

Your license renewal date has passed. This product will stop working if a new license is not installed soon.

PRESERVE.

SET DECIMAL DOT.

GET DATA /TYPE=TXT

/FILE="M:\OusBiostat\Kurs-foredrag\Masterclass\Masterclass-Bootstrap\Eksempel\Eksempel-programmer\SPSS\RoykeSlutt.csv"

/ENCODING='UTF8'

/DELIMITERS=";"

/QUALIFIER='"'

/ARRANGEMENT=DELIMITED

/FIRSTCASE=2

/DATATYPEMIN PERCENTAGE=95.0

/VARIABLES=

Intervensjon AUTO

Motivasjon AUTO

Sluttet6m AUTO

/MAP.

RESTORE.

CACHE.

EXECUTE.

Data written to the working file.

3 variables and 58 cases written.

Variable: Intervensjon Type: Number Format : F1

Variable: Motivasjon Type: Number Format : F2 One or more values were set to system-missing.

Variable: Sluttet6m Type: Number Format : F1 One or more values were set to system-missing.

Substitute the following to build syntax for these data.

/VARIABLES=

Intervensjon F1

Motivasjon F2

Sluttet6m F1

DATASET NAME DataSet1 WINDOW=FRONT.

PRESERVE.

SET RNG=MT MTINDEX=3.

SHOW RNG.

SHOW

Notes

Output Created		21-JAN-2023 21:57:07
Comments		
Input	Data	M:\OusBiostat\Kurs-foredrag\Masterclass\Masterclass-Bootstap\Eksempel\Eksempel-programmer\SPSS\Royke Slutt.csv
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	58
Syntax		SHOW RNG.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

[DataSet1]

System Settings

Keyword	Description	Setting
RNG	Random number generator	MT (Mersenne Twister)

```

BOOTSTRAP
/SAMPLING METHOD=SIMPLE
/VARIABLES TARGET=Motivasjon
/CRITERIA CILEVEL=95 CITYPE=PERCENTILE NSAMPLES=10000
/MISSING USERMISSING=EXCLUDE.

```

Bootstrap

Notes

Output Created		21-JAN-2023 21:57:07
Comments		
Input	Data	M:\OusBiostat\Kurs-foredrag\Masterclass\Masterclass-Bootstap\Eksempel\Eksempel-programmer\SPSS\Royke Slutt.csv
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	58
Syntax		BOOTSTRAP /SAMPLING METHOD=SIMPLE /VARIABLES TARGET=Motivasjon /CRITERIA CILEVEL=95 CITYPE=PERCENTILE NSAMPLES=10000 /MISSING USERMISSING=EXCLUDE. E.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02

Bootstrap Specifications

Sampling Method	Simple
Number of Samples	10000
Confidence Interval Level	95.0%
Confidence Interval Type	Percentile

```
MEANS TABLES=Motivasjon
/CELLS=MEAN COUNT STDDEV.
```

Means

Notes

Output Created		21-JAN-2023 21:57:07
Comments		
Input	Data	M:\OusBiostat\Kurs-foredrag\Masterclass\Masterclass-Bootstap\Eksempel\Eksempel-programmer\SPSS\Royke Slutt.csv
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	362292
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		MEANS TABLES=Motivasjon /CELLS=MEAN COUNT STDDEV.
Resources	Processor Time	00:00:04.08
	Elapsed Time	00:00:02.77

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Motivasjon	57	100.0%	0	0.0%	57	100.0%

Report

Motivasjon

	Statistic	Bias	Std. Error	Bootstrap ^a 95% Confidence Interval	
				Lower	Upper
Mean	8.49	.00	.25	7.98	8.95
N	57	0	0	57	57
Std. Deviation	1.910	-.034	.252	1.381	2.359

a. Unless otherwise noted, bootstrap results are based on 10000 bootstrap samples

```
RESTORE.
PRESERVE.
SET RNG=MT MTINDEX=3.
SHOW RNG.
```

SHOW

Notes

Output Created		21-JAN-2023 21:58:14
Comments		
Input	Data	M:\OusBiostat\Kurs-foredrag\Masterclass\Masterclass-Bootstrap\Eksempel\Eksempel-programmer\SPSS\Royke Slutt.csv
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
Syntax		SHOW RNG.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

System Settings

Keyword	Description	Setting
RNG	Random number generator	MT (Mersenne Twister)

```

BOOTSTRAP
/SAMPLING METHOD=SIMPLE
/VARIABLES TARGET=Motivasjon
/CRITERIA CILEVEL=95 CITYPE=PERCENTILE NSAMPLES=10000

```

Bootstrap

Notes

Output Created		21-JAN-2023 21:58:14
Comments		
Input	Data	M:\OusBiostat\Kurs-foredrag\Masterclass\Masterclass-Bootstap\Eksempel\Eksempel-programmer\SPSS\Royke Slutt.csv
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
Syntax		BOOTSTRAP /SAMPLING METHOD=SIMPLE /VARIABLES TARGET=Motivasjon /CRITERIA CILEVEL=95 CITYPE=PERCENTILE NSAMPLES=10000 /MISSING USERMISSING=EXCLUDE.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02

Bootstrap Specifications

Sampling Method	Simple
Number of Samples	10000
Confidence Interval Level	95.0%
Confidence Interval Type	Percentile

```

EXAMINE VARIABLES=Motivasjon
/PLOT BOXPLOT STEMLEAF
/COMPARE GROUPS

```

```

/STATISTICS DESCRIPTIVES
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.

```

Explore

Notes

Output Created		21-JAN-2023 21:58:14
Comments		
Input	Data	M:\OusBiostat\Kurs-foredrag\Masterclass\Masterclass-Bootstap\Eksempel\Eksempel-programmer\SPSS\Royke Slutt.csv
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	362292
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=Motivasjon /PLOT BOXPLOT STEMLEAF /COMPARE GROUPS /STATISTICS DESCRIPTIVES /CINTERVAL 95 /MISSING LISTWISE /NOTOTAL.
Resources	Processor Time	00:00:06.19
	Elapsed Time	00:00:04.01

Case Processing Summary

	Valid		Cases Missing		Total	
	N	Percent	N	Percent	N	Percent
Motivasjon	57	100.0%	0	0.0%	57	100.0%

Descriptives

				Bootstrap ^a		
				Std. Error		
				Bias	Std. Error	
Motivasjon	Mean		8.49	.253	.00	.25
	95% Confidence Interval for Mean	Lower Bound	7.98			
		Upper Bound	9.00			
	5% Trimmed Mean		8.72		-.02	.25
	Median		9.00		.14	.59
	Variance		3.647		-.067	.947
	Std. Deviation		1.910		-.034	.252
	Minimum		2			
	Maximum		10			
	Range		8			
	Interquartile Range		3		0	0
	Skewness		-1.508	.316	.080	.327
	Kurtosis		2.215	.623	-.234	1.442

Descriptives

		Bootstrap ^a	
		95% Confidence Interval	
		Lower	Upper
Motivasjon	Mean	7.98	8.95
	95% Confidence Interval for Mean	Lower Bound	
		Upper Bound	
	5% Trimmed Mean	8.17	9.14
	Median	8.00	10.00
	Variance	1.908	5.563
	Std. Deviation	1.381	2.359
	Minimum		
	Maximum		
	Range		
	Interquartile Range	2	3
	Skewness	-2.092	-.783
	Kurtosis	-.281	5.416

a. Unless otherwise noted, bootstrap results are based on 10000 bootstrap samples

```
RESTORE.
PRESERVE.
SET RNG=MT MTINDEX=3.
SHOW RNG.
```

SHOW

Notes

Output Created		21-JAN-2023 21:58:58
Comments		
Input	Data	M:\OusBiostat\Kurs-foredrag\Masterclass\Masterclass-Bootstrap\Eksempel\Eksempel-programmer\SPSS\Royke Slutt.csv
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
Syntax		SHOW RNG.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00

System Settings

Keyword	Description	Setting
RNG	Random number generator	MT (Mersenne Twister)

```

BOOTSTRAP
/SAMPLING METHOD=SIMPLE
/VARIABLES TARGET=Motivasjon INPUT=Sluttet6m
/CRITERIA CILEVEL=95 CITYPE=PERCENTILE NSAMPLES=10000
/MISSING USERMISSING=EXCLUDE.

```

Bootstrap

Notes

Output Created		21-JAN-2023 21:58:58
Comments		
Input	Data	M:\OusBiostat\Kurs-foredrag\Masterclass\Masterclass-Bootstrap\Eksempel\Eksempel-programmer\SPSS\Royke Slutt.csv
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
Syntax		BOOTSTRAP /SAMPLING METHOD=SIMPLE /VARIABLES TARGET=Motivasjon INPUT=Sluttet6m /CRITERIA CILEVEL=95 CITYPE=PERCENTILE NSAMPLES=10000 /MISSING USERMISSING=EXCLUDE. E.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.01

Bootstrap Specifications

Sampling Method	Simple
Number of Samples	10000
Confidence Interval Level	95.0%
Confidence Interval Type	Percentile

```

T-TEST GROUPS=Sluttet6m(0 1)
/MISSING=ANALYSIS
/VARIABLES=Motivasjon
/ES DISPLAY(TRUE)
/CRITERIA=CI(.95).

```

T-Test

Notes

Output Created		21-JAN-2023 21:58:58
Comments		
Input	Data	M:\OusBiostat\Kursforedrag\Masterclass\Masterclass-Bootstap\Eksempel\Eksempel-programmer\SPSS\Royke Slutt.csv
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	349335
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=Sluttet6m(0 1) /MISSING=ANALYSIS /VARIABLES=Motivasjon /ES DISPLAY(TRUE) /CRITERIA=CI(.95).
Resources	Processor Time	00:00:15.17
	Elapsed Time	00:00:57.17

Group Statistics

				Bootstrap ^a				
						95% Confidence Interval		
Sluttet6m				Statistic	Bias	Std. Error	Lower	Upper
Motivasjon	0	N	40					
		Mean	8.23	.00	.33	7.55	8.84	
		Std. Deviation	2.094	-.044	.294	1.460	2.609	
		Std. Error Mean	.331					
	1	N	15					
		Mean	9.07	.00	.33	8.38	9.69	
		Std. Deviation	1.280	-.058	.186	.775	1.483	
		Std. Error Mean	.330					

a. Unless otherwise noted, bootstrap results are based on 10000 bootstrap samples

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means	
		F	Sig.	t	df
Motivasjon	Equal variances assumed	1.987	.164	-1.453	53
	Equal variances not assumed			-1.799	41.277

Independent Samples Test

		t-test for Equality of Means			
		Significance		Mean Difference	Std. Error Difference
		One-Sided p	Two-Sided p		
Motivasjon	Equal variances assumed	.076	.152	-.842	.579
	Equal variances not assumed	.040	.079	-.842	.468

Independent Samples Test

		t-test for Equality of Means	
		95% Confidence Interval of the Difference	
		Lower	Upper
Motivasjon	Equal variances assumed	-2.003	.320
	Equal variances not assumed	-1.786	.103

Bootstrap for Independent Samples Test

		Mean Difference	Bias	Bootstrap ^a		
				Std. Error	95% Confidence Interval	
					Lower	Upper
Motivasjon	Equal variances assumed	-.842	-.007	.464	-1.746	.063
	Equal variances not assumed	-.842	-.007	.464	-1.746	.063

a. Unless otherwise noted, bootstrap results are based on 10000 bootstrap samples

Independent Samples Effect Sizes

				95% Confidence Interval	
Standardizer ^a			Point Estimate	Lower	Upper
Motivasjon	Cohen's d	1.913	-.440	-1.037	.161
	Hedges' correction	1.940	-.434	-1.022	.159
	Glass's delta	1.280	-.658	-1.288	-.007

a. The denominator used in estimating the effect sizes.

Cohen's d uses the pooled standard deviation.

Hedges' correction uses the pooled standard deviation, plus a correction factor.

Glass's delta uses the sample standard deviation of the control group.

RESTORE.