```
FREQUENCIES VARIABLES=Average GENDER
  /FORMAT=NOTABLE
  /BARCHART FREQ
  /ORDER=ANALYSIS.
```

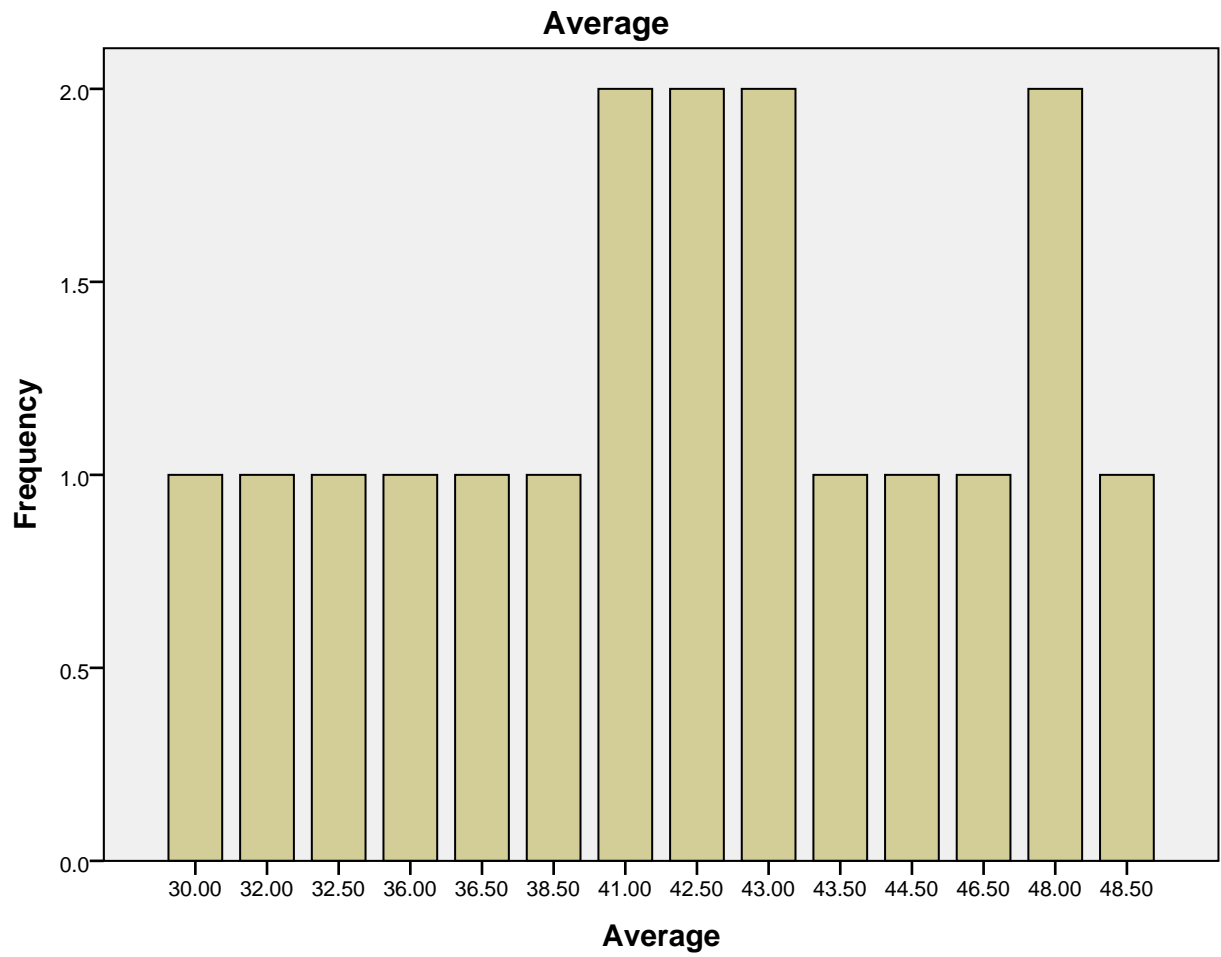# Frequencies
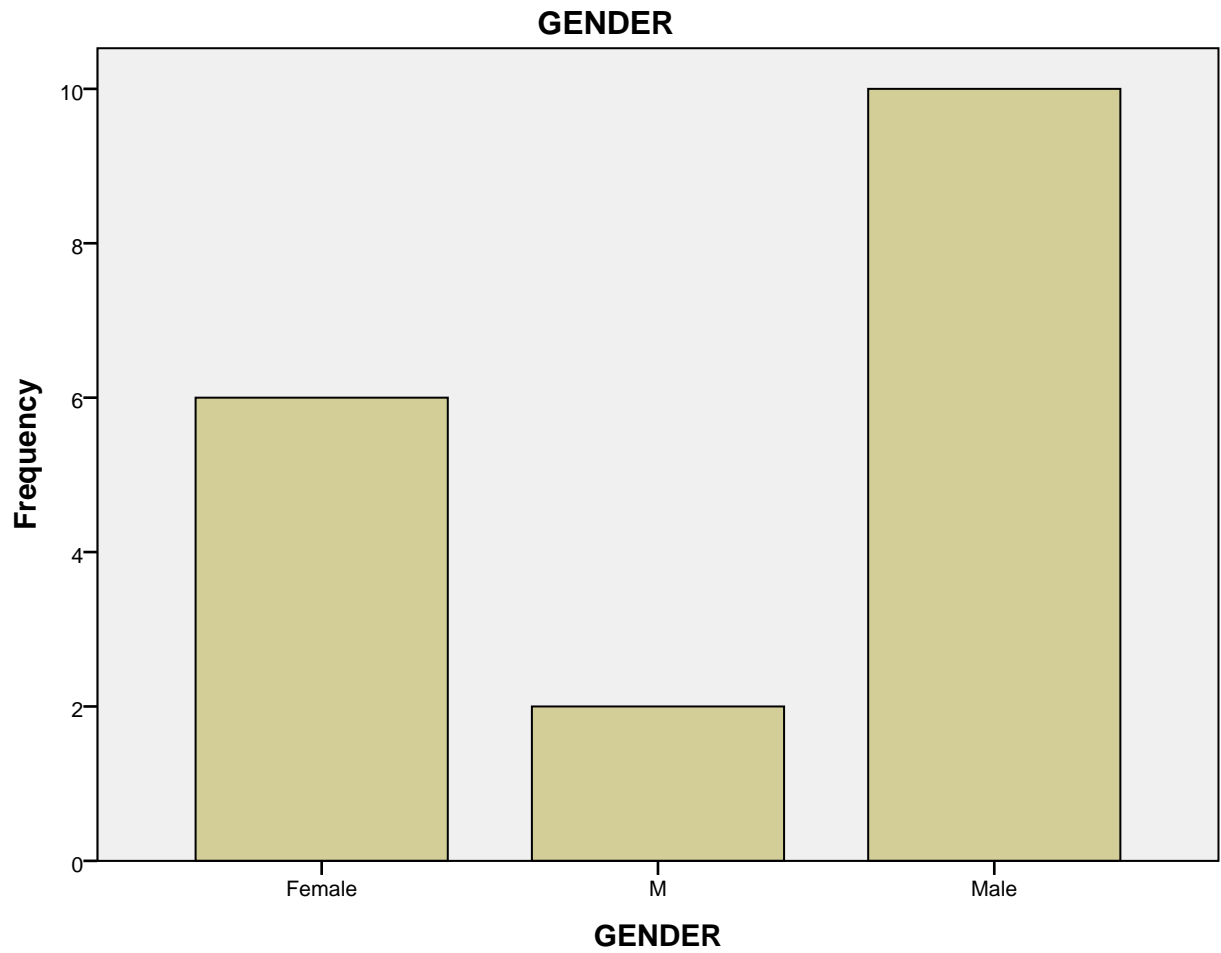
Notes

Output Created		28-JUN-2021 12:54:52
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Average GENDER /FORMAT=NOTABLE /BARCHART FREQ /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.42
	Elapsed Time	00:00:00.36

Statistics

		Average	GENDER
N	Valid	18	18
	Missing	0	0

Bar Chart

Average

GENDER


```
FREQUENCIES VARIABLES=Total
  /FORMAT=NOTABLE
  /HISTOGRAM
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		28-JUN-2021 13:12:15
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Total /FORMAT=NOTABLE /HISTOGRAM /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.19

Statistics

Total

N	Valid	18
	Missing	0

```
FREQUENCIES VARIABLES=Total
 /FORMAT=NOTABLE
 /HISTOGRAM NORMAL
 /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		28-JUN-2021 13:21:42
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Total /FORMAT=NOTABLE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.17

Statistics

Total

N	Valid	18
	Missing	0

Histogram

Mean = 81.94
Std. Dev. = 11.285
N = 18

```
FREQUENCIES VARIABLES=Total
  /FORMAT=NOTABLE
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		28-JUN-2021 13:27:26
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Total /FORMAT=NOTABLE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.16
	Elapsed Time	00:00:00.16

Statistics

Total

N	Valid	18
	Missing	0

```
FREQUENCIES VARIABLES=Total
 /FORMAT=NOTABLE
 /STATISTICS=MEAN MEDIAN MODE
 /HISTOGRAM NORMAL
 /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		28-JUN-2021 13:31:29
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Total /FORMAT=NOTABLE /STATISTICS=MEAN MEDIAN MODE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.16
	Elapsed Time	00:00:00.24

Statistics

Total

N	Valid	18
	Missing	0
Mean		81.9444
Median		85.0000
Mode		82.00[a]

a. Multiple modes exist. The smallest value is shown

```
 * Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=Students_ID MEAN(Total)[name="ME
AN_Total"] MISSING=LISTWISE REPORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: Students_ID=col(source(s), name("Students_ID"), unit.category())
  DATA: MEAN_Total=col(source(s), name("MEAN_Total"))
  GUIDE: axis(dim(1), label("Students_ID"))
  GUIDE: axis(dim(2), label("Mean Total"))
```
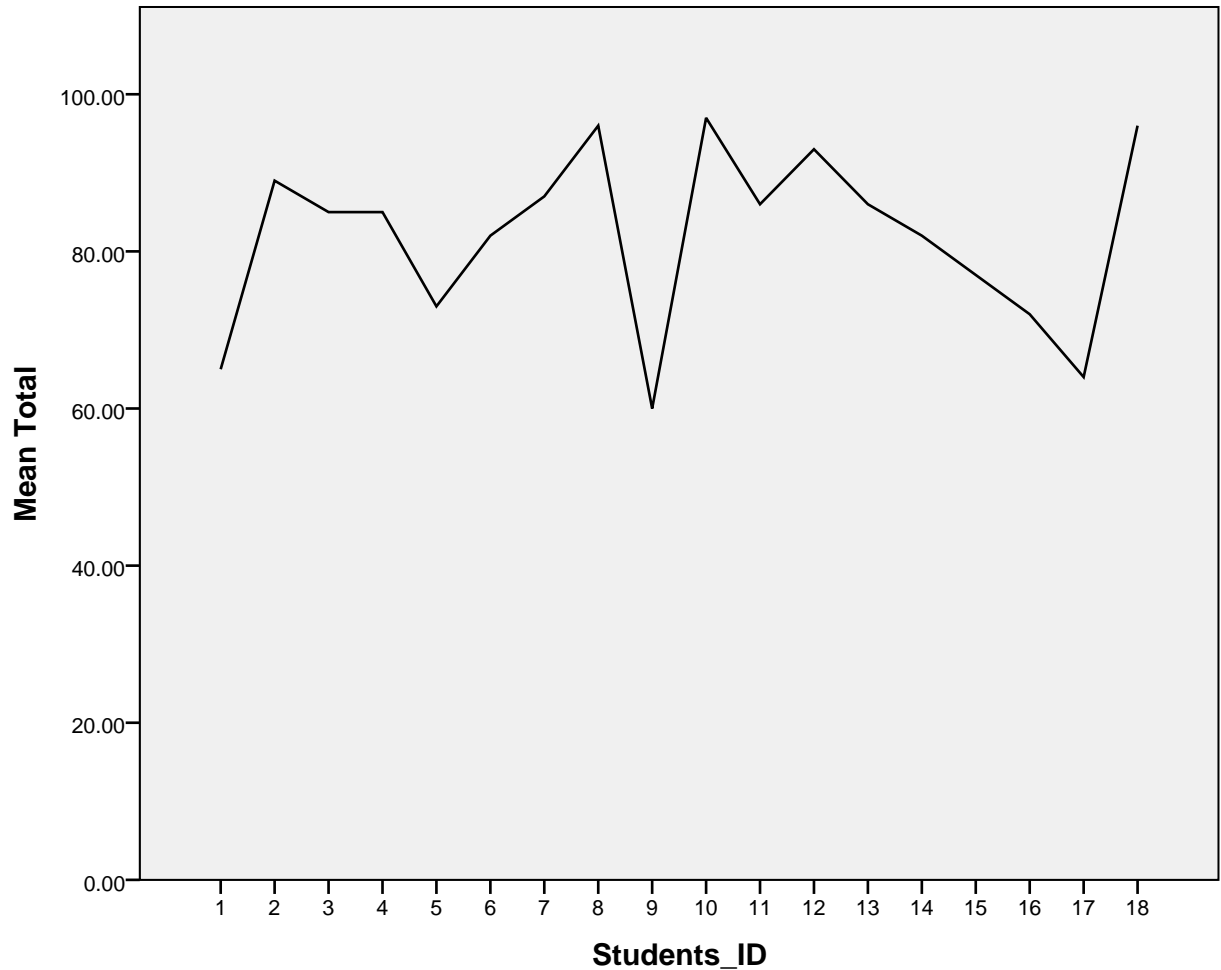
```
  SCALE: linear(dim(2), include(0))
  ELEMENT: line(position(Students_ID*MEAN_Total), missing.wings())
END GPL.
```

GGraph

Notes

Output Created		28-JUN-2021 15:20:26
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
Syntax		GGRAPH /GRAPHDATASET NAME=" graphdataset" VARIABLES=Students_ID MEAN (Total)[name="MEAN_Total"] MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id ("graphdataset")) DATA: Students_ID=col(source(s), name("Students_ID"), unit. category()) DATA: MEAN_Total=col(source(s), name("MEAN_Total")) GUIDE: axis(dim(1), label ("Students_ID")) GUIDE: axis(dim(2), label("Mean Total")) SCALE: linear(dim(2), include(0)) ELEMENT: line(position (Students_ID*MEAN_Total), missing.wings()) END GPL.
Resources	Processor Time	00:00:00.39
	Elapsed Time	00:00:00.42

```
 * Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=Students_ID Total MISSING=LISTWI
SE REPORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: Students_ID=col(source(s), name("Students_ID"), unit.category())
  DATA: Total=col(source(s), name("Total"))
  DATA: id=col(source(s), name("$CASENUM"), unit.category())
  GUIDE: axis(dim(1), label("Students_ID"))
  GUIDE: axis(dim(2), label("Total"))
  SCALE: linear(dim(2), include(0))
  ELEMENT: schema(position(bin.quantile.letter(Students_ID*Total)), label(id))
END GPL.
```
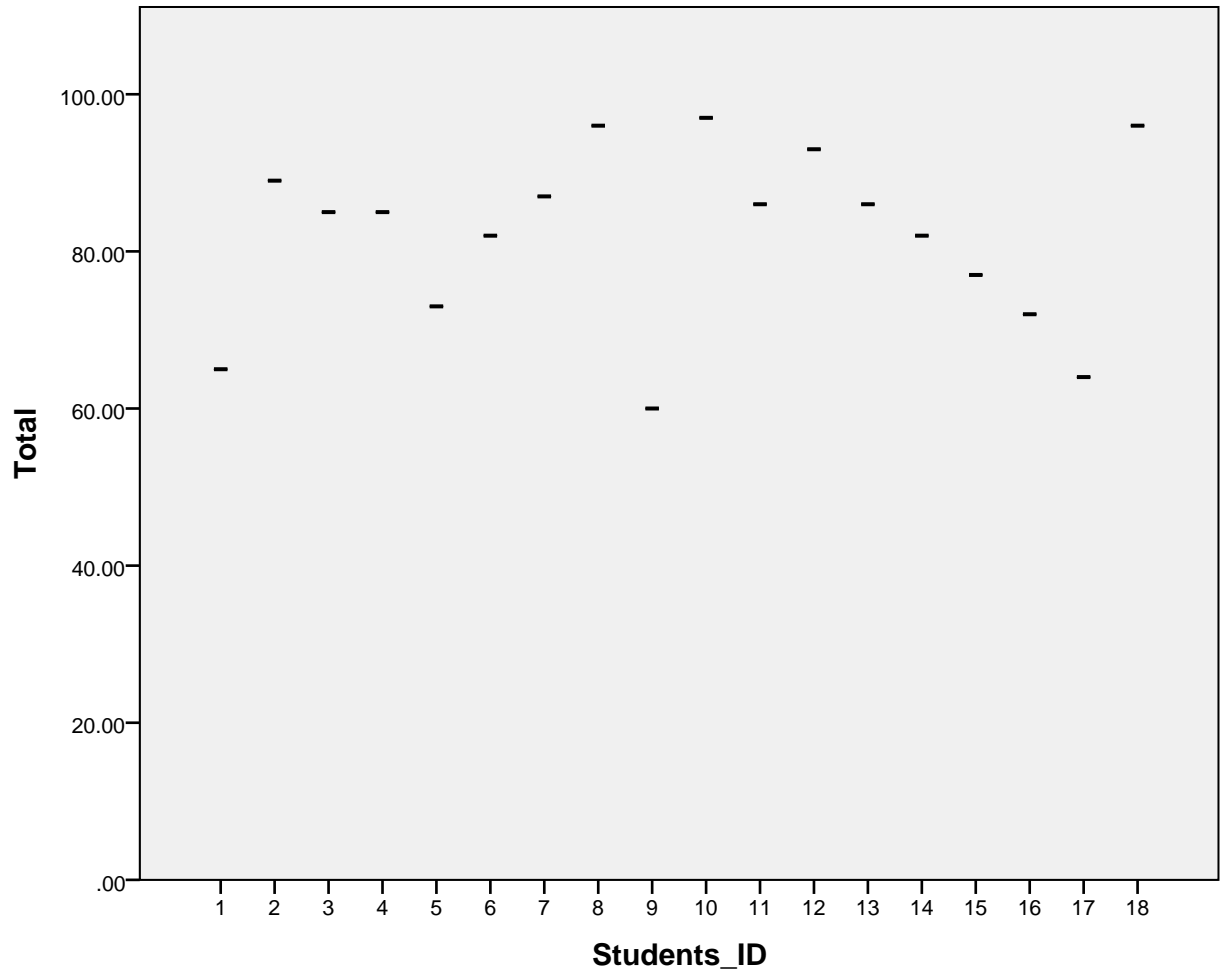
GGraph

Notes

Output Created		28-JUN-2021 15:25:32
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
Syntax		GGRAPH /GRAPHDATASET NAME=" graphdataset" VARIABLES=Students_ID Total MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id ("graphdataset")) DATA: Students_ID=col(source(s), name("Students_ID"), unit. category()) DATA: Total=col(source(s), name ("Total")) DATA: id=col(source(s), name ("$CASENUM"), unit.category()) GUIDE: axis(dim(1), label ("Students_ID")) GUIDE: axis(dim(2), label("Total")) SCALE: linear(dim(2), include(0)) ELEMENT: schema(position(bin. quantile.letter(Students_ID*Total)), label(id)) END GPL.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.23

DATASET NAME Data_Analysis.

SAVE OUTFILE='C:\Users\student\Documents\Data_Analysis.sav'
  /COMPRESSED.

SAVE OUTFILE='C:\Users\student\Documents\Data_Analysis.sav'
  /COMPRESSED.
GET
  FILE='C:\Users\student\Documents\Data_Analysis.sav'.

>Warning # 67.   Command name: GET FILE
>The document is already in use by another user or process.   If you make
>changes to the document they may overwrite changes made by others or your
>changes may be overwritten by others.
>File opened C:\Users\student\Documents\Data_Analysis.sav

```
DATASET NAME DataSet1 WINDOW=FRONT.
DATASET ACTIVATE DataSet1.
NEW FILE.
DATASET NAME DataSet2 WINDOW=FRONT.
DATASET ACTIVATE Data_Analysis.
DATASET CLOSE DataSet2.
DATASET ACTIVATE Data_Analysis.
DATASET ACTIVATE Data_Analysis.
DATASET CLOSE DataSet1.
DATASET NAME Sharon_Akoth.
FREQUENCIES VARIABLES=Total
  /FORMAT=NOTABLE
  /STATISTICS=MEAN MEDIAN MODE
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.
```

Frequencies

Notes

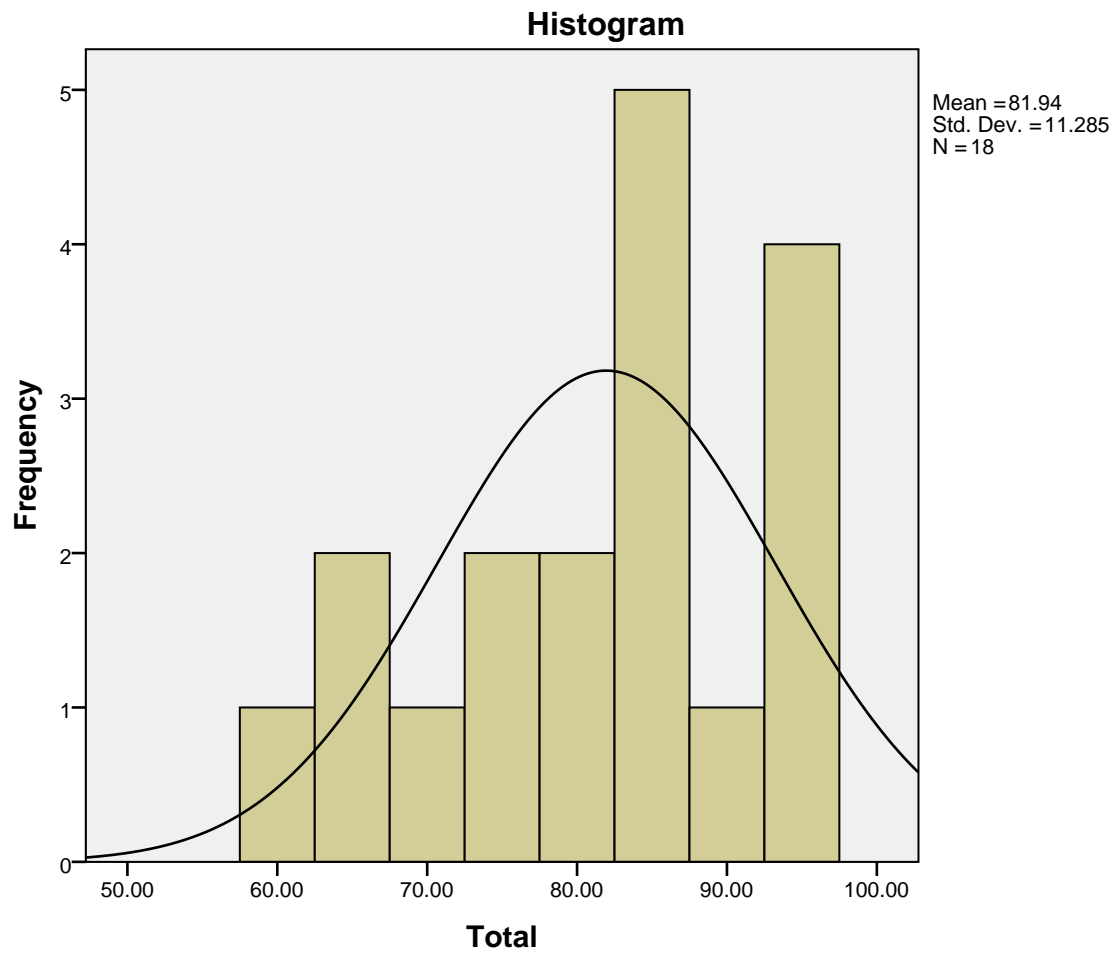|		
Output Created		28-JUN-2021 16:20:03
Comments		
Input	Data	C:\Users\student\Documents\Data_Analysis.sav
	Active Dataset	Sharon_Akoth
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=Total /FORMAT=NOTABLE /STATISTICS=MEAN MEDIAN MODE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.20

```
[Sharon_Akoth] C:\Users\student\Documents\Data_Analysis.sav
```

Statistics

Total

N	Valid	18
	Missing	0
Mean		81.9444
Median		85.0000
Mode		82.00[a]

a. Multiple modes exist. The smallest value is shown

Histogram

Mean =81.94
Std. Dev. =11.285
N = 18

	Students_ID	GENDER	Attendance	Assignment	Project	Total
1	001	Male	Present	52	13	65.00
2	002	Male	Present	65	24	89.00
3	003	Male	Absent	69	16	85.00
4	004	Female	Present	66	19	85.00
5	005	Male	Present	62	11	73.00
6	006	Male	Absent	62	20	82.00
7	007	Female	Absent	62	25	87.00
8	008	Female	Absent	75	21	96.00
9	009	Male	Absent	50	10	60.00
10	0010	Male	Absent	75	22	97.00
11	0011	Male	Absent	70	16	86.00
12	0012	Male	Present	71	22	93.00
13	0013	Male	Absent	67	19	86.00
14	0014	Male	Absent	60	22	82.00
15	0015	Male	Present	56	21	77.00
16	0016	Female	Present	49	23	72.00
17	0017	Female	Absent	50	14	64.00
18	0018	Female	Present	75	21	96.00

	Average	VAR00003
1	32.50	.
2	44.50	.
3	42.50	.
4	42.50	.
5	36.50	.
6	41.00	.
7	43.50	.
8	48.00	.
9	30.00	.
10	48.50	.
11	43.00	.
12	46.50	.
13	43.00	.
14	41.00	.
15	38.50	.
16	36.00	.
17	32.00	.
18	48.00	.

```
FREQUENCIES VARIABLES=Average GENDER
  /FORMAT=NOTABLE
  /BARCHART FREQ
  /ORDER=ANALYSIS.
```
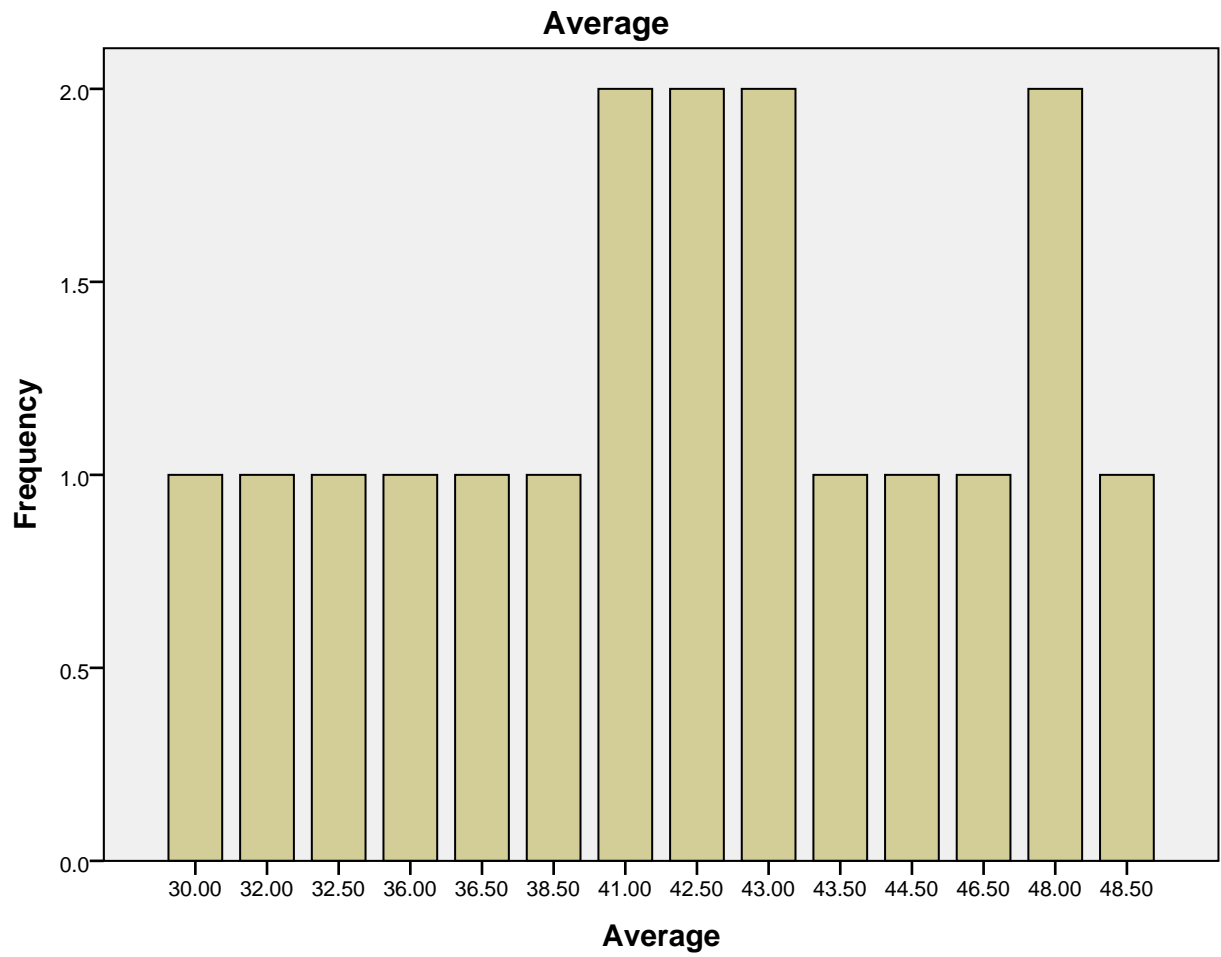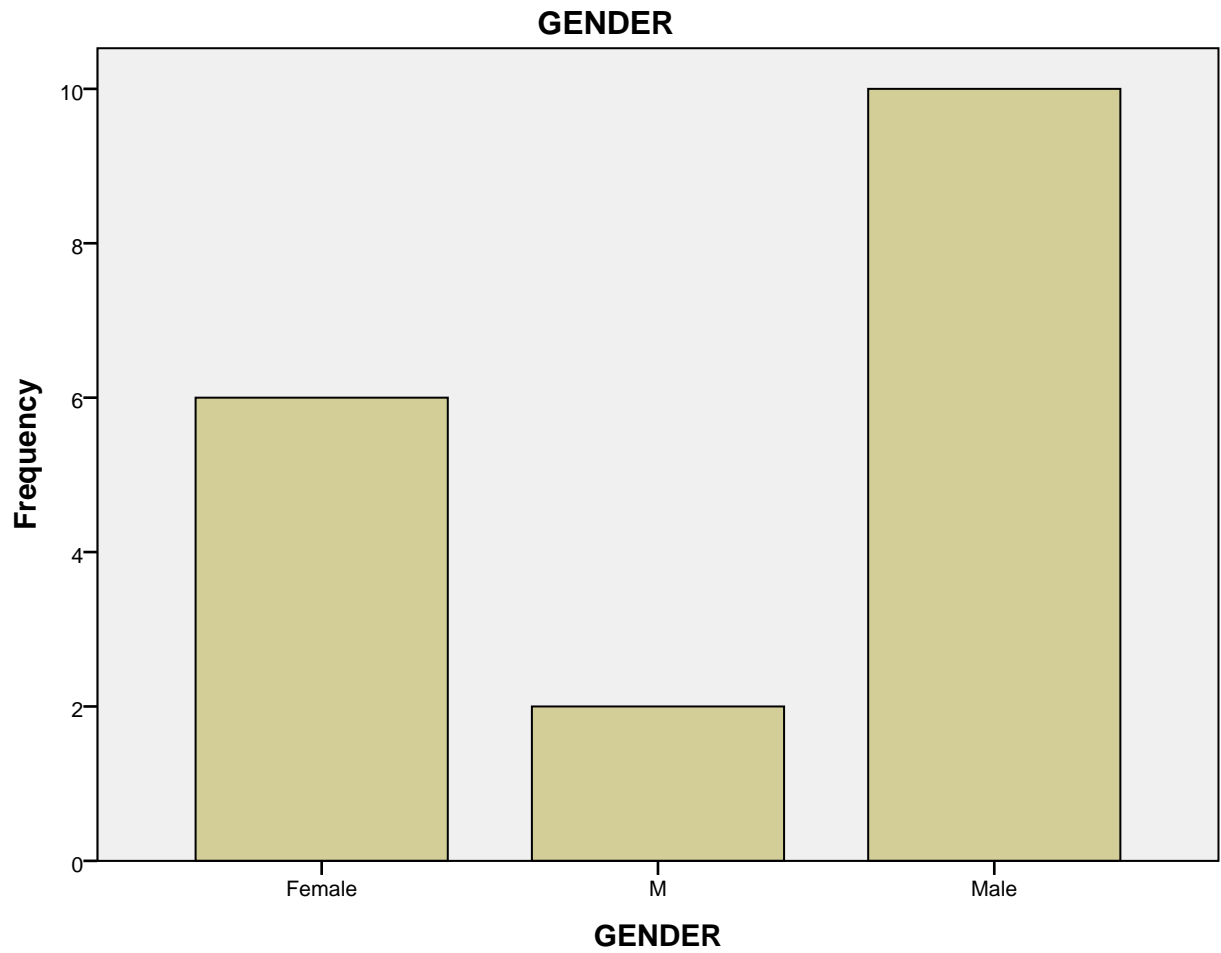
Frequencies

Notes

Output Created		28-JUN-2021 12:54:52
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Average GENDER /FORMAT=NOTABLE /BARCHART FREQ /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.42
	Elapsed Time	00:00:00.36

Statistics

		Average	GENDER
N	Valid	18	18
	Missing	0	0

Bar Chart

Average

GENDER


```
FREQUENCIES VARIABLES=Total
  /FORMAT=NOTABLE
  /HISTOGRAM
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		28-JUN-2021 13:12:15
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Total /FORMAT=NOTABLE /HISTOGRAM /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.19

Statistics

Total

N	Valid	18
	Missing	0

```
FREQUENCIES VARIABLES=Total
 /FORMAT=NOTABLE
 /HISTOGRAM NORMAL
 /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		28-JUN-2021 13:21:42
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Total /FORMAT=NOTABLE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.17

Statistics

Total

N	Valid	18
	Missing	0

Histogram

Mean = 81.94
Std. Dev. = 11.285
N = 18

```
FREQUENCIES VARIABLES=Total
  /FORMAT=NOTABLE
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		28-JUN-2021 13:27:26
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Total /FORMAT=NOTABLE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.16
	Elapsed Time	00:00:00.16

Statistics

Total

N	Valid	18
	Missing	0

```
FREQUENCIES VARIABLES=Total
  /FORMAT=NOTABLE
  /STATISTICS=MEAN MEDIAN MODE
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		28-JUN-2021 13:31:29
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Total /FORMAT=NOTABLE /STATISTICS=MEAN MEDIAN MODE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.16
	Elapsed Time	00:00:00.24

Statistics

Total

N	Valid	18
	Missing	0
Mean		81.9444
Median		85.0000
Mode		82.00[a]

a. Multiple modes exist. The smallest value is shown

```
 * Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=Students_ID MEAN(Total)[name="ME
AN_Total"] MISSING=LISTWISE REPORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: Students_ID=col(source(s), name("Students_ID"), unit.category())
  DATA: MEAN_Total=col(source(s), name("MEAN_Total"))
  GUIDE: axis(dim(1), label("Students_ID"))
  GUIDE: axis(dim(2), label("Mean Total"))
```
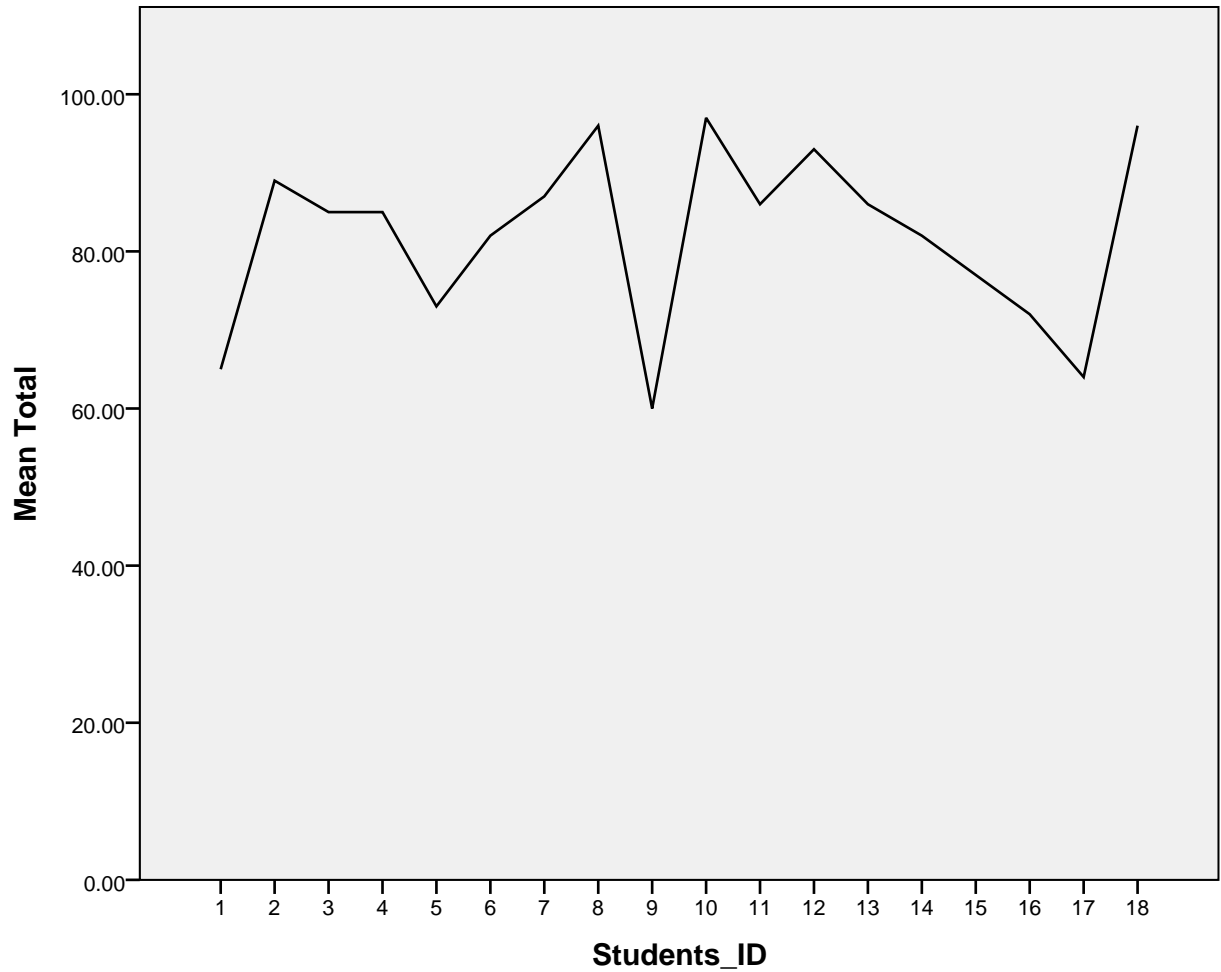
```
   SCALE: linear(dim(2), include(0))
   ELEMENT: line(position(Students_ID*MEAN_Total), missing.wings()))
END GPL.
```

GGraph

Notes

Output Created		28-JUN-2021 15:20:26
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18

Syntax		GGRAPH
		  /GRAPHDATASET NAME="
		graphdataset"
		VARIABLES=Students_ID MEAN
		(Total)[name="MEAN_Total"]
		MISSING=LISTWISE
		REPORTMISSING=NO
		  /GRAPHSPEC SOURCE=INLINE.
		BEGIN GPL
		  SOURCE: s=userSource(id
		("graphdataset"))
		  DATA: Students_ID=col(source(s),
		name("Students_ID"), unit.
		category())
		  DATA: MEAN_Total=col(source(s),
		name("MEAN_Total"))
		  GUIDE: axis(dim(1), label
		("Students_ID"))
		  GUIDE: axis(dim(2), label("Mean
		Total"))
		  SCALE: linear(dim(2), include(0))
		  ELEMENT: line(position
		(Students_ID*MEAN_Total),
		missing.wings())
		END GPL.

Resources	Processor Time	00:00:00.39
	Elapsed Time	00:00:00.42

```
 * Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=Students_ID Total MISSING=LISTWI
SE REPORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: Students_ID=col(source(s), name("Students_ID"), unit.category())
  DATA: Total=col(source(s), name("Total"))
  DATA: id=col(source(s), name("$CASENUM"), unit.category())
  GUIDE: axis(dim(1), label("Students_ID"))
  GUIDE: axis(dim(2), label("Total"))
  SCALE: linear(dim(2), include(0))
  ELEMENT: schema(position(bin.quantile.letter(Students_ID*Total)), label(id))
END GPL.
```
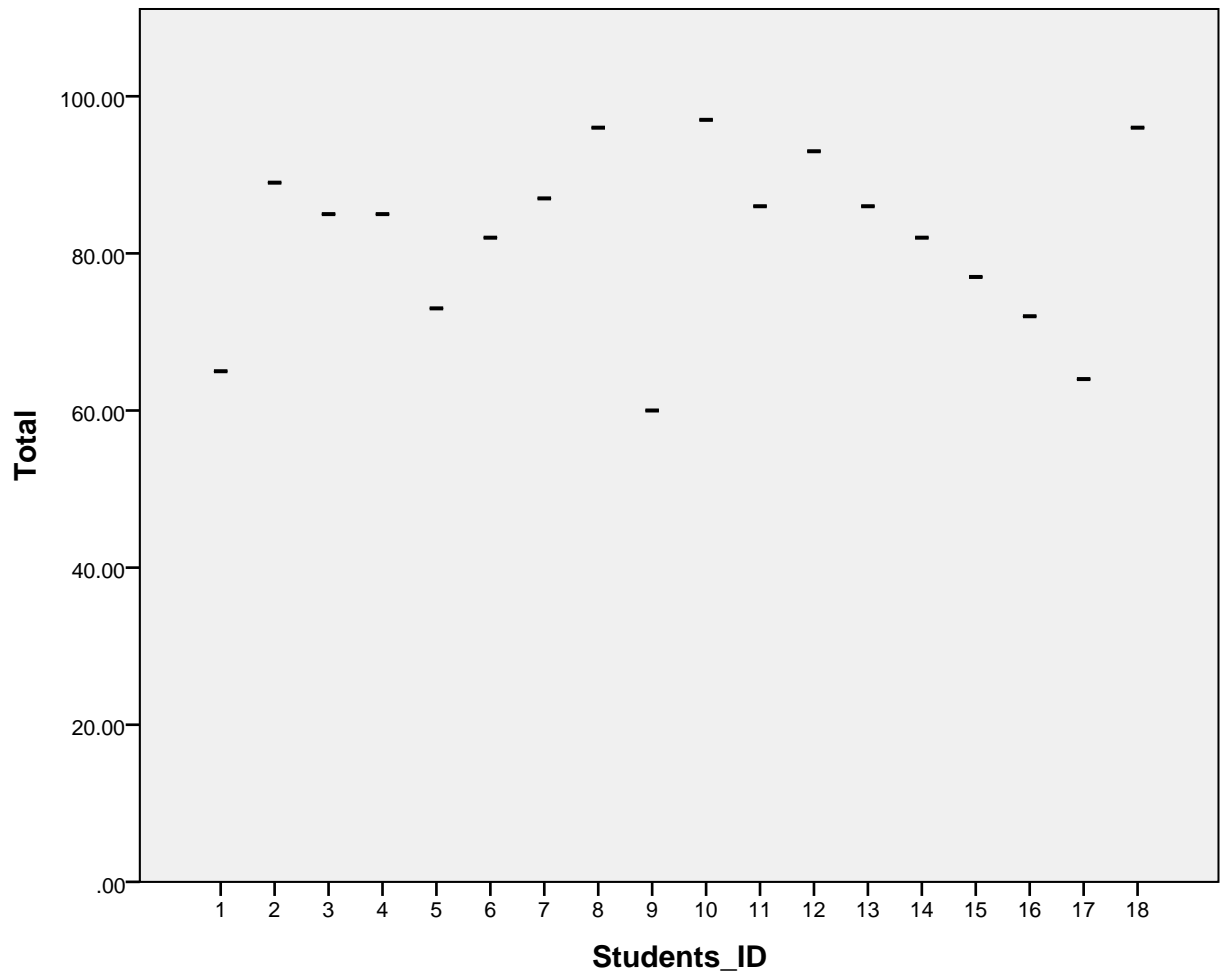
GGraph

Notes

Output Created		28-JUN-2021 15:25:32
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18

Syntax		GGRAPH
		  /GRAPHDATASET NAME="graphdataset"
		VARIABLES=Students_ID Total
		MISSING=LISTWISE
		REPORTMISSING=NO
		  /GRAPHSPEC SOURCE=INLINE.
		BEGIN GPL
		  SOURCE: s=userSource(id
		("graphdataset"))
		  DATA: Students_ID=col(source(s),
		name("Students_ID"), unit.
		category())
		  DATA: Total=col(source(s), name
		("Total"))
		  DATA: id=col(source(s), name
		("$CASENUM"), unit.category())
		  GUIDE: axis(dim(1), label
		("Students_ID"))
		  GUIDE: axis(dim(2), label("Total"))
		  SCALE: linear(dim(2), include(0))
		  ELEMENT: schema(position(bin.
		quantile.letter(Students_ID*Total)),
		label(id))
		END GPL.

Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.23

DATASET NAME Data_Analysis.

SAVE OUTFILE='C:\Users\student\Documents\Data_Analysis.sav'
  /COMPRESSED.

SAVE OUTFILE='C:\Users\student\Documents\Data_Analysis.sav'
  /COMPRESSED.
GET
  FILE='C:\Users\student\Documents\Data_Analysis.sav'.

>Warning # 67.   Command name: GET FILE
>The document is already in use by another user or process.   If you make
>changes to the document they may overwrite changes made by others or your
>changes may be overwritten by others.
>File opened C:\Users\student\Documents\Data_Analysis.sav

```
DATASET NAME DataSet1 WINDOW=FRONT.
DATASET ACTIVATE DataSet1.
NEW FILE.
DATASET NAME DataSet2 WINDOW=FRONT.
DATASET ACTIVATE Data_Analysis.
DATASET CLOSE DataSet2.
DATASET ACTIVATE Data_Analysis.
DATASET ACTIVATE Data_Analysis.
DATASET CLOSE DataSet1.
DATASET NAME Sharon_Akoth.
FREQUENCIES VARIABLES=Total
  /FORMAT=NOTABLE
  /STATISTICS=MEAN MEDIAN MODE
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.
```

Frequencies

Notes

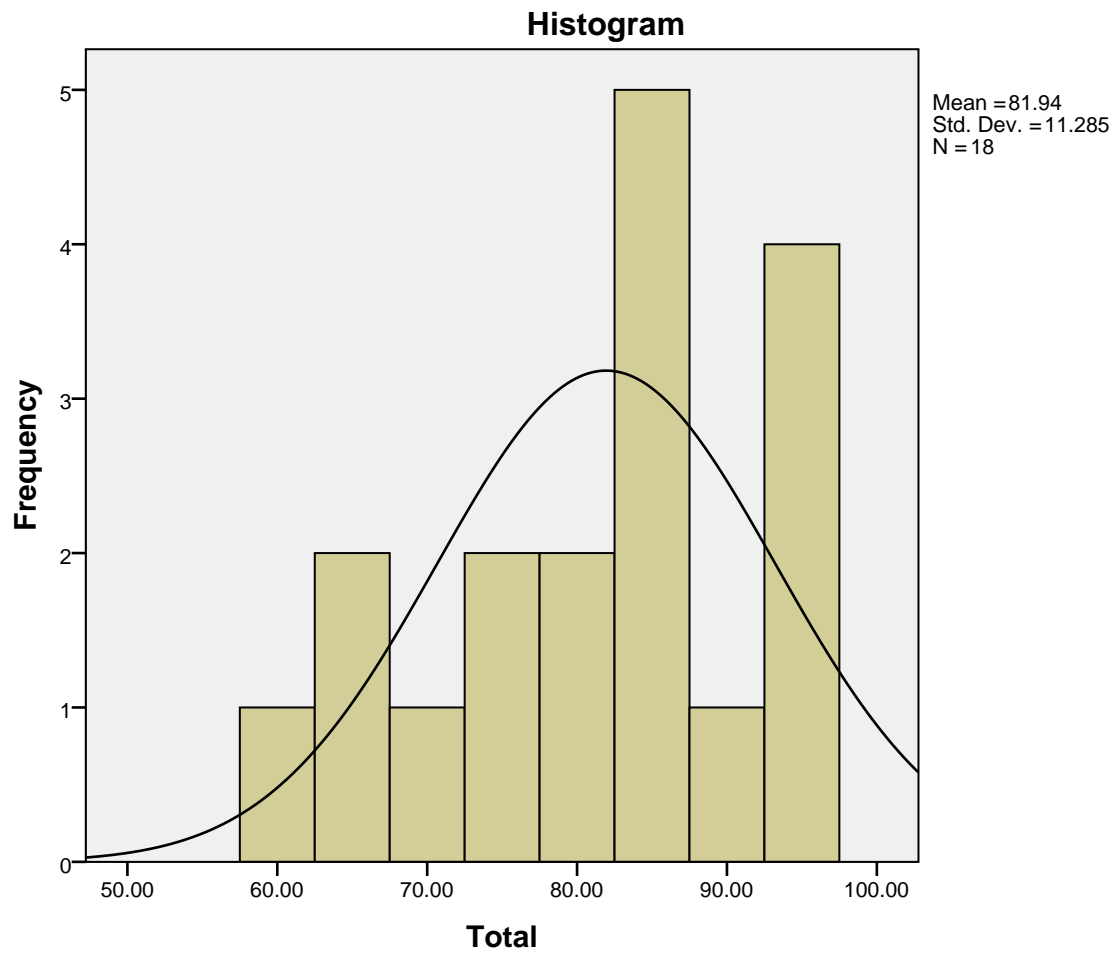|		
Output Created		28-JUN-2021 16:20:03
Comments		
Input	Data	C:\Users\student\Documents\Data_Analysis.sav
	Active Dataset	Sharon_Akoth
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=Total /FORMAT=NOTABLE /STATISTICS=MEAN MEDIAN MODE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.20

```
[Sharon_Akoth] C:\Users\student\Documents\Data_Analysis.sav
```

Statistics

Total

N	Valid	18
	Missing	0
Mean		81.9444
Median		85.0000
Mode		82.00[a]

a. Multiple modes exist. The smallest value is shown

Histogram

Mean =81.94
Std. Dev. =11.285
N =18

	Students_ID	GENDER	Attendance	Assignment	Project	Total
1	001	Male	Present	52	13	65.00
2	002	Male	Present	65	24	89.00
3	003	Male	Absent	69	16	85.00
4	004	Female	Present	66	19	85.00
5	005	Male	Present	62	11	73.00
6	006	Male	Absent	62	20	82.00
7	007	Female	Absent	62	25	87.00
8	008	Female	Absent	75	21	96.00
9	009	Male	Absent	50	10	60.00
10	0010	Male	Absent	75	22	97.00
11	0011	Male	Absent	70	16	86.00
12	0012	Male	Present	71	22	93.00
13	0013	Male	Absent	67	19	86.00
14	0014	Male	Absent	60	22	82.00
15	0015	Male	Present	56	21	77.00
16	0016	Female	Present	49	23	72.00
17	0017	Female	Absent	50	14	64.00
18	0018	Female	Present	75	21	96.00

	Average	VAR00003
1	32.50	.
2	44.50	.
3	42.50	.
4	42.50	.
5	36.50	.
6	41.00	.
7	43.50	.
8	48.00	.
9	30.00	.
10	48.50	.
11	43.00	.
12	46.50	.
13	43.00	.
14	41.00	.
15	38.50	.
16	36.00	.
17	32.00	.
18	48.00	.

```
FREQUENCIES VARIABLES=Average GENDER
  /FORMAT=NOTABLE
  /BARCHART FREQ
  /ORDER=ANALYSIS.
```
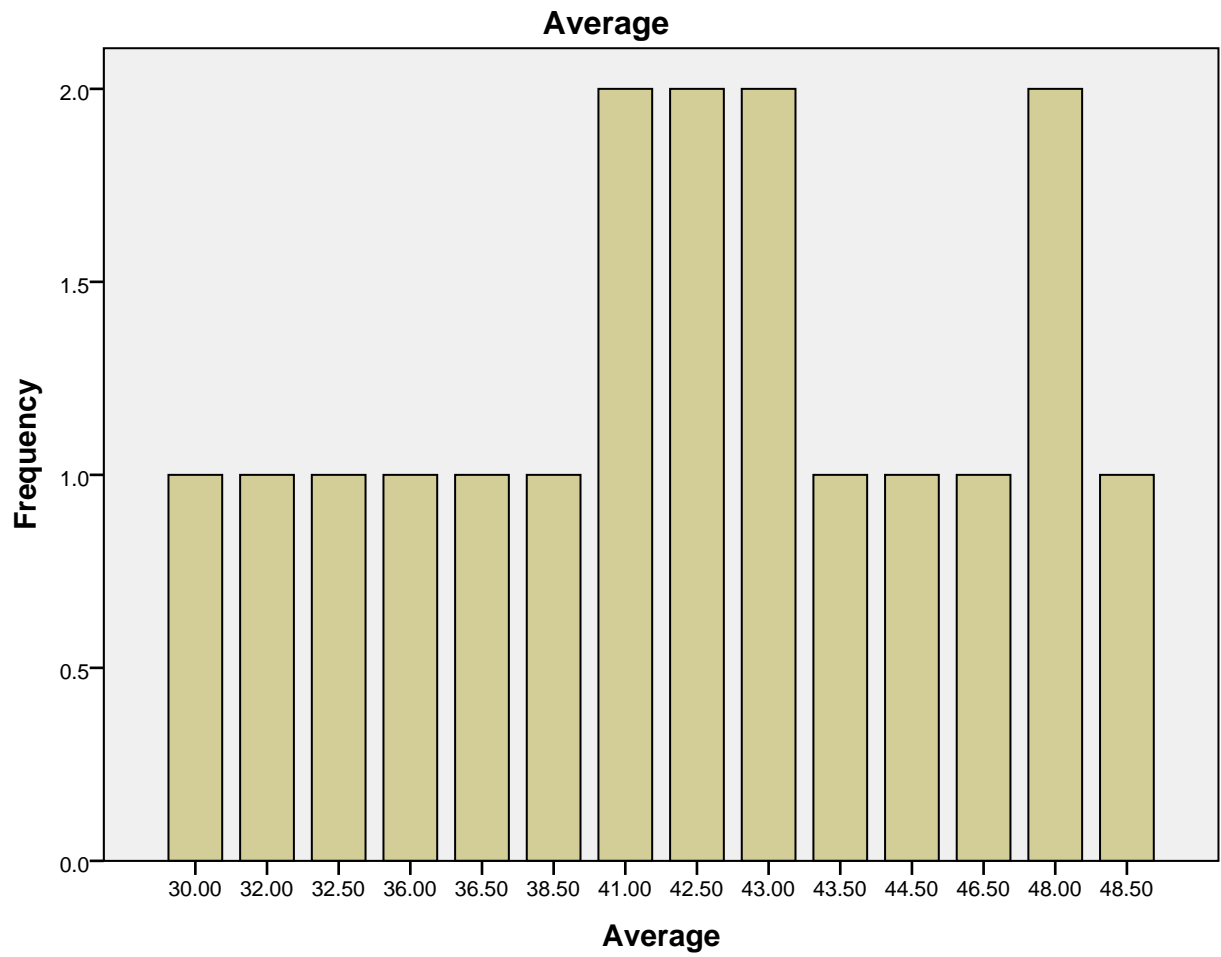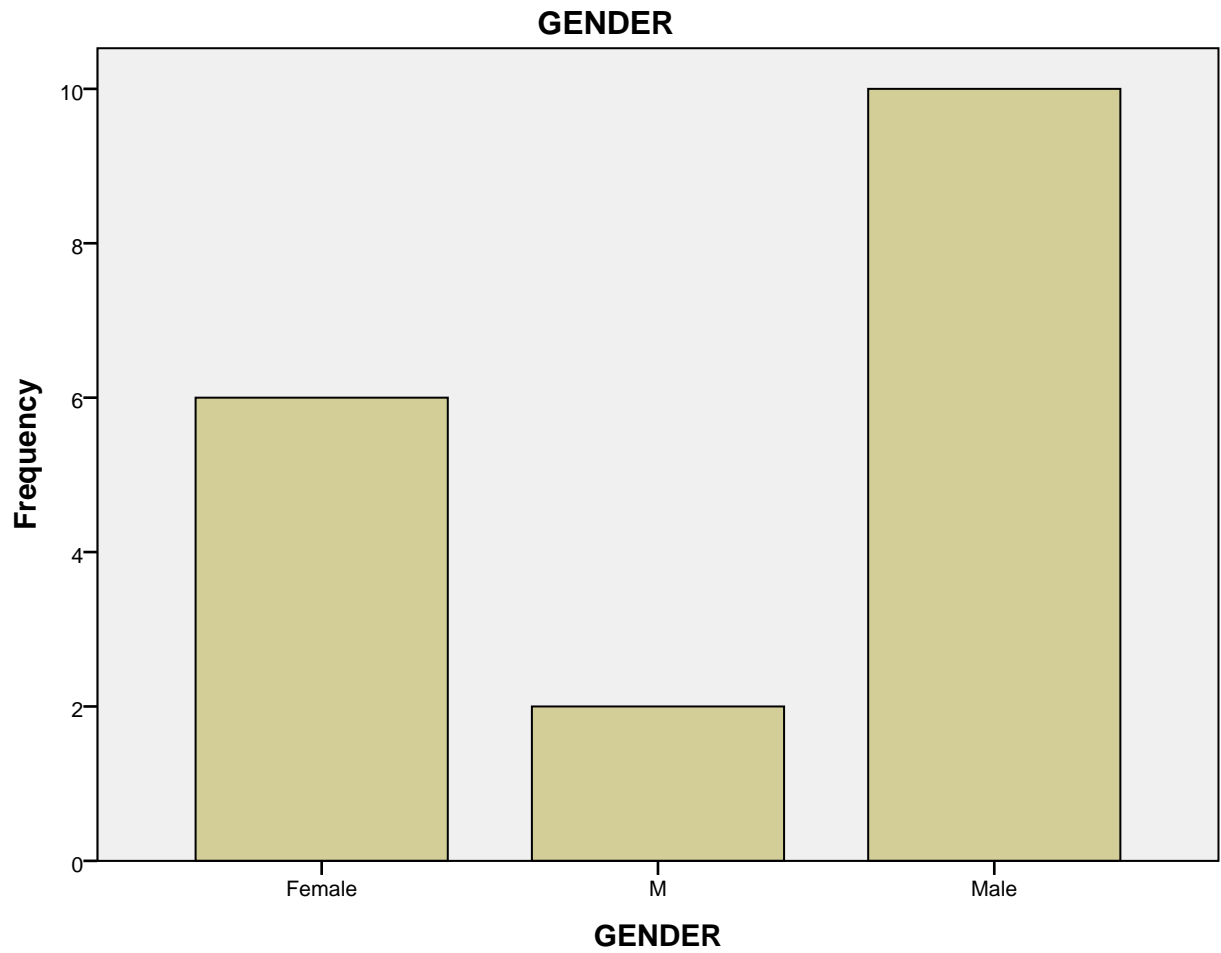
Frequencies

Notes

Output Created		28-JUN-2021 12:54:52
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Average GENDER /FORMAT=NOTABLE /BARCHART FREQ /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.42
	Elapsed Time	00:00:00.36

Statistics

		Average	GENDER
N	Valid	18	18
	Missing	0	0

Bar Chart

Average

GENDER


```
FREQUENCIES VARIABLES=Total
  /FORMAT=NOTABLE
  /HISTOGRAM
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		28-JUN-2021 13:12:15
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Total /FORMAT=NOTABLE /HISTOGRAM /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.19

Statistics

Total

N	Valid	18
	Missing	0

```
FREQUENCIES VARIABLES=Total
 /FORMAT=NOTABLE
 /HISTOGRAM NORMAL
 /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		28-JUN-2021 13:21:42
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Total /FORMAT=NOTABLE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.17

Statistics

Total

N	Valid	18
	Missing	0

Histogram

Mean = 81.94
Std. Dev. = 11.285
N = 18

```
FREQUENCIES VARIABLES=Total
  /FORMAT=NOTABLE
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.
```

Frequencies

Output Created		28-JUN-2021 13:27:26
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Total /FORMAT=NOTABLE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.16
	Elapsed Time	00:00:00.16

Statistics

Total

N	Valid	18
	Missing	0

```
FREQUENCIES VARIABLES=Total
  /FORMAT=NOTABLE
  /STATISTICS=MEAN MEDIAN MODE
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		28-JUN-2021 13:31:29
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Total /FORMAT=NOTABLE /STATISTICS=MEAN MEDIAN MODE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.16
	Elapsed Time	00:00:00.24

Statistics

Total

N	Valid	18
	Missing	0
Mean		81.9444
Median		85.0000
Mode		82.00[a]

a. Multiple modes exist. The smallest value is shown

```
 * Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=Students_ID MEAN(Total)[name="ME
AN_Total"] MISSING=LISTWISE REPORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: Students_ID=col(source(s), name("Students_ID"), unit.category())
  DATA: MEAN_Total=col(source(s), name("MEAN_Total"))
  GUIDE: axis(dim(1), label("Students_ID"))
  GUIDE: axis(dim(2), label("Mean Total"))
```
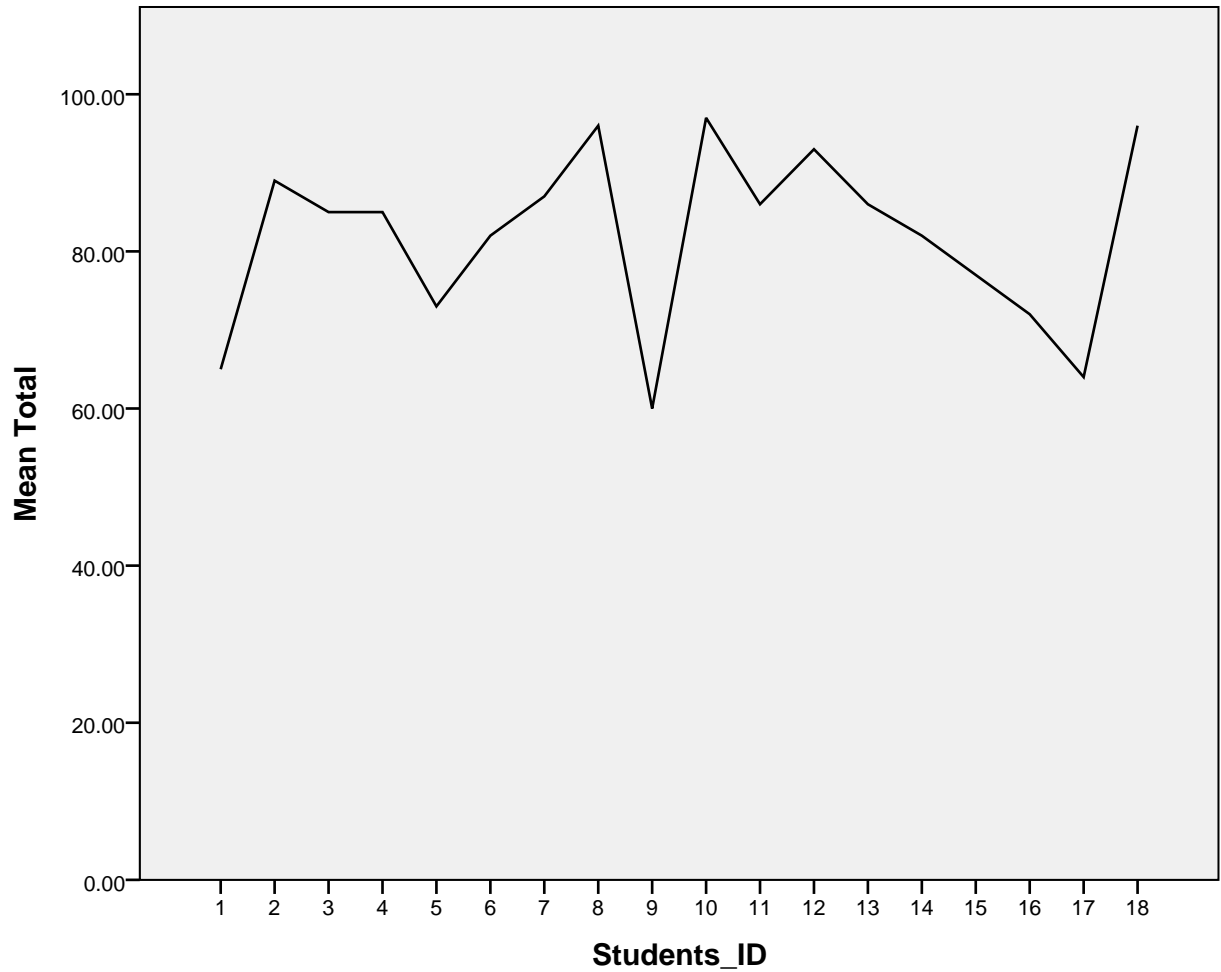
```
    SCALE: linear(dim(2), include(0))
    ELEMENT: line(position(Students_ID*MEAN_Total), missing.wings())
END GPL.
```

GGraph

Notes

Output Created		28-JUN-2021 15:20:26
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
Syntax		GGRAPH /GRAPHDATASET NAME=" graphdataset" VARIABLES=Students_ID MEAN (Total)[name="MEAN_Total"] MISSING=LISTWISE REPORTMISSING=NO /GRAPHSPEC SOURCE=INLINE. BEGIN GPL SOURCE: s=userSource(id ("graphdataset")) DATA: Students_ID=col(source(s), name("Students_ID"), unit. category()) DATA: MEAN_Total=col(source(s), name("MEAN_Total")) GUIDE: axis(dim(1), label ("Students_ID")) GUIDE: axis(dim(2), label("Mean Total")) SCALE: linear(dim(2), include(0)) ELEMENT: line(position (Students_ID*MEAN_Total), missing.wings()) END GPL.
Resources	Processor Time	00:00:00.39
	Elapsed Time	00:00:00.42

```
 * Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=Students_ID Total MISSING=LISTWI
SE REPORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: Students_ID=col(source(s), name("Students_ID"), unit.category())
  DATA: Total=col(source(s), name("Total"))
  DATA: id=col(source(s), name("$CASENUM"), unit.category())
  GUIDE: axis(dim(1), label("Students_ID"))
  GUIDE: axis(dim(2), label("Total"))
  SCALE: linear(dim(2), include(0))
  ELEMENT: schema(position(bin.quantile.letter(Students_ID*Total)), label(id))
END GPL.
```
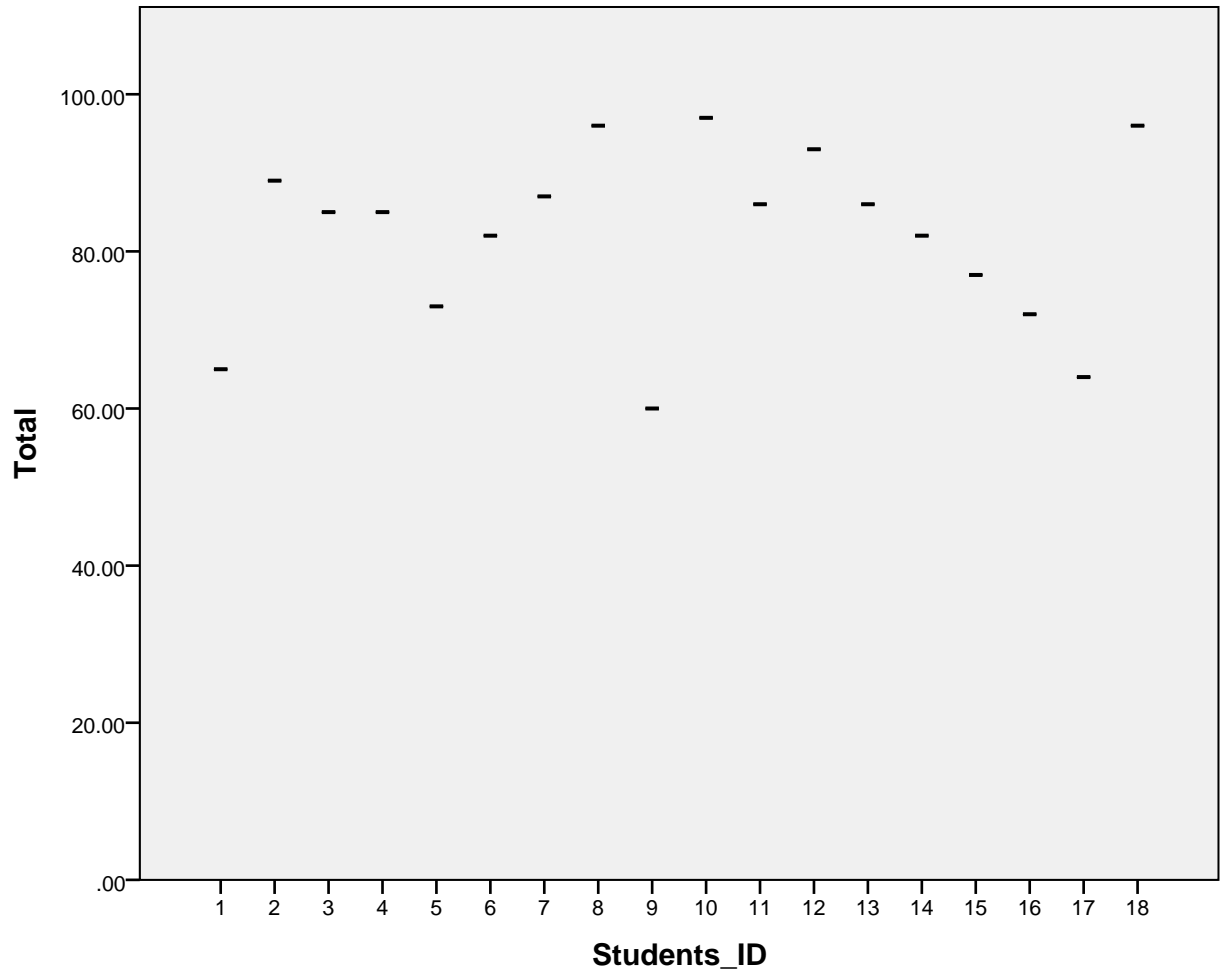
GGraph

Notes

Output Created		28-JUN-2021 15:25:32
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18

Syntax		GGRAPH
		  /GRAPHDATASET NAME="
		graphdataset"
		VARIABLES=Students_ID Total
		MISSING=LISTWISE
		REPORTMISSING=NO
		  /GRAPHSPEC SOURCE=INLINE.
		BEGIN GPL
		  SOURCE: s=userSource(id
		("graphdataset"))
		  DATA: Students_ID=col(source(s),
		name("Students_ID"), unit.
		category())
		  DATA: Total=col(source(s), name
		("Total"))
		  DATA: id=col(source(s), name
		("$CASENUM"), unit.category())
		  GUIDE: axis(dim(1), label
		("Students_ID"))
		  GUIDE: axis(dim(2), label("Total"))
		  SCALE: linear(dim(2), include(0))
		  ELEMENT: schema(position(bin.
		quantile.letter(Students_ID*Total)),
		label(id))
		END GPL.

Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.23

DATASET NAME Data_Analysis.

SAVE OUTFILE='C:\Users\student\Documents\Data_Analysis.sav'
  /COMPRESSED.

SAVE OUTFILE='C:\Users\student\Documents\Data_Analysis.sav'
  /COMPRESSED.
GET
  FILE='C:\Users\student\Documents\Data_Analysis.sav'.

>Warning # 67.   Command name: GET FILE
>The document is already in use by another user or process.   If you make
>changes to the document they may overwrite changes made by others or your
>changes may be overwritten by others.
>File opened C:\Users\student\Documents\Data_Analysis.sav

```
DATASET NAME DataSet1 WINDOW=FRONT.
DATASET ACTIVATE DataSet1.
NEW FILE.
DATASET NAME DataSet2 WINDOW=FRONT.
DATASET ACTIVATE Data_Analysis.
DATASET CLOSE DataSet2.
DATASET ACTIVATE Data_Analysis.
DATASET ACTIVATE Data_Analysis.
DATASET CLOSE DataSet1.
DATASET NAME Sharon_Akoth.
FREQUENCIES VARIABLES=Total
  /FORMAT=NOTABLE
  /STATISTICS=MEAN MEDIAN MODE
  /HISTOGRAM NORMAL
  /ORDER=ANALYSIS.
```

Frequencies

Notes

Output Created		28-JUN-2021 16:20:03
Comments		
Input	Data	C:\Users\student\Documents\Data_Analysis.sav
	Active Dataset	Sharon_Akoth
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	18
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=Total /FORMAT=NOTABLE /STATISTICS=MEAN MEDIAN MODE /HISTOGRAM NORMAL /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.20

[Sharon_Akoth] C:\Users\student\Documents\Data_Analysis.sav

Statistics

Total

N	Valid	18
	Missing	0
Mean		81.9444
Median		85.0000
Mode		82.00[a]

a. Multiple modes exist. The smallest value is shown

Histogram

Mean = 81.94
Std. Dev. = 11.285
N = 18