis		-.446	1.191

Test of Homogeneity of Variance

		Levene Statistic
Nilai	Based on Mean	.

a. There are not enough unique spread/level pairs to compute the Levene statistic.

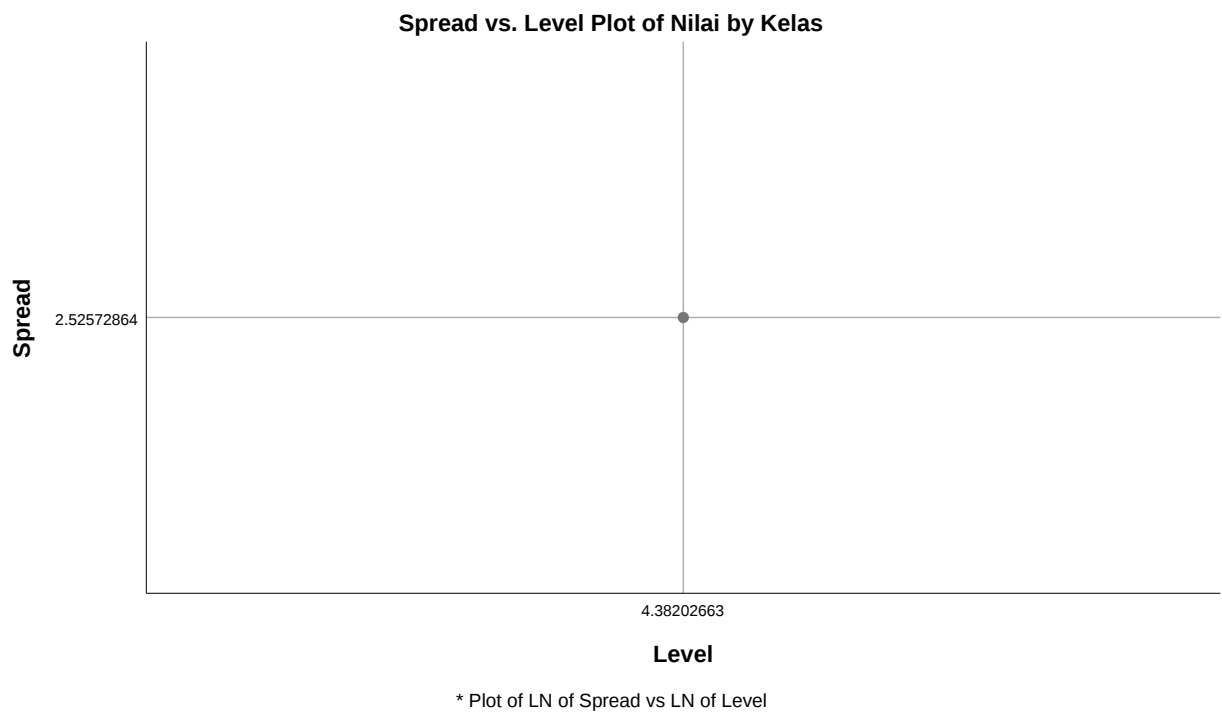
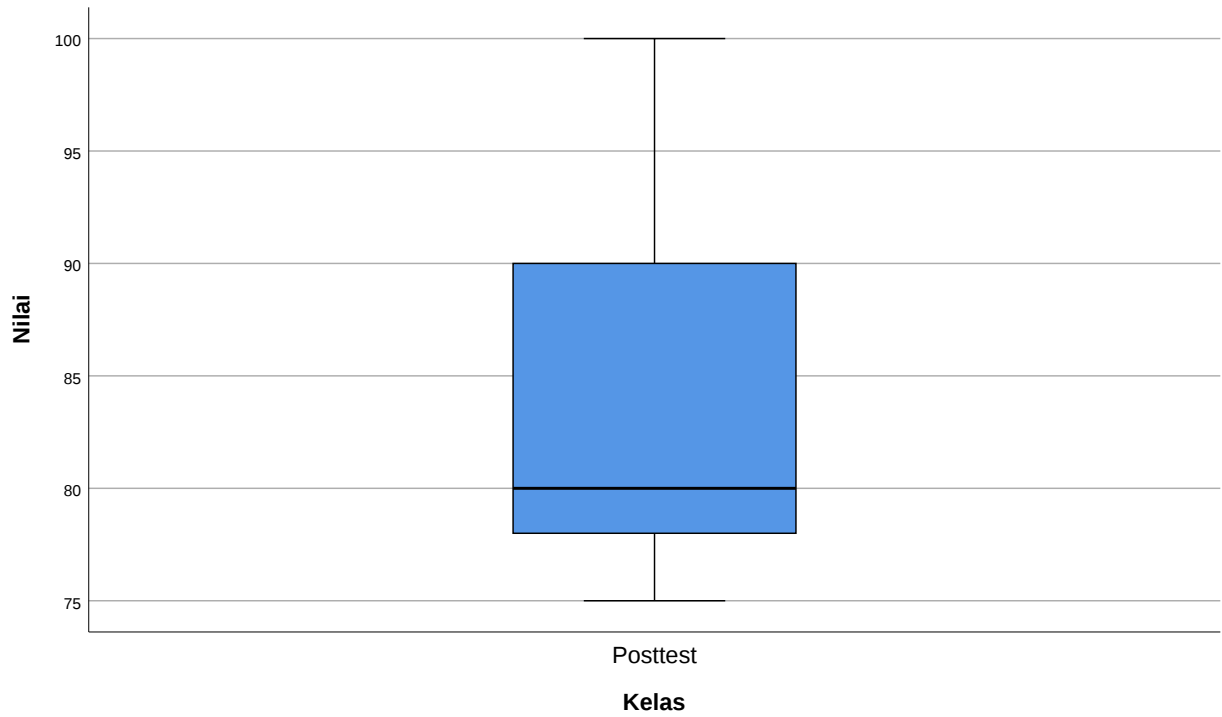
Nilai

Stem-and-Leaf Plots

Nilai Stem-and-Leaf Plot for
Kelas= Posttest

Frequency	Stem &	Leaf
5.00	7 .	55888
4.00	8 .	0047
3.00	9 .	014
1.00	10 .	0

Stem width: 10
Each leaf: 1 case(s)



ONEWAY Nilai BY Kelas
/STATISTICS HOMOGENEITY

/MISSING ANALYSIS.

Oneway

Notes

Output Created		27-JUL-2025 10:57:57
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	13
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY Nilai BY Kelas /STATISTICS HOMOGENEITY /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.07

Warnings

There are fewer than two groups for dependent variable Nilai.
No statistics are computed.

Test of Homogeneity of Variances

		Levene Statistic
Nilai	Based on Mean	. ^a

a. Levene's Test of Equality of Error Variances is not computed because there are less than two nonempty groups.

ONEWAY Nilai BY Kelas
 /STATISTICS HOMOGENEITY
 /MISSING ANALYSIS.

Oneway

Notes

Output Created		27-JUL-2025 11:04:57
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	26
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY Nilai BY Kelas /STATISTICS HOMOGENEITY /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.02

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Nilai	Based on Mean	4.124	1	24	.053
	Based on Median	2.711	1	24	.113
	Based on Median and with adjusted df	2.711	1	21.974	.114
	Based on trimmed mean	3.896	1	24	.060

ANOVA

Nilai

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	5012.346	1	5012.346	40.387	.000
Within Groups	2978.615	24	124.109		
Total	7990.962	25			

T-TEST PAIRS=Pretest WITH Posttest (PAIRED)
 /CRITERIA=CI(.9500)
 /MISSING=ANALYSIS.

T-Test

Notes

Output Created		27-JUL-2025 11:13:14
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	26
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 PAIRS=Pretest WITH Posttest (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.01

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Pretest	56.08	13	13.623	3.778
	Posttest	83.85	13	7.915	2.195

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Pretest & Posttest	13	.493	.087

Paired Samples Test

		Paired Differences				
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference	
					Lower	Upper
Pair 1	Pretest - Posttest	-27.769	11.910	3.303	-34.967	-20.572

Paired Samples Test

		t	df	Sig. (2-tailed)
Pair 1	Pretest - Posttest	-8.406	12	.000