

GET DATA

GET DATA

/TYPE=TXT

/FILE="D:\work\my\_spss works\270914\_.csv"

/IMPORTCASES=ALL

/ARRANGEMENT=DELIMITED

/DELCASE=LINE

/FIRSTCASE=2

/DELIMITERS=","

/VARIABLES=

ppm F2.0

marketing F3.0.

FREQUENCIES

FREQUENCIES

/VARIABLES= ppm marketing

/FORMAT=AVALUE TABLE

/HISTOGRAM=NONNORMAL

/PIECHART=.

ppm

<i>Value Label</i>	<i>Value</i>	<i>Frequency</i>	<i>Percent</i>	<i>Valid Percent</i>	<i>Cum Percent</i>
	0	1	.84	.84	.84
	2	2	1.68	1.68	2.52
	4	1	.84	.84	3.36
	7	1	.84	.84	4.20
	8	1	.84	.84	5.04
	11	2	1.68	1.68	6.72
	12	2	1.68	1.68	8.40
	13	2	1.68	1.68	10.08
	14	1	.84	.84	10.92
	15	1	.84	.84	11.76
	16	1	.84	.84	12.61
	17	2	1.68	1.68	14.29
	18	1	.84	.84	15.13
	20	2	1.68	1.68	16.81
	21	1	.84	.84	17.65
	22	3	2.52	2.52	20.17
	23	2	1.68	1.68	21.85
	24	1	.84	.84	22.69
	26	3	2.52	2.52	25.21
	27	1	.84	.84	26.05
	28	1	.84	.84	26.89
	29	4	3.36	3.36	30.25
	30	1	.84	.84	31.09

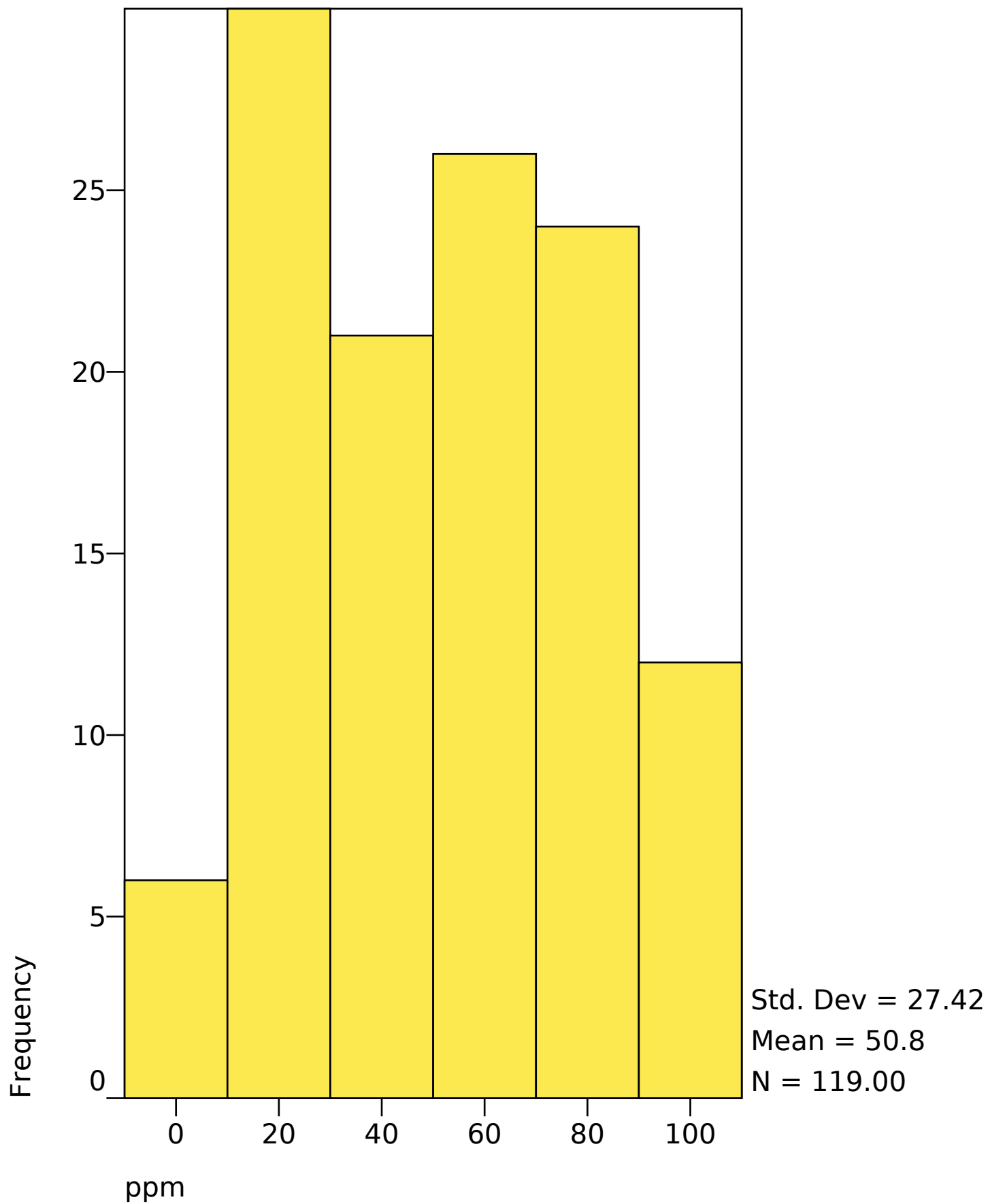
<i>Value Label</i>	<i>Value</i>	<i>Frequency</i>	<i>Percent</i>	<i>Valid Percent</i>	<i>Cum Percent</i>
	31	1	.84	.84	31.93
	32	1	.84	.84	32.77
	35	2	1.68	1.68	34.45
	36	1	.84	.84	35.29
	38	1	.84	.84	36.13
	39	1	.84	.84	36.97
	40	1	.84	.84	37.82
	41	1	.84	.84	38.66
	42	4	3.36	3.36	42.02
	44	2	1.68	1.68	43.70
	45	2	1.68	1.68	45.38
	46	1	.84	.84	46.22
	47	1	.84	.84	47.06
	49	1	.84	.84	47.90
	50	1	.84	.84	48.74
	52	1	.84	.84	49.58
	53	2	1.68	1.68	51.26
	54	1	.84	.84	52.10
	55	2	1.68	1.68	53.78
	56	1	.84	.84	54.62
	58	5	4.20	4.20	58.82
	59	1	.84	.84	59.66
	62	2	1.68	1.68	61.34
	63	1	.84	.84	62.18
	65	2	1.68	1.68	63.87
	66	3	2.52	2.52	66.39
	67	1	.84	.84	67.23
	68	1	.84	.84	68.07
	69	2	1.68	1.68	69.75
	71	2	1.68	1.68	71.43
	72	1	.84	.84	72.27
	73	1	.84	.84	73.11
	74	3	2.52	2.52	75.63
	75	2	1.68	1.68	77.31
	76	1	.84	.84	78.15
	77	3	2.52	2.52	80.67
	78	1	.84	.84	81.51
	79	1	.84	.84	82.35
	80	2	1.68	1.68	84.03
	81	1	.84	.84	84.87
	82	2	1.68	1.68	86.55
	84	2	1.68	1.68	88.24
	85	2	1.68	1.68	89.92
	90	2	1.68	1.68	91.60
	92	2	1.68	1.68	93.28
	93	3	2.52	2.52	95.80
	94	1	.84	.84	96.64

<i>Value Label</i>	<i>Value</i>	<i>Frequency</i>	<i>Percent</i>	<i>Valid Percent</i>	<i>Cum Percent</i>
	98	1	.84	.84	97.48
	99	3	2.52	2.52	100.00
<i>Total</i>		119	100.0	100.0	

ppm

<i>N</i>	<i>Valid</i>	119
	<i>Missing</i>	0
<i>Mean</i>		50.81
<i>Std Dev</i>		27.42
<i>Minimum</i>		.00
<i>Maximum</i>		99.00

# HISTOGRAM



.19: warning: FREQUENCIES: Omitting pie chart for ppm, which has over 50 unique values.

marketing

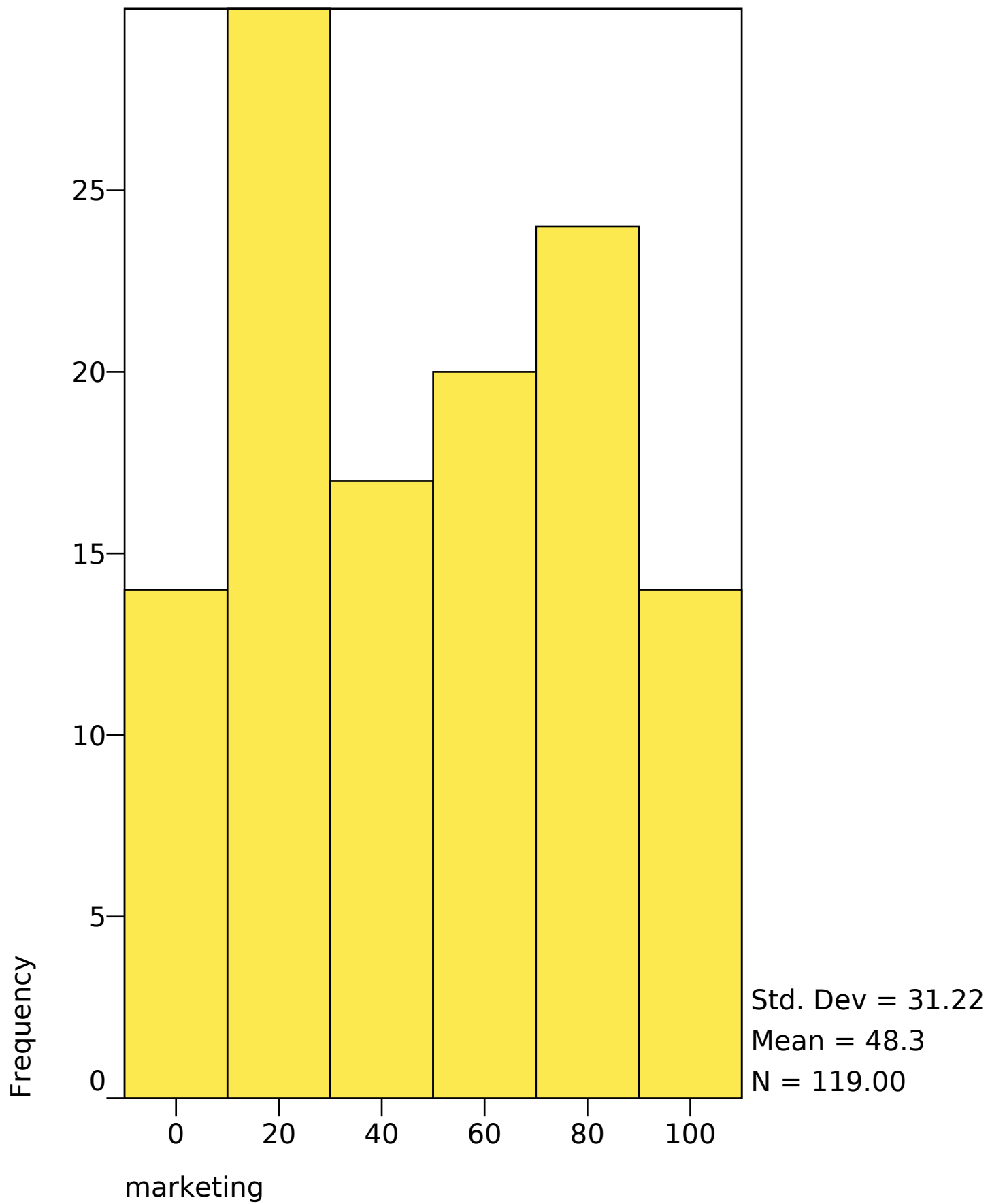
<i>Value Label</i>	<i>Value</i>	<i>Frequency</i>	<i>Percent</i>	<i>Valid Percent</i>	<i>Cum Percent</i>
	0	2	1.68	1.68	1.68
	1	2	1.68	1.68	3.36
	2	1	.84	.84	4.20
	3	1	.84	.84	5.04
	4	4	3.36	3.36	8.40
	6	1	.84	.84	9.24
	7	1	.84	.84	10.08
	9	2	1.68	1.68	11.76
	10	1	.84	.84	12.61
	11	1	.84	.84	13.45
	12	3	2.52	2.52	15.97
	14	3	2.52	2.52	18.49
	15	2	1.68	1.68	20.17
	16	3	2.52	2.52	22.69
	17	2	1.68	1.68	24.37
	19	2	1.68	1.68	26.05
	20	1	.84	.84	26.89
	21	2	1.68	1.68	28.57
	24	3	2.52	2.52	31.09
	25	1	.84	.84	31.93
	26	1	.84	.84	32.77
	27	1	.84	.84	33.61
	28	2	1.68	1.68	35.29
	29	2	1.68	1.68	36.97
	30	2	1.68	1.68	38.66
	31	1	.84	.84	39.50
	35	2	1.68	1.68	41.18
	36	1	.84	.84	42.02
	37	1	.84	.84	42.86
	38	1	.84	.84	43.70
	41	1	.84	.84	44.54
	43	3	2.52	2.52	47.06
	45	2	1.68	1.68	48.74
	47	1	.84	.84	49.58
	48	1	.84	.84	50.42
	49	1	.84	.84	51.26
	51	2	1.68	1.68	52.94
	52	1	.84	.84	53.78
	53	1	.84	.84	54.62
	55	1	.84	.84	55.46
	56	1	.84	.84	56.30
	57	2	1.68	1.68	57.98
	58	1	.84	.84	58.82
	59	2	1.68	1.68	60.50

<i>Value Label</i>	<i>Value</i>	<i>Frequency</i>	<i>Percent</i>	<i>Valid Percent</i>	<i>Cum Percent</i>
	60	1	.84	.84	61.34
	61	1	.84	.84	62.18
	62	1	.84	.84	63.03
	63	2	1.68	1.68	64.71
	65	2	1.68	1.68	66.39
	67	1	.84	.84	67.23
	69	1	.84	.84	68.07
	70	2	1.68	1.68	69.75
	71	1	.84	.84	70.59
	73	1	.84	.84	71.43
	74	2	1.68	1.68	73.11
	75	1	.84	.84	73.95
	76	1	.84	.84	74.79
	79	1	.84	.84	75.63
	80	1	.84	.84	76.47
	82	3	2.52	2.52	78.99
	83	1	.84	.84	79.83
	84	1	.84	.84	80.67
	85	5	4.20	4.20	84.87
	86	2	1.68	1.68	86.55
	87	1	.84	.84	87.39
	88	1	.84	.84	88.24
	90	2	1.68	1.68	89.92
	91	1	.84	.84	90.76
	92	1	.84	.84	91.60
	93	1	.84	.84	92.44
	94	1	.84	.84	93.28
	95	1	.84	.84	94.12
	96	1	.84	.84	94.96
	97	2	1.68	1.68	96.64
	98	2	1.68	1.68	98.32
	99	1	.84	.84	99.16
	100	1	.84	.84	100.00
<i>Total</i>		119	100.0	100.0	

marketing

<i>N</i>	<i>Valid</i>	119
	<i>Missing</i>	0
<i>Mean</i>		48.28
<i>Std Dev</i>		31.22
<i>Minimum</i>		.00
<i>Maximum</i>		100.00

# HISTOGRAM



.19: warning: FREQUENCIES: Omitting pie chart for marketing, which has over 50 unique values.

RECODE

```
RECODE ppm  
  (0 THRU 30 = 0) (30 THRU 60 = 30) (60 THRU 90 = 60) (90 THRU  
120 = 90)  
  INTO ppm_new .
```

EXECUTE

EXECUTE.

FREQUENCIES

```
FREQUENCIES  
  /VARIABLES= ppm_new  
  /FORMAT=AVALUE TABLE  
  /HISTOGRAM=NONNORMAL PERCENT  
  /PIECHART=.
```

ppm\_new

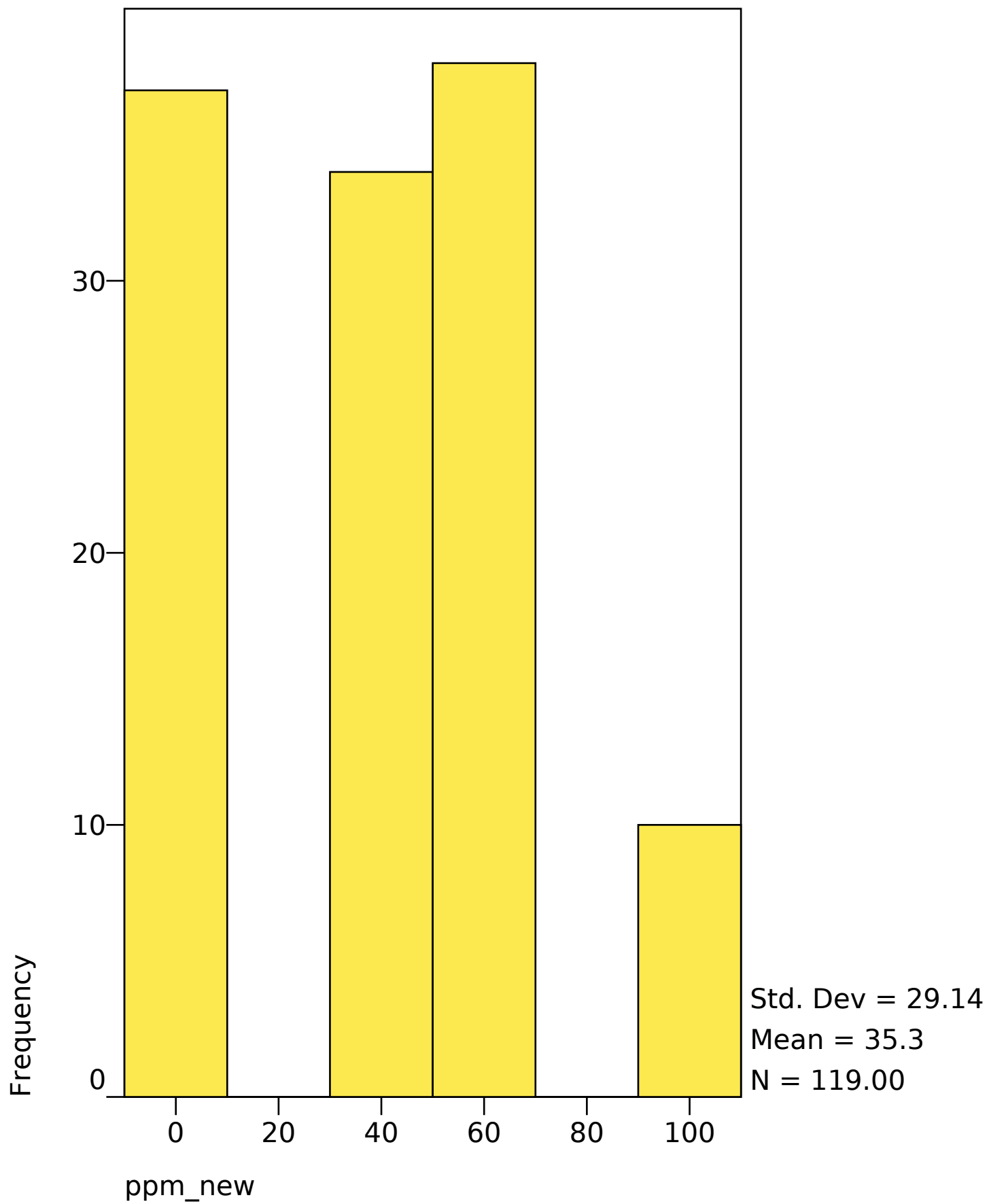
<i>Value Label</i>	<i>Value</i>	<i>Frequency</i>	<i>Percent</i>	<i>Valid Percent</i>	<i>Cum Percent</i>
	.00	37	31.09	31.09	31.09
	30.00	34	28.57	28.57	59.66
	60.00	38	31.93	31.93	91.60
	90.00	10	8.40	8.40	100.00
<i>Total</i>		119	100.0	100.0	

ppm\_new

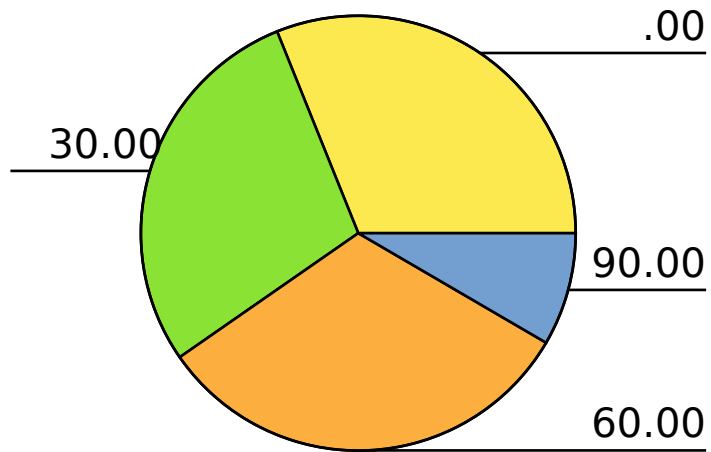
<i>N</i>	<i>Valid</i>	119
	<i>Missing</i>	0
<i>Mean</i>		35.29
<i>Std Dev</i>		29.14
<i>Minimum</i>		.00
<i>Maximum</i>		90.00



# HISTOGRAM



ppm\_new



## FREQUENCIES

### FREQUENCIES

```

/VARIABLES= ppm_new
/FORMAT=AVALUE TABLE
/HISTOGRAM=NONNORMAL PERCENT
/PIECHART=.

```

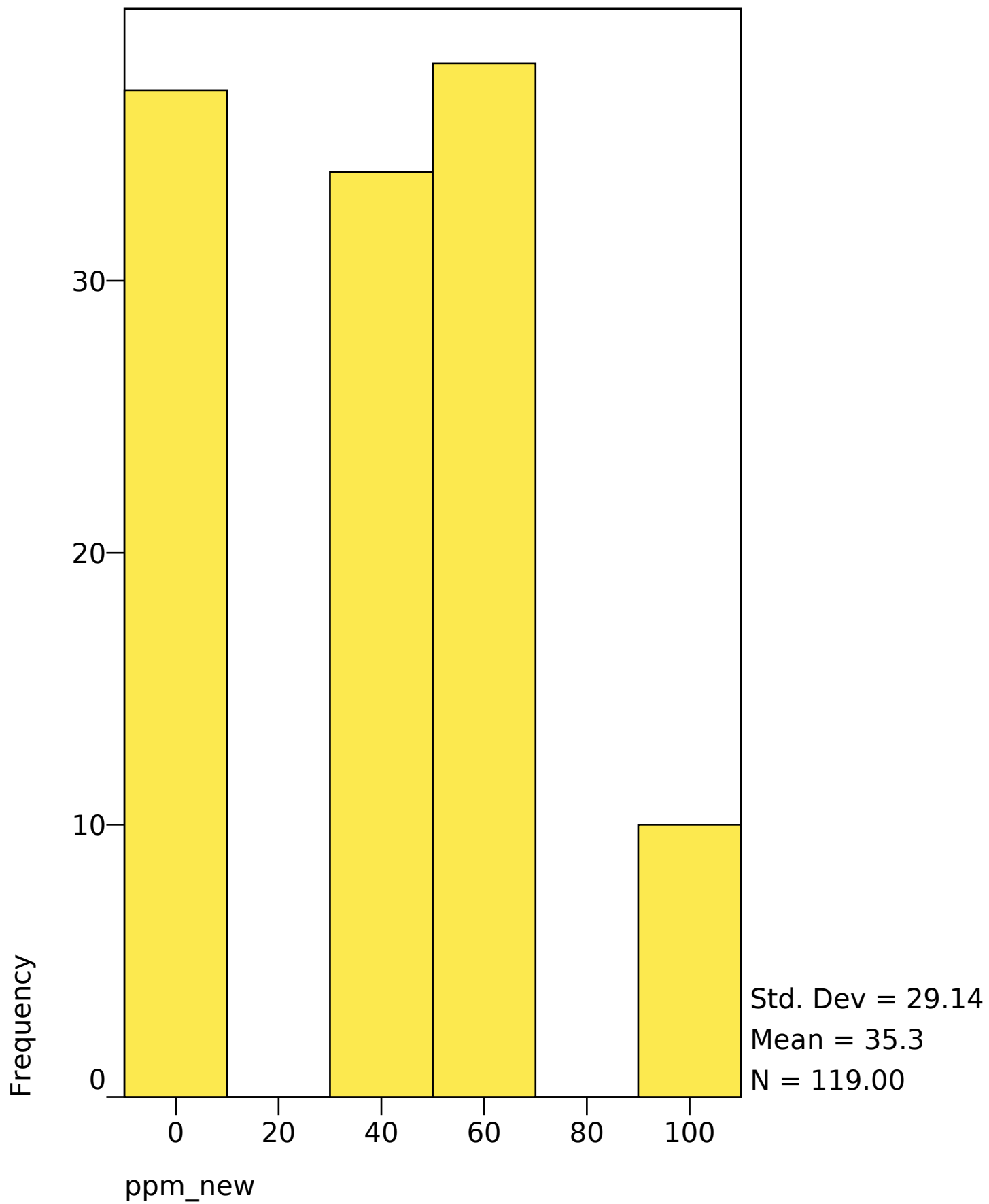
ppm\_new

<i>Value Label</i>	<i>Value</i>	<i>Frequency</i>	<i>Percent</i>	<i>Valid Percent</i>	<i>Cum Percent</i>
120	.00	37	31.09	31.09	31.09
	30.00	34	28.57	28.57	59.66
	60.00	38	31.93	31.93	91.60
	90.00	10	8.40	8.40	100.00
<i>Total</i>		119	100.0	100.0	

ppm\_new

<i>N</i>	<i>Valid</i>	119
	<i>Missing</i>	0
<i>Mean</i>		35.29
<i>Std Dev</i>		29.14
<i>Minimum</i>		.00
<i>Maximum</i>		90.00

# HISTOGRAM



ppm\_new

