```
DESCRIPTIVES VARIABLES=Timestamp
  /SAVE
  /STATISTICS=MEAN STDDEV MIN MAX
  /SORT=MEAN (A).
```

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Timestamp	15	02-APR-2025	05-APR-2025	04-APR-2025	1 06:49:06.155
Valid N (listwise)	15				

```
FREQUENCIES VARIABLES=Gender Classlevel AgeRange
  /STATISTICS=STDDEV SEMEAN MEAN MEDIAN MODE SUM
  /BARCHART PERCENT
  /ORDER=ANALYSIS.
```

Frequencies

Statistics

		Gender	Class level	Age Range
N	Valid	15	15	15
	Missing	0	0	0

Frequency Table

Gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Female	6	40.0	40.0	40.0
	Male	9	60.0	60.0	100.0
	Total	15	100.0	100.0	

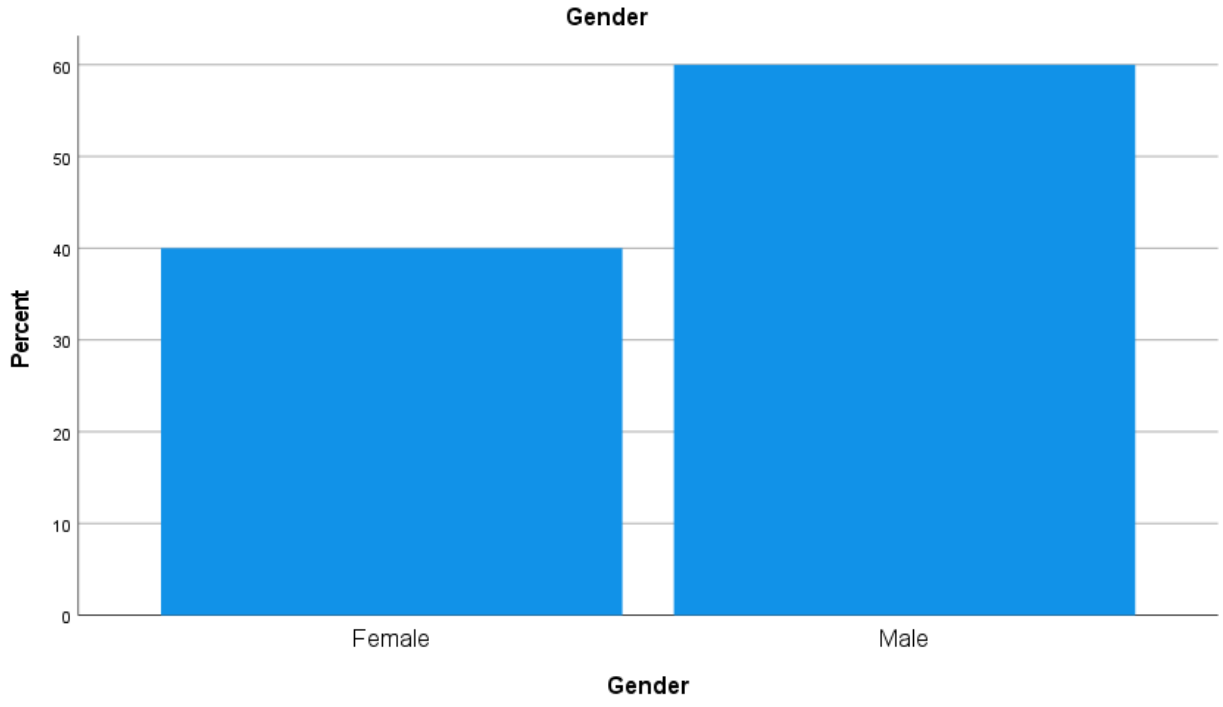
Class level

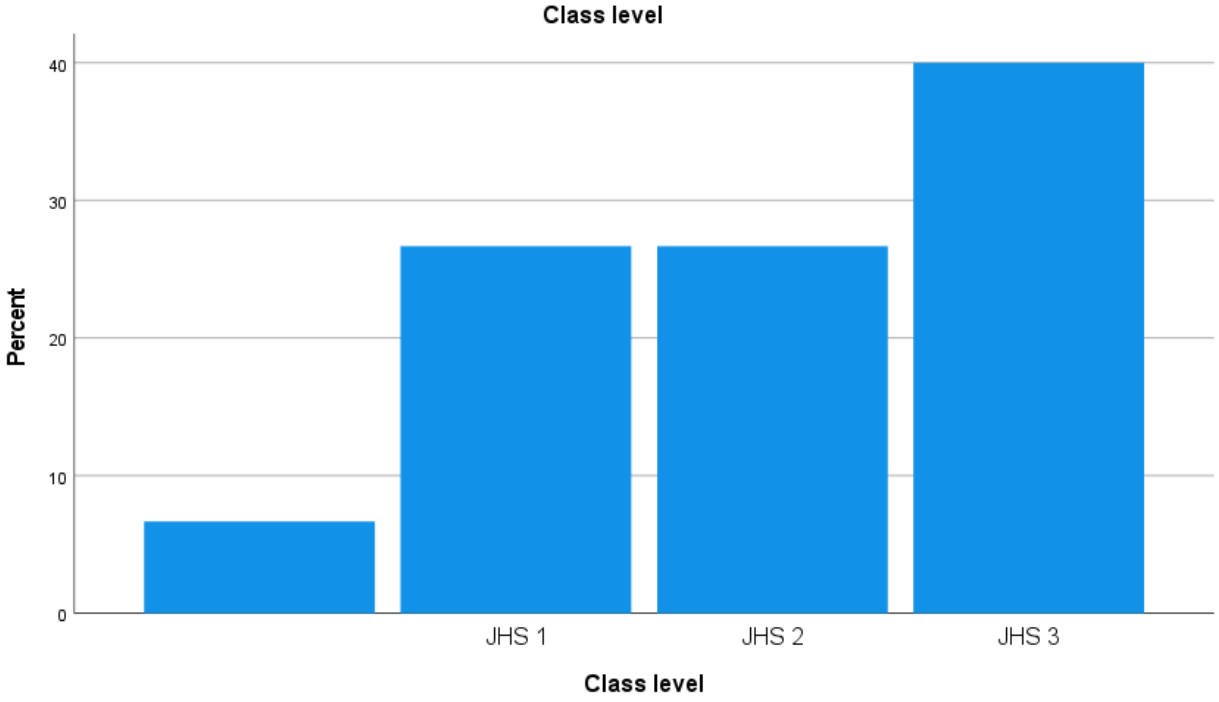
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		1	6.7	6.7	6.7
	JHS 1	4	26.7	26.7	33.3
	JHS 2	4	26.7	26.7	60.0
	JHS 3	6	40.0	40.0	100.0
	Total	15	100.0	100.0	

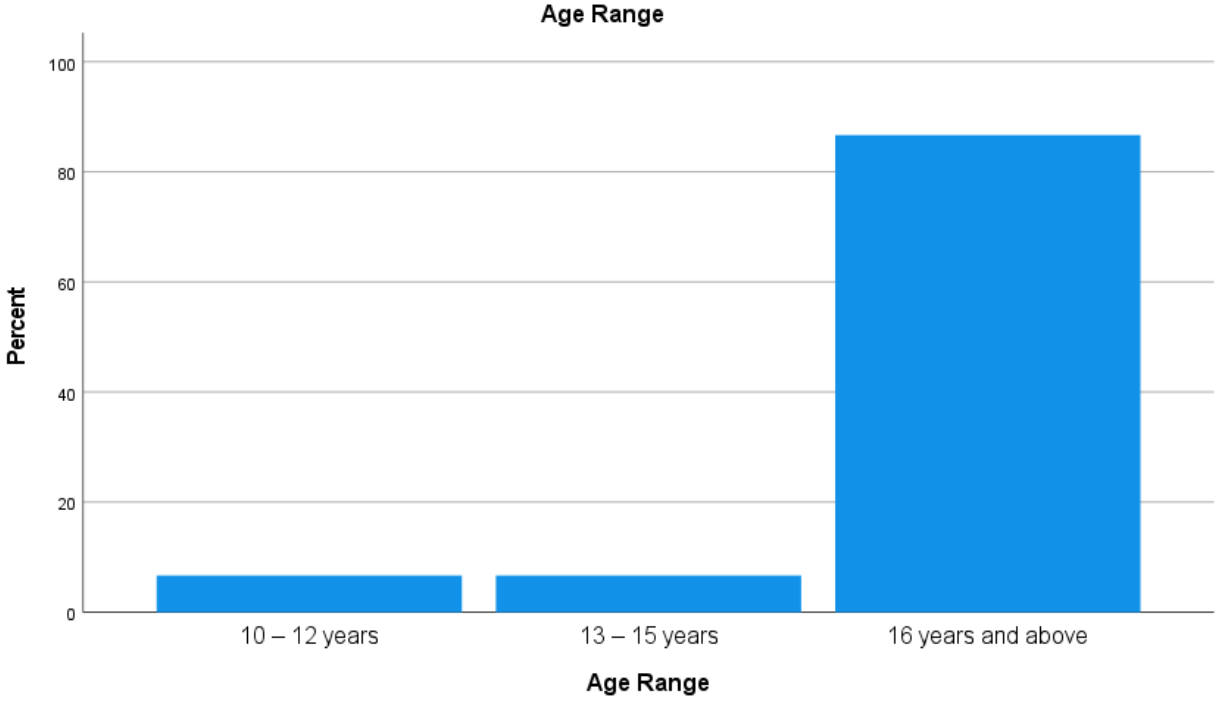
Age Range

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	10 – 12 years	1	6.7	6.7	6.7
	13 – 15 years	1	6.7	6.7	13.3
	16 years and above	13	86.7	86.7	100.0
	Total	15	100.0	100.0	

Bar Chart




Class level
40
30
20
10
0
Percent
JHS 1
JHS 2
JHS 3
Class level


Age Range
100
80
60
40
20
0
Percent
10 – 12 years
13 – 15 years
16 years and above
Age Range

```
BOOTSTRAP
  /SAMPLING METHOD=STRATIFIED(STRATA=Gender AgeRange Classlevel )
  /VARIABLES TARGET=Timestamp INPUT=Gender AgeRange
  /CRITERIA CILEVEL=95 CITYPE=PERCENTILE  NSAMPLES=1000
  /MISSING USERMISSING=EXCLUDE.
```

Bootstrap

Bootstrap Specifications

Sampling Method	Stratified
Number of Samples	1000
Confidence Interval Level	95.0%
Confidence Interval Type	Percentile
Strata Variables	Gender, Age Range, Class level

```
EXAMINE VARIABLES=Timestamp BY Gender AgeRange
  /ID=Classlevel
  /PLOT BOXPLOT HISTOGRAM NPPLOT
  /COMPARE VARIABLES
  /PERCENTILES(5,10,25,50,75,90,95) HAVERAGE
  /STATISTICS DESCRIPTIVES
  /CINTERVAL 95
  /MISSING LISTWISE
  /NOTOTAL.
```

Explore

Gender

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	Gender	N	Percent	N	Percent	N	Percent
Timestamp	Female	6	100.0%	0	0.0%	6	100.0%

	Male	9	100.0%	0	0.0%	9	100.0%

Descriptives

	Gender			Statistic	Std. Error
Timestamp	Female	Mean		03-APR-2025	12:13:10.621
		95% Confidence Interval for Mean	Lower Bound	02-APR-2025	
			Upper Bound	05-APR-2025	
		5% Trimmed Mean		03-APR-2025	
		Median		03-APR-2025	
		Variance		11611048251.387	
		Std. Deviation		1 05:55:54.574	
		Minimum		02-APR-2025	
		Maximum		05-APR-2025	
		Range		3 10:19:39	
		Interquartile Range		2 04:12:51	
		Skewness		.739	.845
		Kurtosis		.164	1.741
	Male	Mean		04-APR-2025	10:47:12.771
		95% Confidence Interval for Mean	Lower Bound	03-APR-2025	
			Upper Bound	05-APR-2025	
		5% Trimmed Mean		04-APR-2025	
		Median		03-APR-2025	
		Variance		13571857005.670	
		Std. Deviation		1 08:21:38.313	
		Minimum		02-APR-2025	
		Maximum		05-APR-2025	
		Range		3 04:45:26	
		Interquartile Range		2 20:34:45	
		Skewness		.160	.717
		Kurtosis		-1.990	1.400

Descriptives

			Bootstrap[a]	
Gender			Bias	Std. Error

Timestamp	Female	Mean		.	.
		95% Confidence Interval for Mean	Lower Bound		
			Upper Bound		
		5% Trimmed Mean		.	.
		Median		.	.
		Variance		-173209583.597	1172141058.582
		Std. Deviation		- 00:15:46.846	01:31:15.197
		Minimum			
		Maximum			
		Range			
		Interquartile Range		- 06:44:54	07:50:56
		Skewness		.040	.335
		Kurtosis		.395	1.207
	Male	Mean		.	.
		95% Confidence Interval for Mean	Lower Bound		
			Upper Bound		
		5% Trimmed Mean		.	.
		Median		.	.
		Variance		-792158916.287	1437010852.840
		Std. Deviation		- 01:01:07.603	01:56:38.424
		Minimum			
		Maximum			
		Range			
		Interquartile Range		- 06:59:36	08:29:57
		Skewness		.002	.490
		Kurtosis		.390	.819

Descriptives

				Bootstrap 95% Confidence Interval	
	Gender			Lower	Upper
Timestamp	Female	Mean		03-APR-2025	04-APR-2025
		95% Confidence Interval for Mean	Lower Bound		
			Upper Bound		
		5% Trimmed Mean		03-APR-2025	04-APR-2025
		Median		03-APR-2025	04-APR-2025
		Variance		9392725083.098	13829363146.827

		Std. Deviation	1 02:55:16.072	1 08:39:58.313
		Minimum		
		Maximum		
		Range		
		Interquartile Range	1 02:47:44	2 04:12:51
		Skewness	.219	1.359
		Kurtosis	-1.439	2.922
	Male	Mean	03-APR-2025	04-APR-2025
		95% Confidence Interval for Mean — Lower Bound		
		95% Confidence Interval for Mean — Upper Bound		
		5% Trimmed Mean	03-APR-2025	04-APR-2025
		Median	03-APR-2025	04-APR-2025
		Variance	9196075520.595	14544247700.081
		Std. Deviation	1 02:38:16.171	1 09:29:59.534
		Minimum		
		Maximum		
		Range		
		Interquartile Range	1 10:20:47	2 20:41:55
		Skewness	-.436	1.549
		Kurtosis	-2.197	1.375

a. Unless otherwise noted, bootstrap results are based on 1000 stratified bootstrap samples

Percentiles

					Bootstrap[a]	
		Gender	Percentiles	Percentile	Bias	Std. Error
Weighted Average(Definition 1)	Timestamp	Female	5	02-APR-2025	.	.
			10	02-APR-2025	.	.
			25	02-APR-2025	.	.
			50	03-APR-2025	.	.
			75	04-APR-2025	.	.
			90	.	.[b]	.[b]
			95	.	.[b]	.[b]
		Male	5	02-APR-2025	.	.
			10	02-APR-2025	.	.
			25	02-APR-2025	.	.

			50	03-APR-2025	.	.
			75	05-APR-2025	.	.
			90	.	.[b]	.[b]
			95	.	.[b]	.[b]
Tukey's Hinges	Timestamp	Female	25	02-APR-2025	.	.
			50	03-APR-2025	.	.
			75	04-APR-2025	.	.
		Male	25	03-APR-2025	.	.
			50	03-APR-2025	.	.
			75	05-APR-2025	.	.

Percentiles

				Bootstrap 95% Confidence Interval	
		Gender	Percentiles	Lower	Upper
Weighted Average(Definition 1)	Timestamp	Female	5	02-APR-2025	02-APR-2025
			10	02-APR-2025	02-APR-2025
			25	02-APR-2025	03-APR-2025
			50	03-APR-2025	04-APR-2025
			75	04-APR-2025	04-APR-2025
			90	.[b,c]	.[b,c]
			95	.[b,c]	.[b,c]
		Male	5	02-APR-2025	02-APR-2025
			10	02-APR-2025	02-APR-2025
			25	02-APR-2025	03-APR-2025
			50	03-APR-2025	04-APR-2025
			75	04-APR-2025	05-APR-2025
			90	.[b,c]	.[b,c]
			95	.[b,c]	.[b,c]
Tukey's Hinges	Timestamp	Female	25	02-APR-2025	03-APR-2025
			50	03-APR-2025	04-APR-2025
			75	03-APR-2025	04-APR-2025
		Male	25	02-APR-2025	03-APR-2025
			50	03-APR-2025	04-APR-2025
			75	03-APR-2025	05-APR-2025

a. Unless otherwise noted, bootstrap results are based on 1000 stratified bootstrap samples

b. Based on 0 samples

c. A 95% confidence interval requires at least 39 bootstrap samples.

Age Range

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	Age Range	N	Percent	N	Percent	N	Percent
Timestamp	10 – 1	1	100.0%	0	0.0%	1	100.0%
	13 – 1	1	100.0%	0	0.0%	1	100.0%
	16 years	13	100.0%	0	0.0%	13	100.0%

Descriptives[a,b]

	Age Range			Statistic	Std. Error
Timestamp	16 years	Mean		04-APR-2025	08:39:12.454
		95% Confidence Interval for Mean	Lower Bound	03-APR-2025	
			Upper Bound	04-APR-2025	
		5% Trimmed Mean		04-APR-2025	
		Median		03-APR-2025	
		Variance		12616179977.850	
		Std. Deviation		1 07:12:01.770	
		Minimum		02-APR-2025	
		Maximum		05-APR-2025	
		Range		3 10:27:07	
		Interquartile Range		2 20:32:44	
		Skewness		.373	.616
		Kurtosis		-1.492	1.191

Descriptives[a,b]

			Bootstrap[c]	
	Age Range		Bias	Std. Error
Timestamp	16 years	Mean	.	.

	95% Confidence Interval for Mean	Lower Bound		
		Upper Bound		
	5% Trimmed Mean		.	.
	Median		.	.
	Variance		-405334606.132	1218031256.235
	Std. Deviation		- 00:32:48.283	01:35:43.370
	Minimum			
	Maximum			
	Range			
	Interquartile Range		- 08:01:47	09:57:57
	Skewness		.013	.353
	Kurtosis		.213	.677

Descriptives[a,b]

				Bootstrap 95% Confidence Interval	
	Age Range			Lower	Upper
Timestamp	16 years	Mean		03-APR-2025	04-APR-2025
		95% Confidence Interval for Mean	Lower Bound		
			Upper Bound		
		5% Trimmed Mean		03-APR-2025	04-APR-2025
		Median		03-APR-2025	04-APR-2025
		Variance		9314750190.922	14029821638.001
		Std. Deviation		1 02:48:32.953	1 08:54:07.548
		Minimum			
		Maximum			
		Range			
		Interquartile Range		1 02:03:26	3 01:16:26
		Skewness		-.098	1.317
		Kurtosis		-1.838	1.088

a. Timestamp is constant when Age Range = 10 – 1 in one or more split files. It has been omitted.

b. Timestamp is constant when Age Range = 13 – 1 in one or more split files. It has been omitted.

c. Unless otherwise noted, bootstrap results are based on 1000 stratified bootstrap samples

Percentiles[a,b]

Age Range	Percentiles	Percentile	Bootstrap[c]

					Bias
Weighted Average(Definition 1)	Timestamp	16 years	5	02-APR-2025	.
			10	02-APR-2025	.
			25	02-APR-2025	.
			50	03-APR-2025	.
			75	05-APR-2025	.
			90	05-APR-2025	.
			95	.	.[d]
Tukey's Hinges	Timestamp	16 years	25	03-APR-2025	.
			50	03-APR-2025	.
			75	05-APR-2025	.

Percentiles[a,b]

					Bootstrap 95% Confidence Interval
		Age Range	Percentiles	Std. Error	Lower
Weighted Average(Definition 1)	Timestamp	16 years	5	.	02-APR-2025
			10	.	02-APR-2025
			25	.	02-APR-2025
			50	.	03-APR-2025
			75	.	03-APR-2025
			90	.	05-APR-2025
			95	.[d]	.[d,e]
Tukey's Hinges	Timestamp	16 years	25	.	02-APR-2025
			50	.	03-APR-2025
			75	.	03-APR-2025

Percentiles[a,b]

				Bootstrap 95% Confidence Interval
		Age Range	Percentiles	Upper
Weighted Average(Definition 1)	Timestamp	16 years	5	02-APR-2025
			10	02-APR-2025
			25	03-APR-2025
			50	04-APR-2025
			75	05-APR-2025
			90	05-APR-2025

			95	.[d,e]
Tukey's Hinges	Timestamp	16 years	25	03-APR-2025
			50	04-APR-2025
			75	05-APR-2025

a. Timestamp is constant when Age Range = 10 – 1 in one or more split files. It has been omitted.

b. Timestamp is constant when Age Range = 13 – 1 in one or more split files. It has been omitted.

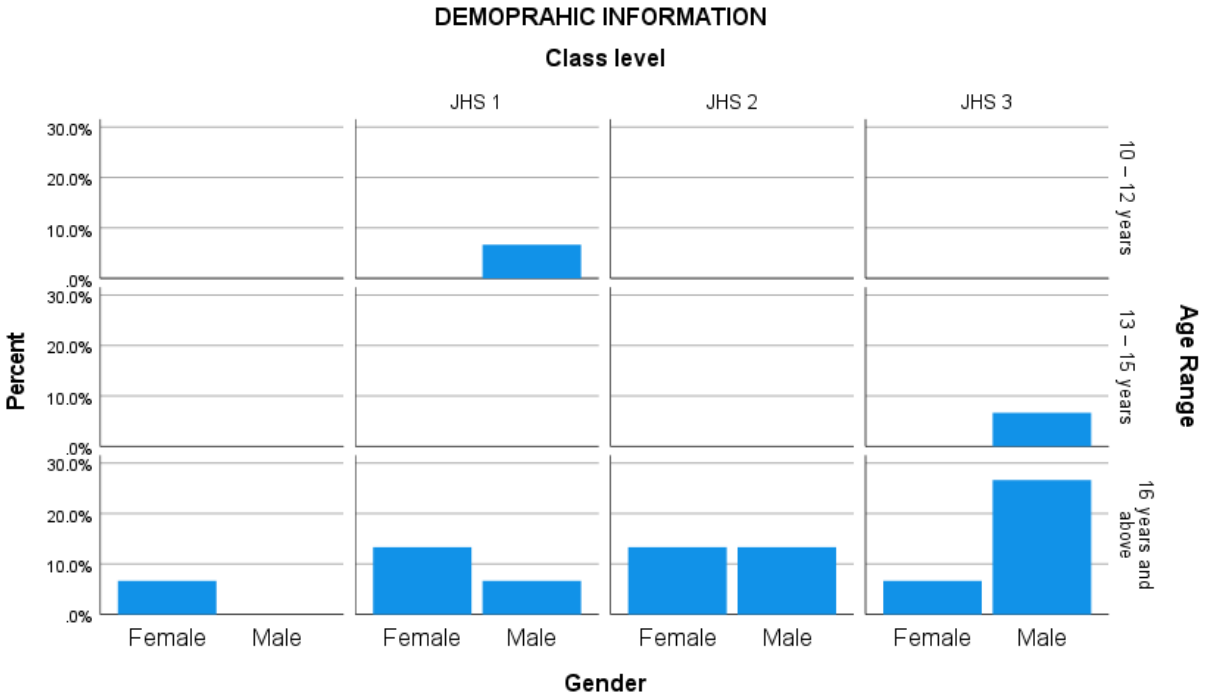
c. Unless otherwise noted, bootstrap results are based on 1000 stratified bootstrap samples

d. Based on 0 samples

e. A 95% confidence interval requires at least 39 bootstrap samples.

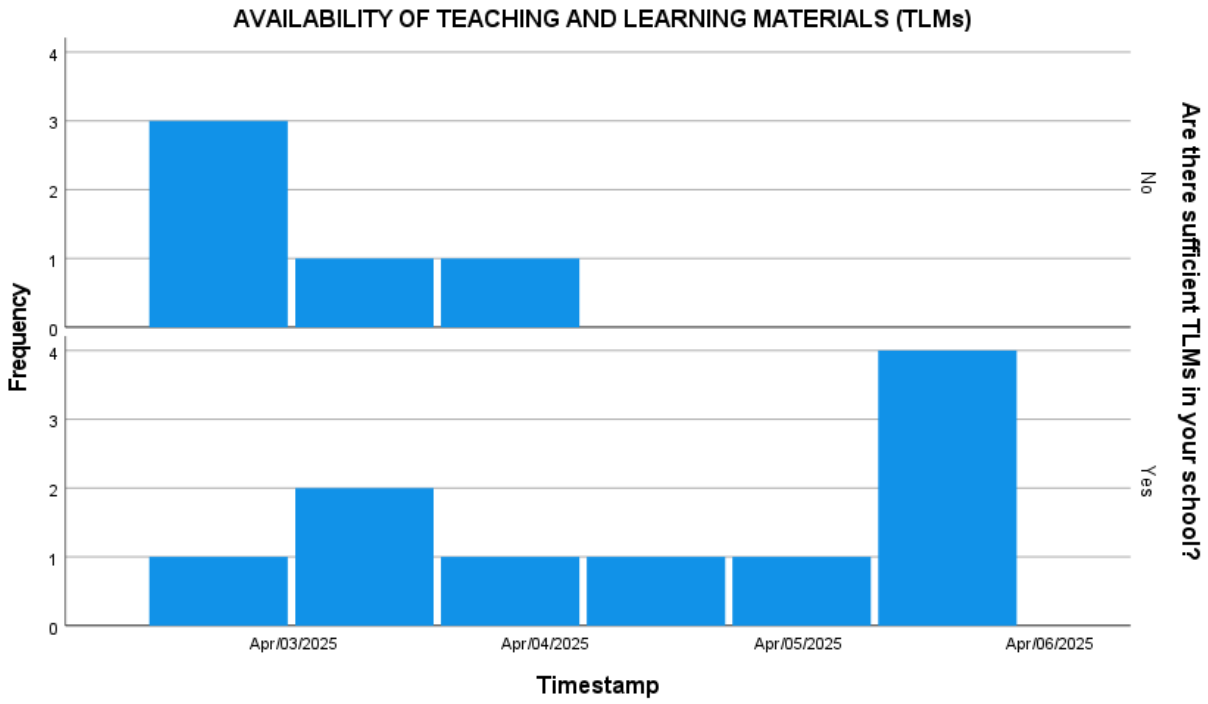
```
GRAPH
  /BAR(SIMPLE)=PCT BY Gender
  /PANEL COLVAR=Classlevel COLOP=CROSS ROWVAR=AgeRange ROWOP=CROSS
  /TITLE='DEMOPRAHIC INFORMATION '.
```

Graph



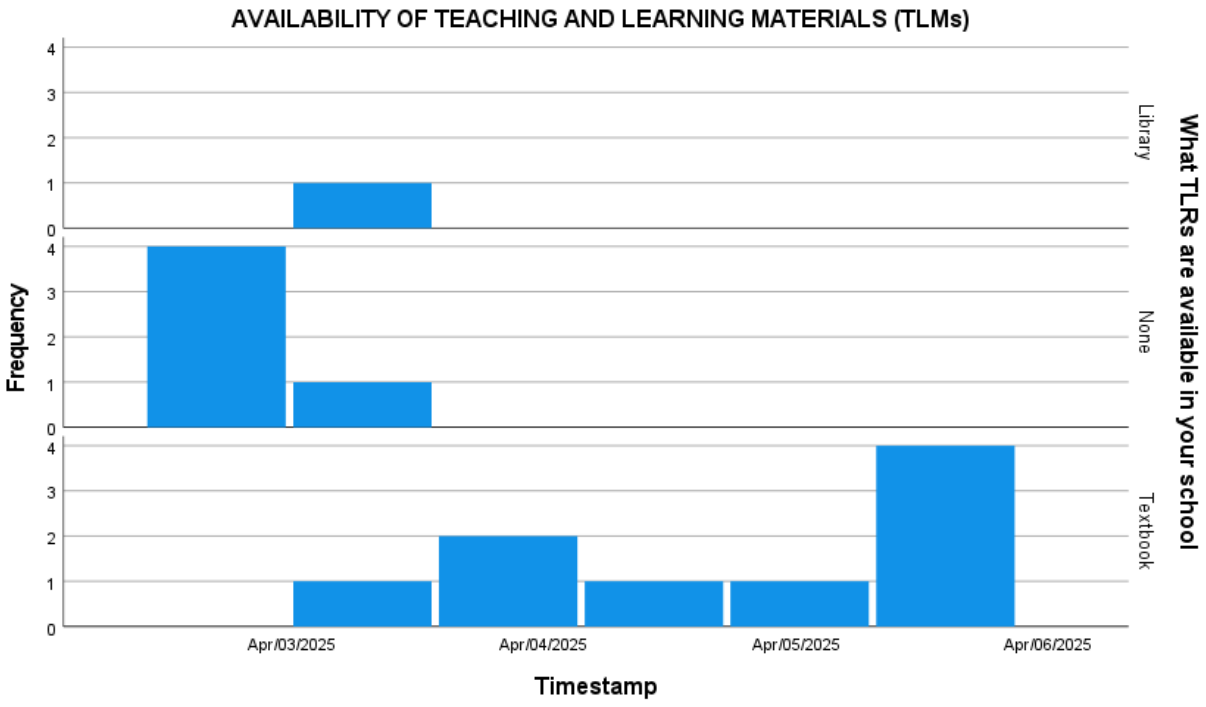
```
GRAPH
  /HISTOGRAM=Timestamp
  /PANEL ROWVAR=AretheresufficientTLMsinyourschool ROWOP=CROSS
  /TITLE='AVAILABILITY OF TEACHING AND LEARNING MATERIALS (TLMs)'.
```

Graph



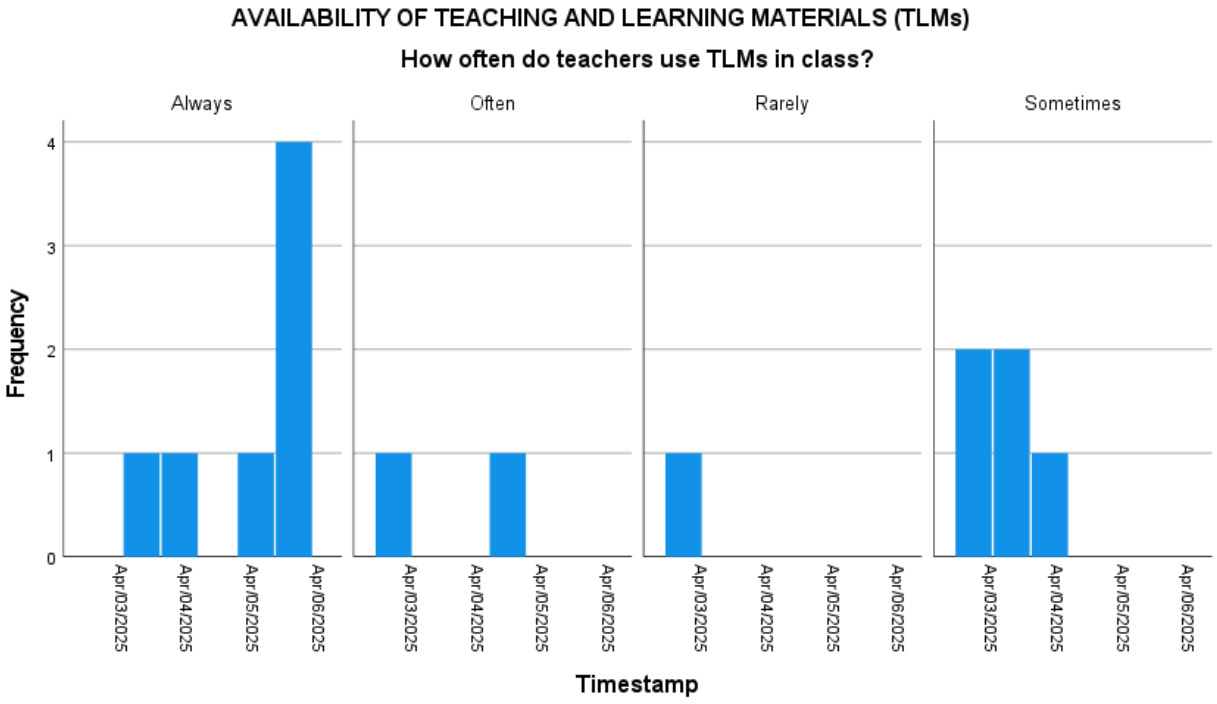

```
GRAPH
  /HISTOGRAM=Timestamp
  /PANEL ROWVAR=WhatTLRsareavailableinyourschool ROWOP=CROSS
  /TITLE='AVAILABILITY OF TEACHING AND LEARNING MATERIALS (TLMs)'.
```

Graph



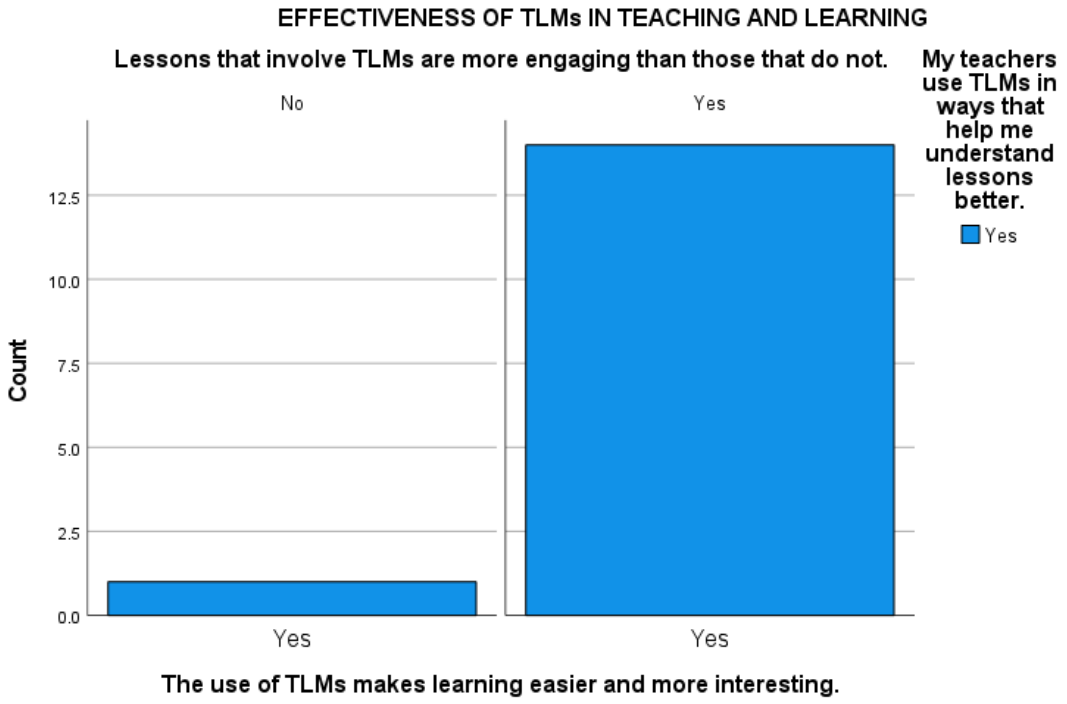

```
GRAPH
  /HISTOGRAM=Timestamp
  /PANEL COLVAR=HowoftendoteachersuseTLMsinclass COLOP=CROSS
  /TITLE='AVAILABILITY OF TEACHING AND LEARNING MATERIALS (TLMs)'.
```

Graph



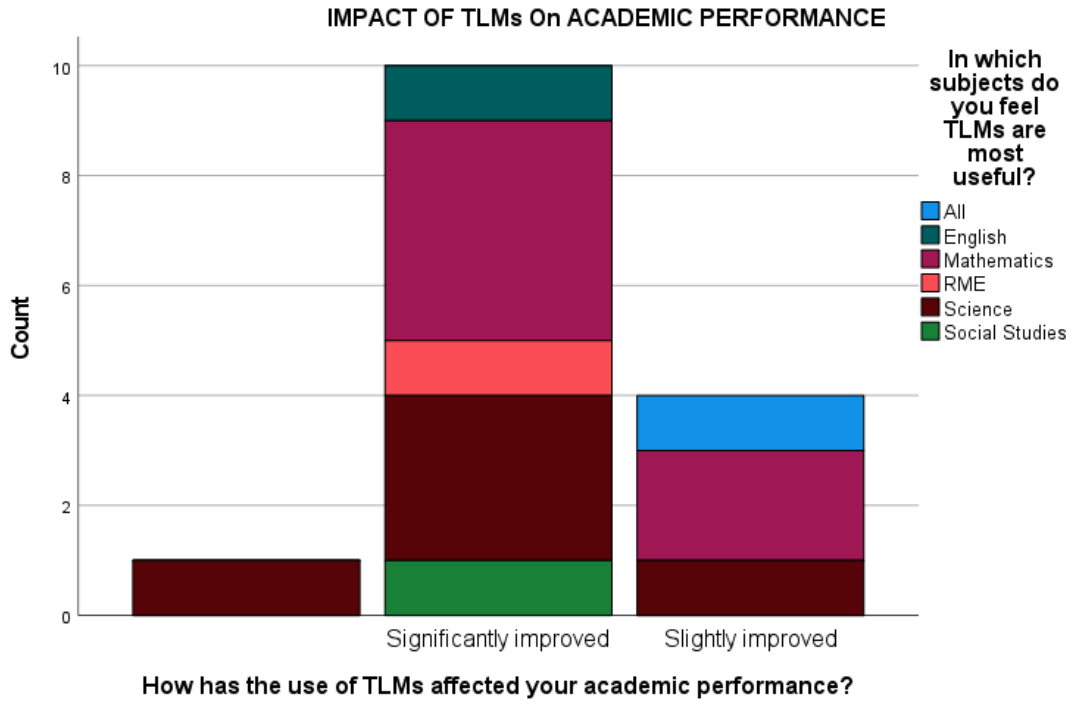

```
GRAPH
  /BAR(GROUPED)=COUNT BY TheuseofTLMsmakeslearningeasierandmoreinteresting BY
    MyteachersuseTLMsinwaysthathelpmeunderstandlessonsbetter
  /PANEL COLVAR=LessonsthatinvolveTLMsaremoreengagingthanthosethatdonot COLOP=CROSS
  /TITLE='EFFECTIVENESS OF TLMs IN TEACHING AND LEARNING'.
```

Graph



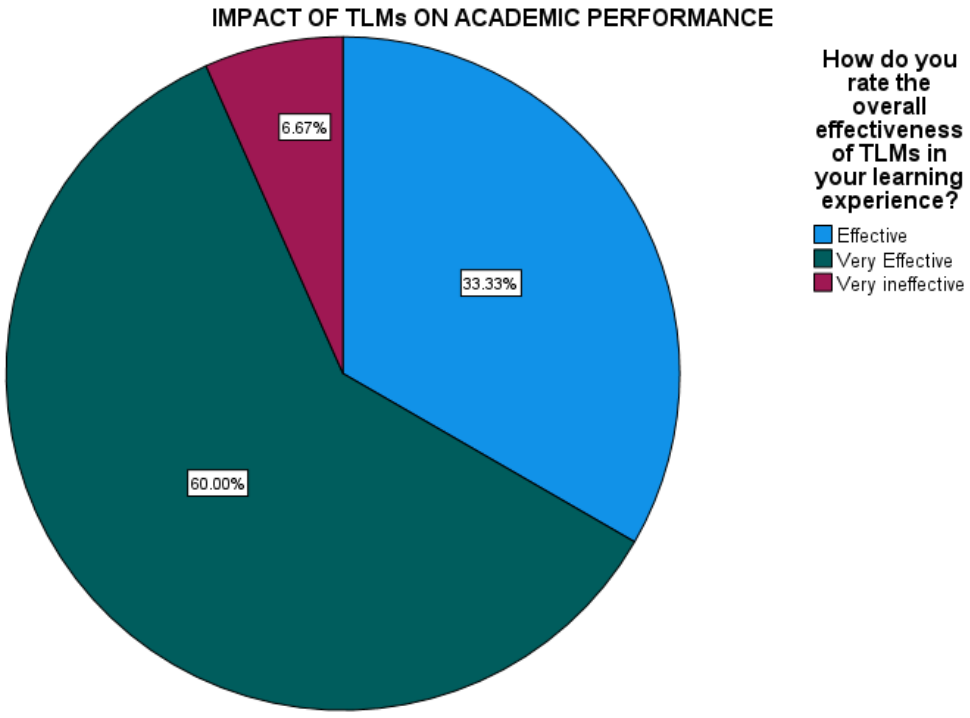

```
GRAPH
  /BAR(STACK)=COUNT BY HowhastheuseofTLMsaffectedyouracademicperformance BY
    InwhichsubjectsdoyoufeelTLMsaremostuseful
  /TITLE='IMPACT OF TLMs On ACADEMIC PERFORMANCE'.
```

Graph



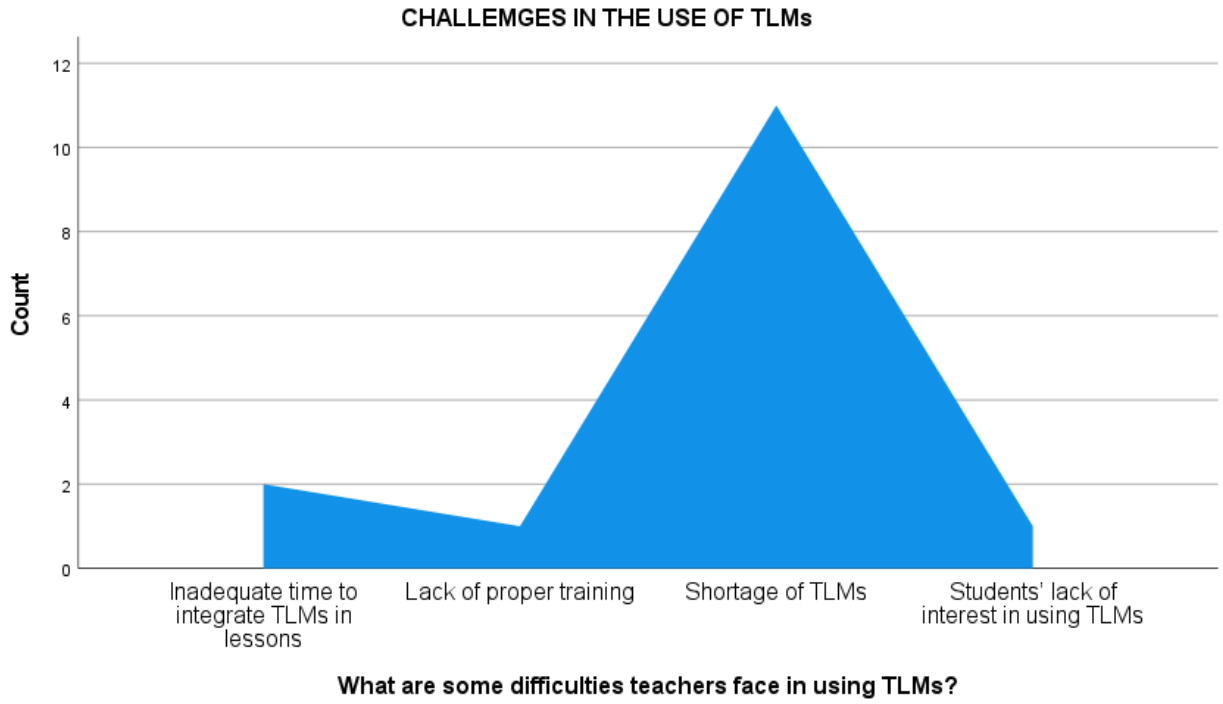

```
GRAPH
  /PIE=COUNT BY HowdoyouratetheoveralleffectivenessofTLMsinyourlearningexperienc
  /TITLE='IMPACT OF TLMs ON ACADEMIC PERFORMANCE'.
```

Graph



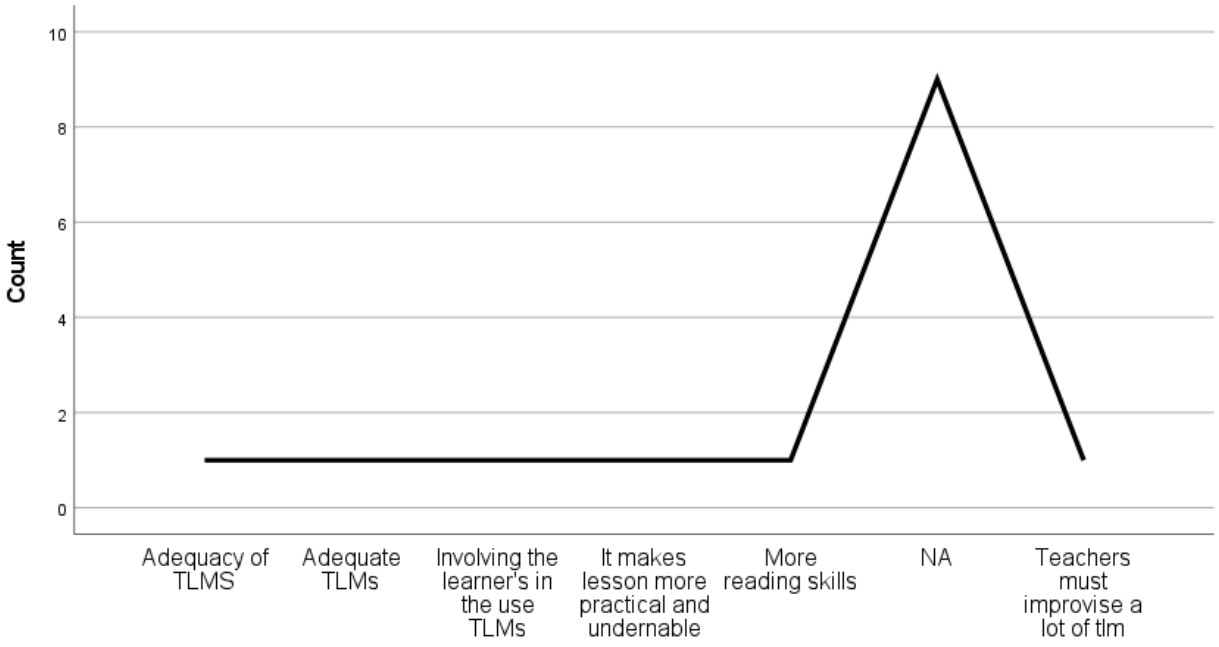

```
GRAPH
  /LINE(AREA)=COUNT BY WhataresomedifficultiesteachersfaceinusingTLMs
  /TITLE='CHALLEMGES IN THE USE OF TLMs'.
```

Graph




```
GRAPH
  /LINE(SIMPLE)=COUNT BY
WhatimprovementswouldyousuggestfortheuseofTLMsinyourschoolOpenen.
```

Graph



What improvements would you suggest for the use of TLMs in your school? (Open-ended Response)