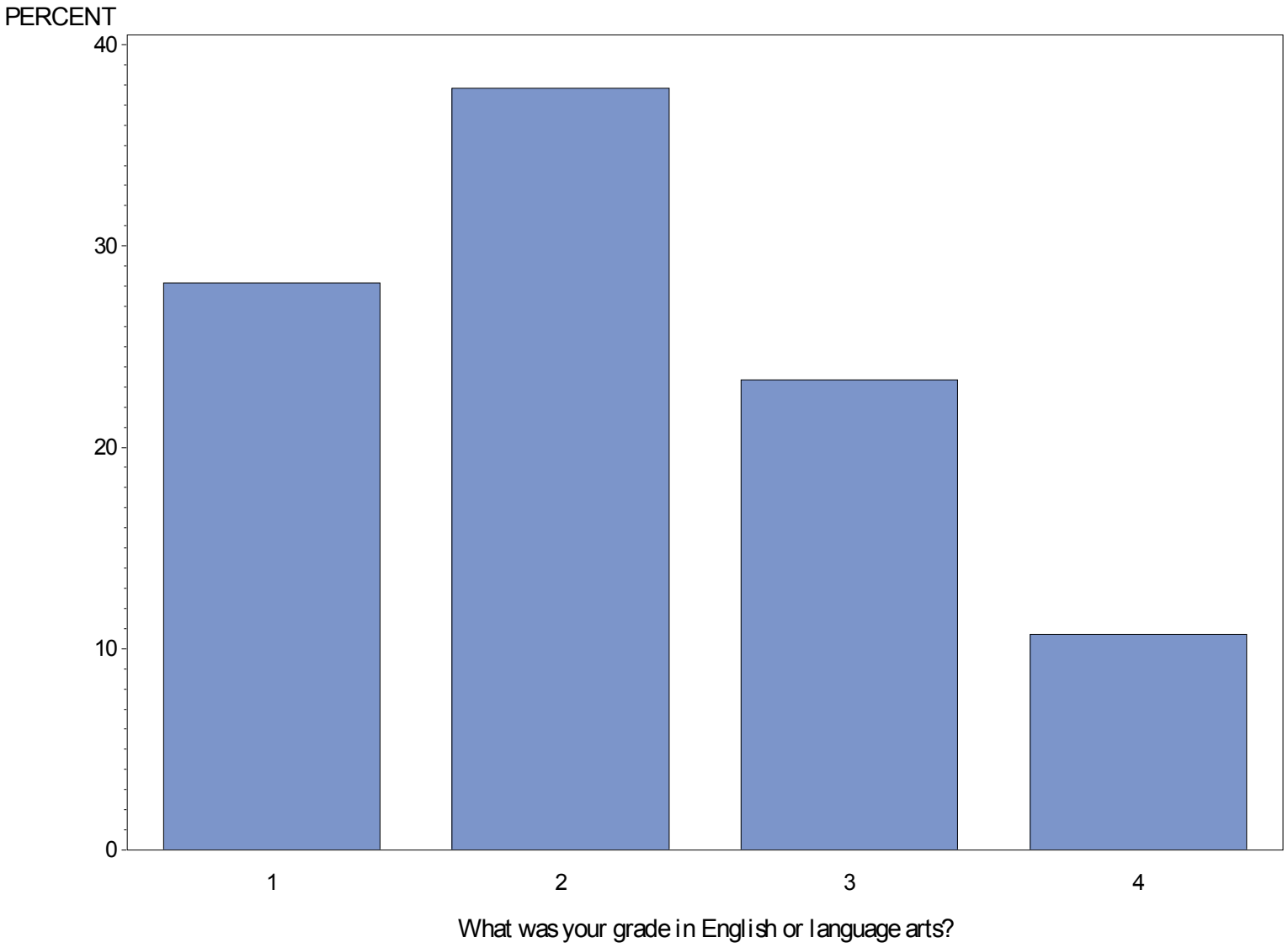
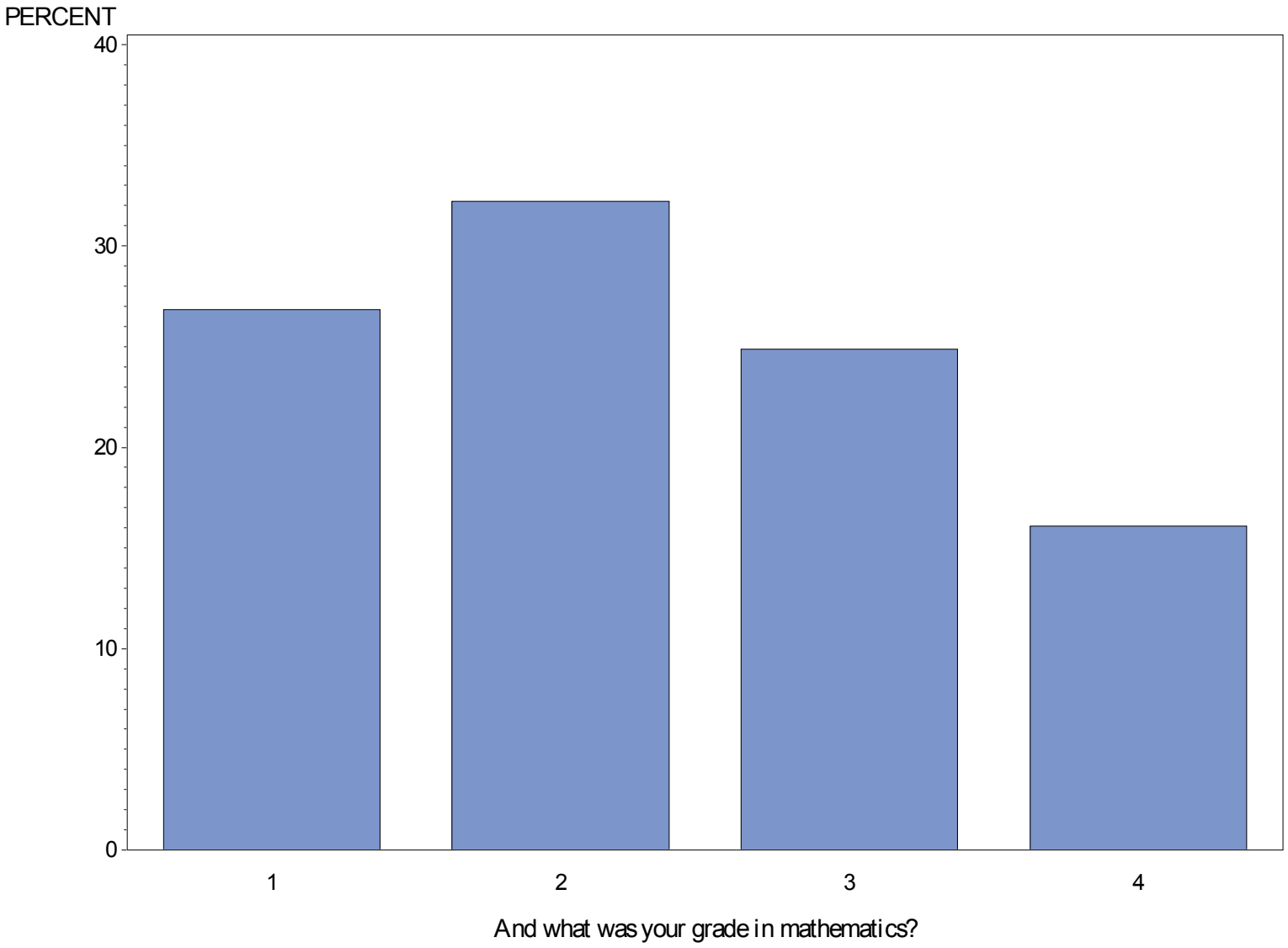
English Grade

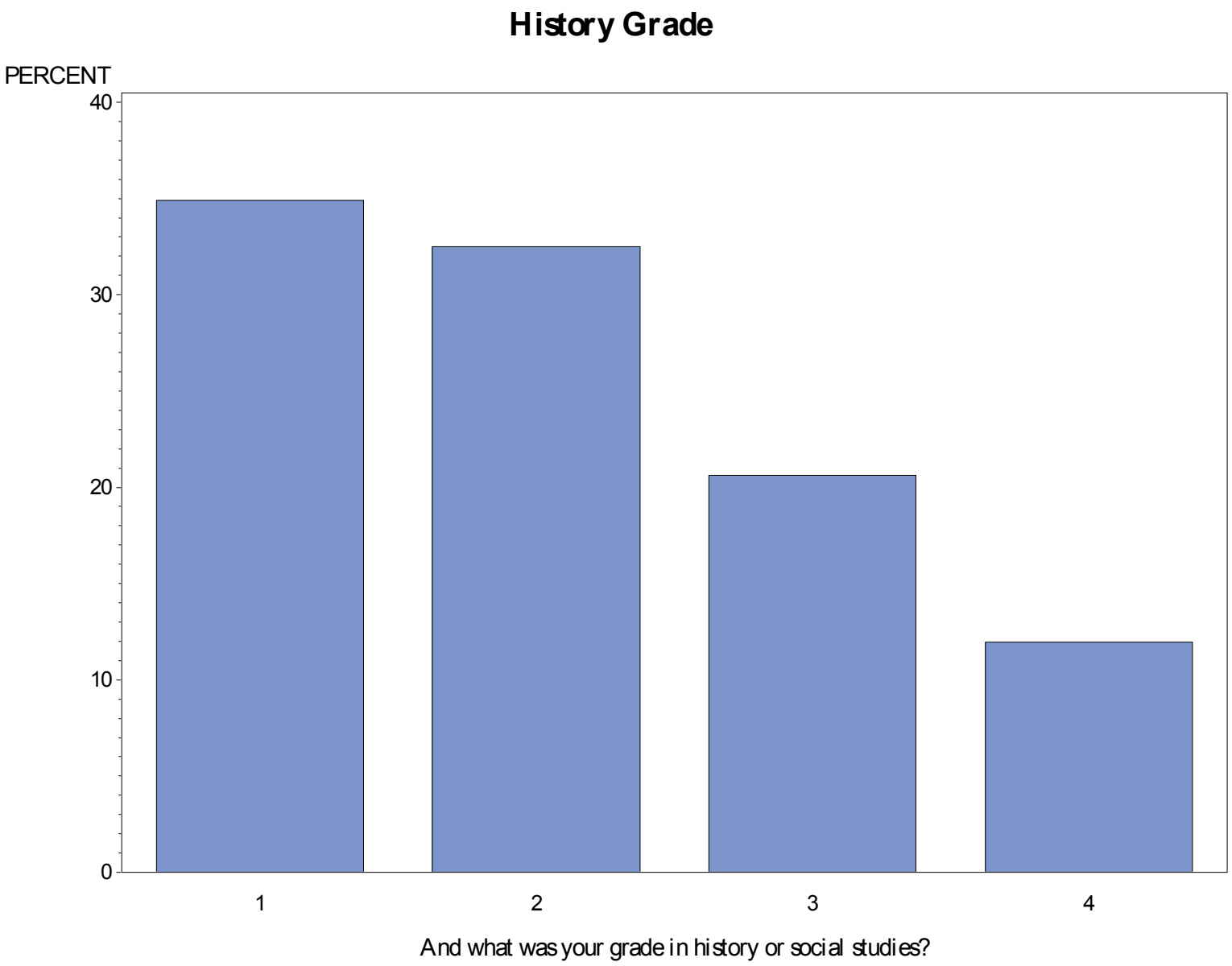


This graph is a unimodal and skewed right showing what the participant's grade was in English or language arts. The dummy codes for these grades are 1=A, 2=B, 3=C, and D=4. There is a fair amount of variability in this graph. The range is relatively small being from 1 to 4 and there is some variability. The midpoint is clearly at 2 for this graph, and 2 is the mode as well. The graph is helpful to see that the majority of the students got an A or a B in English. There are no outliers in the data shown here.

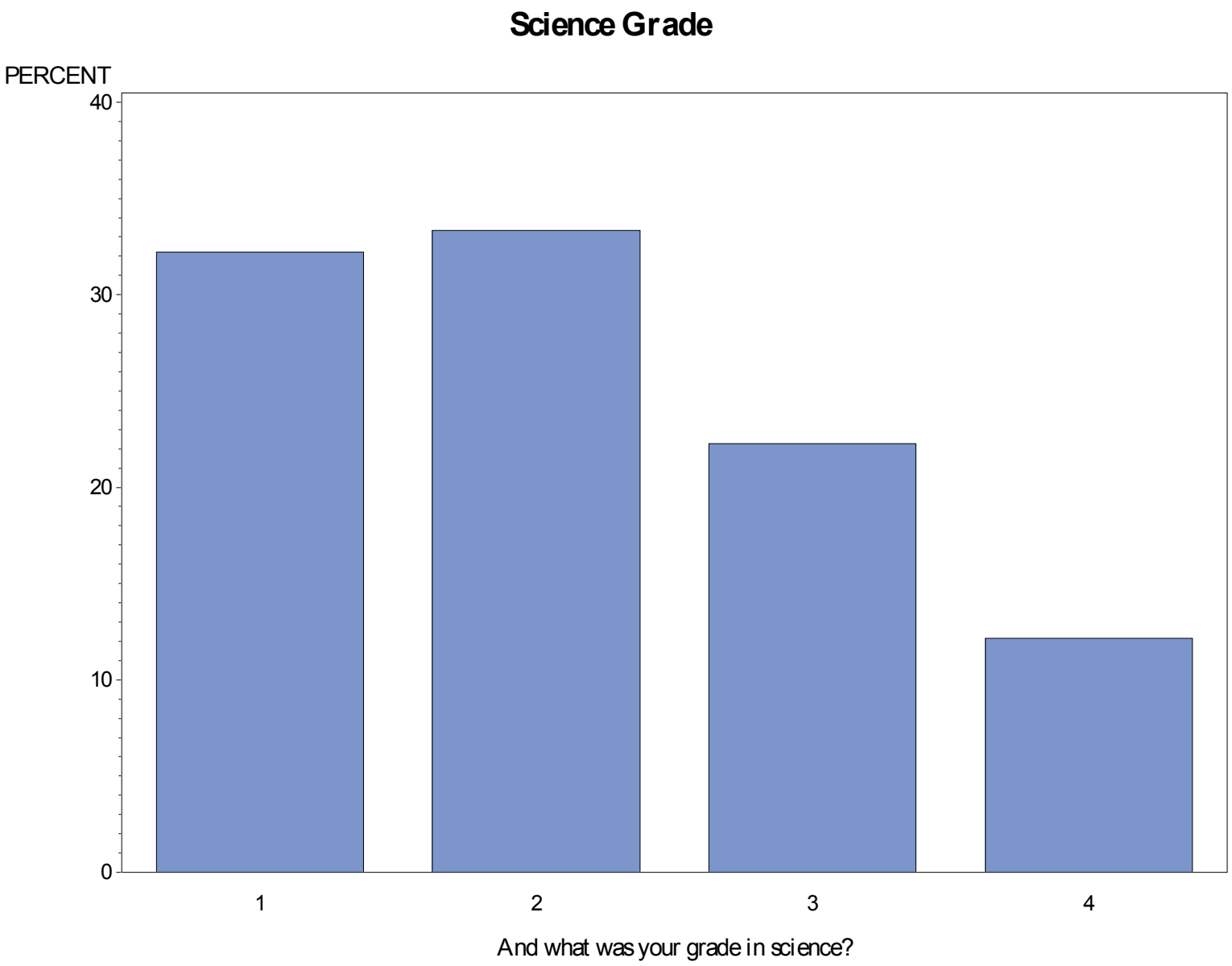
Math Grade



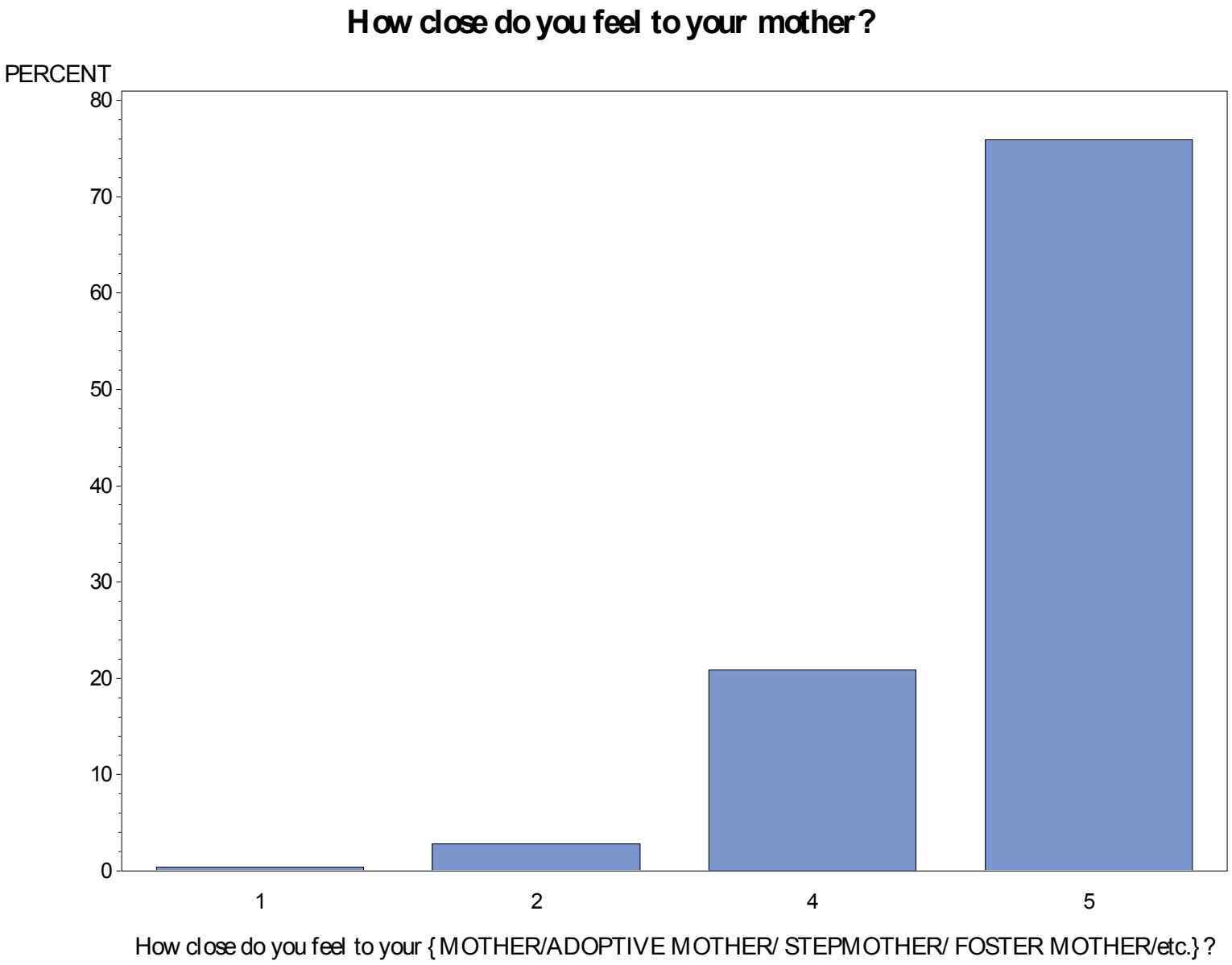
This graph is a unimodal and skewed right showing what the participant's grade was in Math. The dummy codes for these grades are 1=A, 2=B, 3=C, and D=4. There is quite a bit of variability in this graph but the majority of participants got A's, B's, and C's. The range is relatively small being from 1 to 4. The midpoint is clearly at 2 for this graph, and 2 is the mode as well. The graph is helpful to see that the majority of the students got an A or a B in Math as well as the previous graph for English, and few students received a D. There are no outliers in the data shown here.



This graph is a unimodal and skewed right showing what the participant's grade was in History or Social Studies. The dummy codes for these grades are 1=A, 2=B, 3=C, and D=4. There is a decent amount of variability in this graph. The range is relatively small being from 1 to 4. The midpoint is 2 for this graph, and 1 is the mode. The graph is helpful to see that the majority of the students got an A's in History and few got a D. There are no outliers in the data shown here.

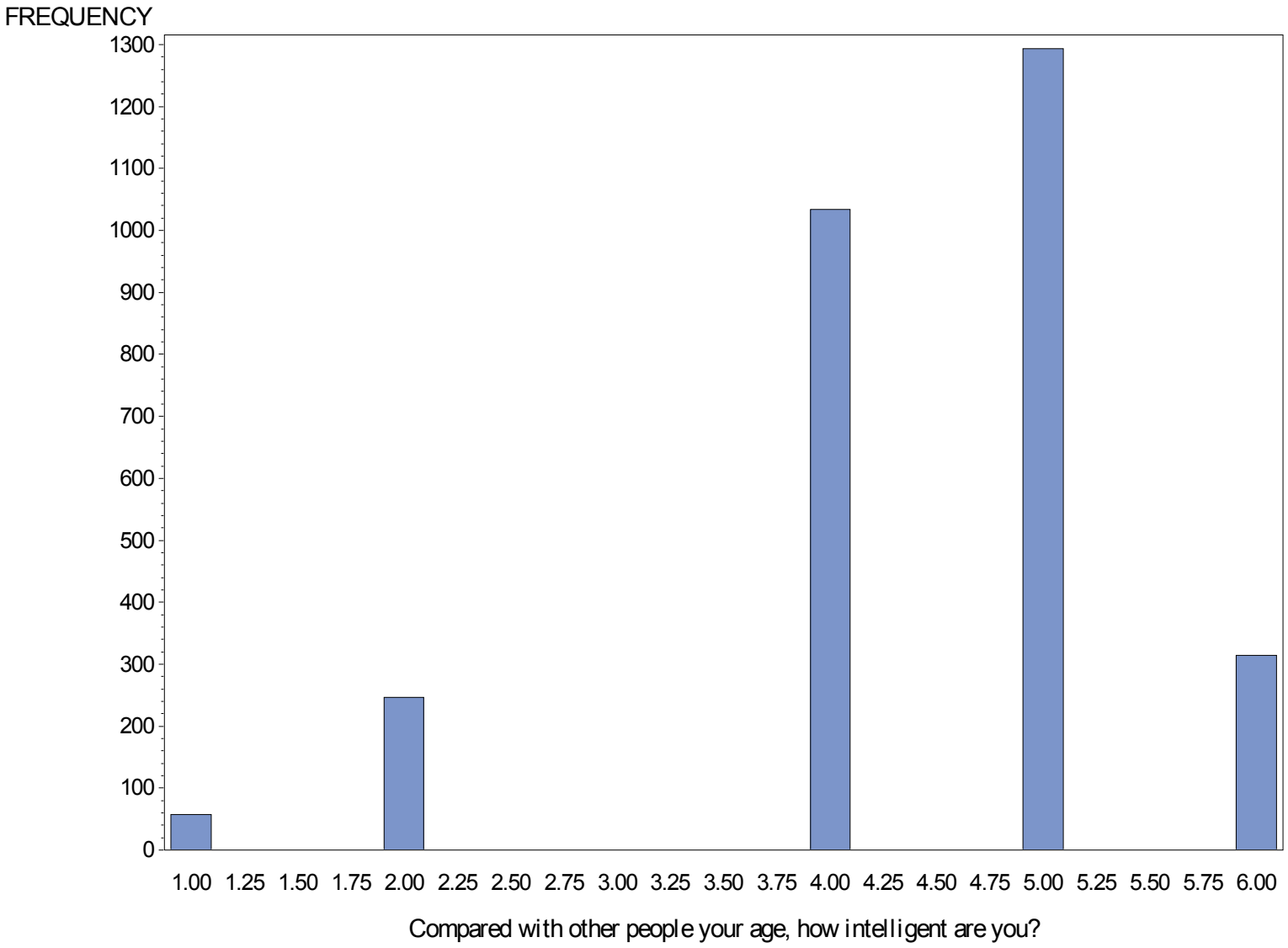


This graph is a unimodal and skewed right showing what the participant's grade was in Science. The dummy codes for these grades are 1=A, 2=B, 3=C, and D=4. There is quite a bit of variability in this graph as the majority of participants got A's and B's. The range is relatively small being from 1 to 4. The midpoint is clearly at 2 for this graph, and 2 is the mode as well. The graph is helpful to see that the majority of the students got B's and many got A's with few D's in Science. There are no outliers in the data shown here.



This graph shows results of asking the participant how close they feel to their mother. The chart is skewed left and is unimodal. There is very little variability because the majority of students said they were very close to their mother. The dummy codes represent 1=not at all, 2=very little, 4=Quite a bit, and 5=very much. This data shows decent variability with a range from 1 to 5. The midpoint is probably 4.5 and the mode is 5. There are no true outliers for this chart.

How intelligent are you compared to peers?



This graph shows results of asking participants how intelligent they thought they were in comparison to their peers on the x axis and on the y axis the number of participants is shown. Skewed left and unimodal, this graph has a range of 1 to 6. It has a fair amount of variability and the standard deviation is 1.09. The dummy codes for this are 1= moderately below average, 2=slightly below average, 4=slightly above average, 5=moderately above average, and 6=extremely above average. The mean is 4.42, the mode is 5, and the median is 5. There are no outliers.

How intelligent are you compared to peers?

The UNIVARIATE Procedure
Variable: H1SE4 (Compared with other people your age, how intelligent are you?)

Moments			
N	2945	**Sum Weights**	2945
Mean	4.42648557	**Sum Observations**	13036
Std Deviation	1.09257843	**Variance**	1.19372762
Skewness	-1.1557993	**Kurtosis**	1.42029897
Uncorrected SS	61218	**Corrected SS**	3514.33413
Coeff Variation	24.6827514	**Std Error Mean**	0.02013307

Basic Statistical Measures			
Location		**Variability**	
Mean	4.426486	**Std Deviation**	1.09258
Median	5.000000	**Variance**	1.19373
Mode	5.000000	**Range**	5.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	219.8614	**Pr > |t|**	<.0001
Sign	**M**	1472.5	**Pr >= |M|**	<.0001
Signed Rank	**S**	2168993	**Pr >= |S|**	<.0001

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	6
99%	6
95%	6
90%	6
75% Q3	5
50% Median	5
25% Q1	4
10%	2
5%	2

How intelligent are you compared to peers?

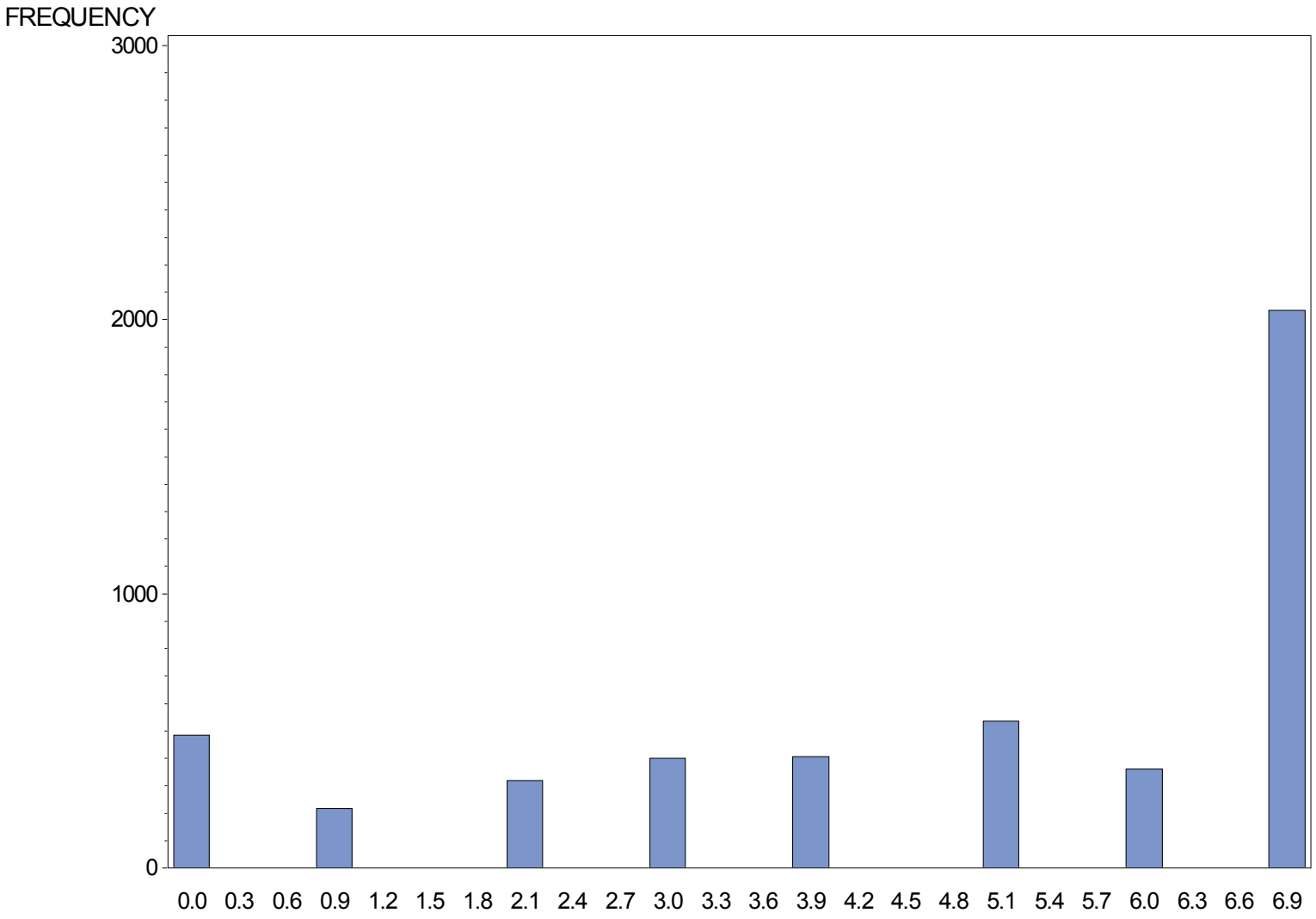
The UNIVARIATE Procedure
Variable: H1SE4 (Compared with other people your age, how intelligent are you?)

Quantiles (Definition 5)	
Level	**Quantile**
1%	1
0% Min	1

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
1	4811	6	4683
1	4664	6	4752
1	4651	6	4794
1	4510	6	4816
1	4478	6	4828

Missing Values			
		Percent Of	
Missing Value	**Count**	**All Obs**	**Missing Obs**
.	1891	39.10	100.00

Past 30 days, # Family Meals



This graph has number of participants on the y axis and the number of days in the past 7 days at least one of the participant's parents were in the room when they ate their evening meal. This graph is unimodal, has low variability, and is skewed left. The range is 0 to 7 and the standard deviation is 2.46. The mean is 4.78, the mode is 7, and the median is 6. There are no outliers.

Past 30 days, # Family Meals

The UNIVARIATE Procedure

Variable: H1WP8 (On how many of the past 7 days was at least one of your parents in the room with you while you ate your evening meal?)

Moments			
N	4757	**Sum Weights**	4757
Mean	4.78452806	**Sum Observations**	22760
Std Deviation	2.45797911	**Variance**	6.04166133
Skewness	-0.7280241	**Kurtosis**	-0.8593677
Uncorrected SS	137630	**Corrected SS**	28734.1413
Coeff Variation	51.3734914	**Std Error Mean**	0.03563786

Basic Statistical Measures			
Location		**Variability**	
Mean	4.784528	**Std Deviation**	2.45798
Median	6.000000	**Variance**	6.04166
Mode	7.000000	**Range**	7.00000
		Interquartile Range	4.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	134.2541	**Pr > |t|**	<.0001
Sign	**M**	2136.5	**Pr >= |M|**	<.0001
Signed Rank	**S**	4565701	**Pr >= |S|**	<.0001

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	7
99%	7
95%	7
90%	7
75% Q3	7
50% Median	6
25% Q1	3
10%	0
5%	0

Past 30 days, # Family Meals

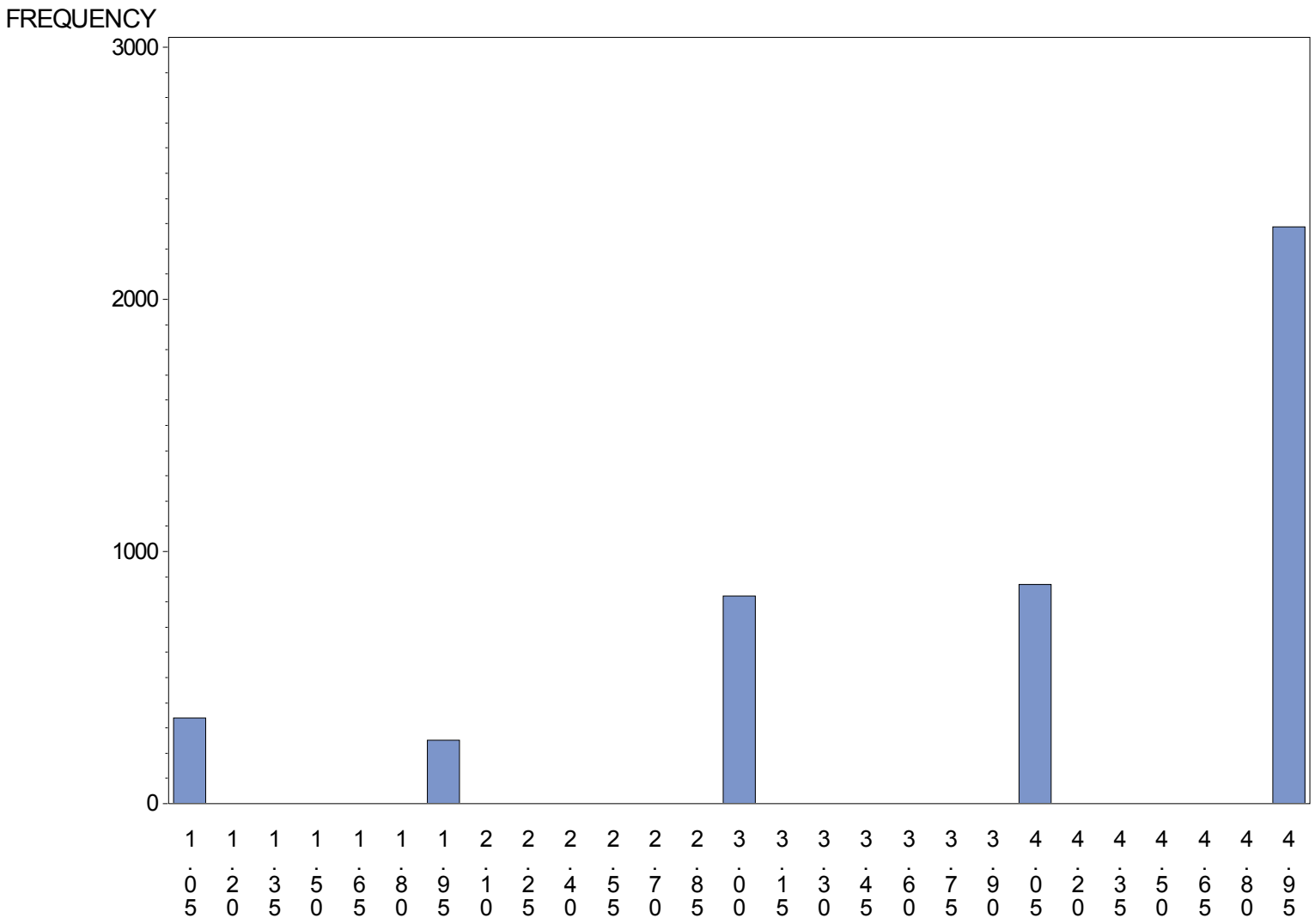
The UNIVARIATE Procedure

Variable: H1WP8 (On how many of the past 7 days was at least one of your parents in the room with you while you ate your evening meal?)

Quantiles (Definition 5)	
Level	**Quantile**
1%	0
0% Min	0

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
0	4750	7	4830
0	4711	7	4831
0	4708	7	4833
0	4689	7	4834
0	4673	7	4835

Missing Values			
		Percent Of	
Missing Value	**Count**	**All Obs**	**Missing Obs**
.	79	1.63	100.00



This graph has number of participants on the y axis and on a scale of 1 to 5, how disappointed the participant's mother would be if they did not graduate from college. This graph is unimodal and is skewed left. The range is from 1 to 5, the standard deviation is 1,25 and it has little variability. The mean is 3.98, the mode is 5 and the median is 5. There are no outliers.

Mother dissapointment without graduating from College

The UNIVARIATE Procedure

Variable: H1WP11 (On a scale of 1 to 5, where 1 is low and 5 is high, how disappointed would she be if you did not graduate from college?)

Moments			
N	4572	**Sum Weights**	4572
Mean	3.98731409	**Sum Observations**	18230
Std Deviation	1.25254187	**Variance**	1.56886113
Skewness	-1.0506427	**Kurtosis**	0.0345671
Uncorrected SS	79860	**Corrected SS**	7171.26422
Coeff Variation	31.4131729	**Std Error Mean**	0.01852419

Basic Statistical Measures			
Location		**Variability**	
Mean	3.987314	**Std Deviation**	1.25254
Median	5.000000	**Variance**	1.56886
Mode	5.000000	**Range**	4.00000
		Interquartile Range	2.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	215.2491	**Pr > |t|**	<.0001
Sign	**M**	2286	**Pr >= |M|**	<.0001
Signed Rank	**S**	5226939	**Pr >= |S|**	<.0001

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	5
99%	5
95%	5
90%	5
75% Q3	5
50% Median	5
25% Q1	3
10%	2
5%	1

Mother dissapointment without graduating from College

The UNIVARIATE Procedure

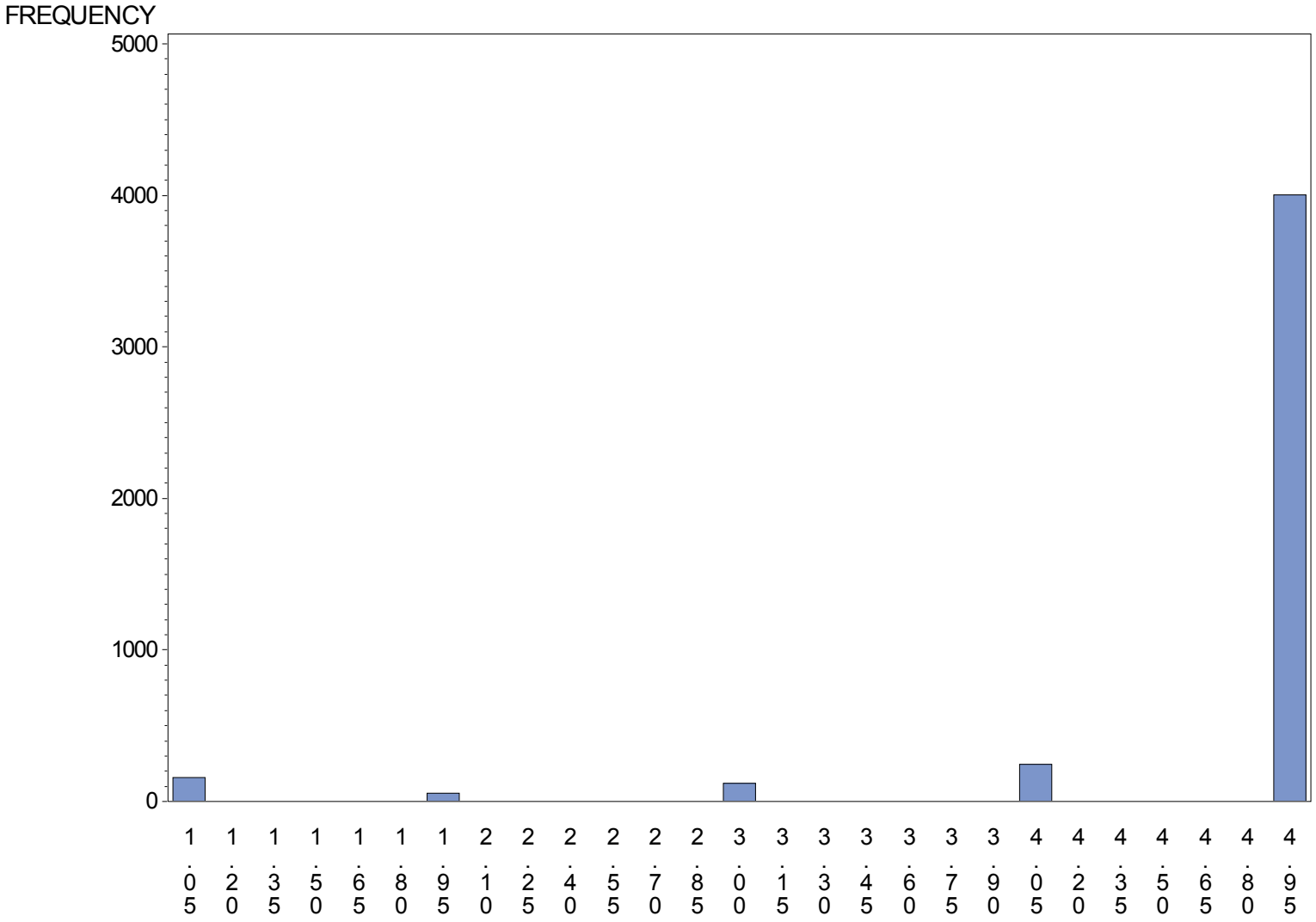
Variable: H1WP11 (On a scale of 1 to 5, where 1 is low and 5 is high, how disappointed would she be if you did not graduate from college?)

Quantiles (Definition 5)	
Level	**Quantile**
1%	1
0% Min	1

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
1	4836	5	4830
1	4818	5	4831
1	4744	5	4832
1	4702	5	4833
1	4695	5	4834

Missing Values			
		Percent Of	
Missing Value	**Count**	**All Obs**	**Missing Obs**
.	264	5.46	100.00

Mother dissapointment without graduationg from High School



This graph has number of participants on the y axis and on a scale of 1 to 5, how disappointed the participant's mother would be if they did not graduate from High School. This graph is unimodal, and is skewed left. It has very little variability, the range is 1 to 5, and the standard deviation is .86. The mean is 4,72, the mode is 5 and the median is 5. There are no outliers.

Mother dissapointment without graduationg from High School

The UNIVARIATE Procedure

Variable: H1WP12 (On a scale of 1 to 5, where 1 is low and 5 is high, how disappointed would she be if you did not graduate from high school?)

Moments			
N	4579	**Sum Weights**	4579
Mean	4.72046298	**Sum Observations**	21615
Std Deviation	0.86105392	**Variance**	0.74141385
Skewness	-3.389433	**Kurtosis**	10.7833226
Uncorrected SS	105427	**Corrected SS**	3394.19262
Coeff Variation	18.2408786	**Std Error Mean**	0.01272463

Basic Statistical Measures			
Location		**Variability**	
Mean	4.720463	**Std Deviation**	0.86105
Median	5.000000	**Variance**	0.74141
Mode	5.000000	**Range**	4.00000
		Interquartile Range	0

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	370.9707	**Pr > |t|**	<.0001
Sign	**M**	2289.5	**Pr >= |M|**	<.0001
Signed Rank	**S**	5242955	**Pr >= |S|**	<.0001

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	5
99%	5
95%	5
90%	5
75% Q3	5
50% Median	5
25% Q1	5
10%	4
5%	3

Mother dissapointment without graduationg from High School

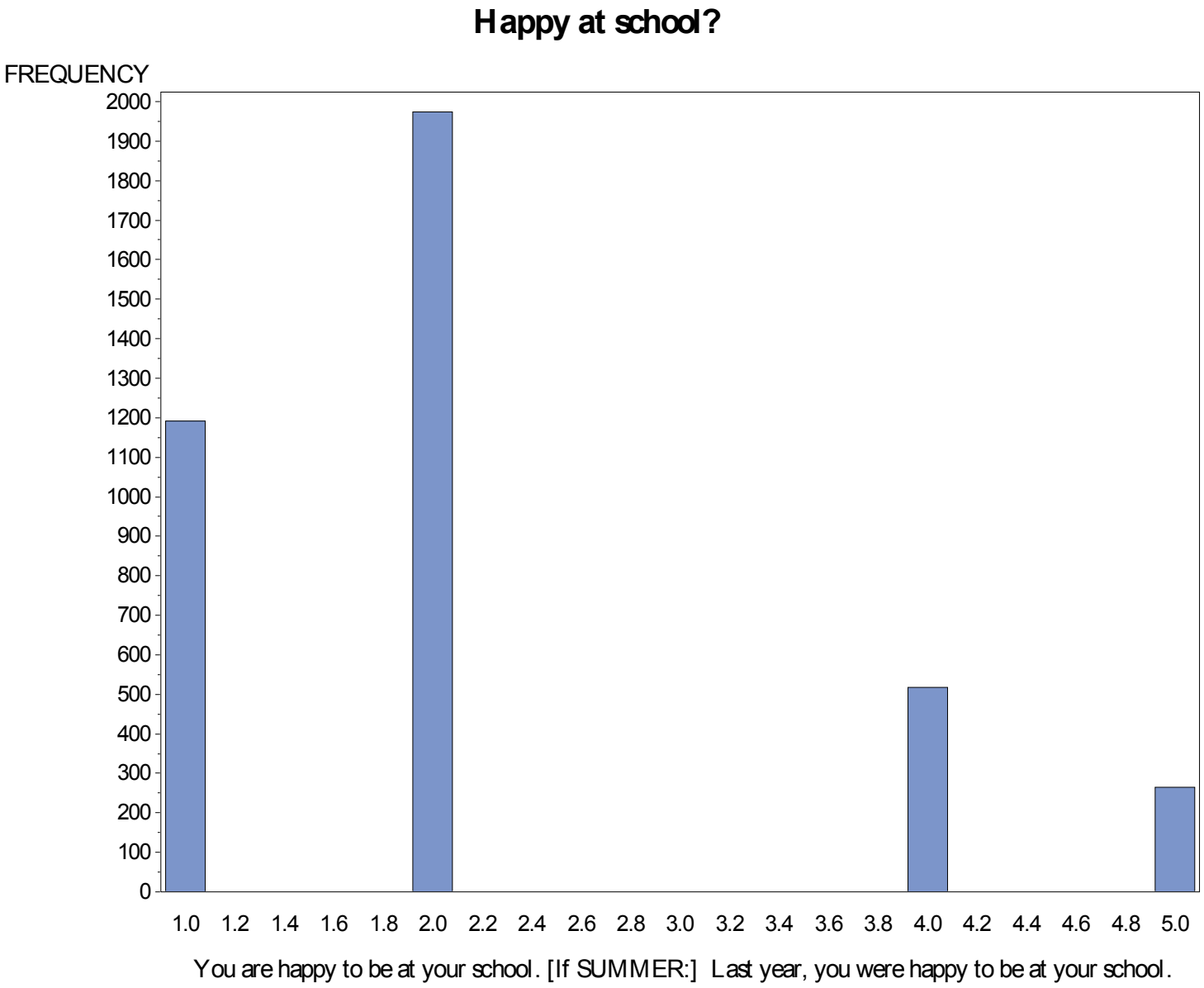
The UNIVARIATE Procedure

Variable: H1WP12 (On a scale of 1 to 5, where 1 is low and 5 is high, how disappointed would she be if you did not graduate from high school?)

Quantiles (Definition 5)	
Level	**Quantile**
1%	1
0% Min	1

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
1	4836	5	4830
1	4827	5	4831
1	4784	5	4832
1	4770	5	4833
1	4705	5	4834

Missing Values			
		Percent Of	
Missing Value	**Count**	**All Obs**	**Missing Obs**
.	257	5.31	100.00



This graph has number of participants on the y axis and the x axis has the question “are you happy at school.” This graph is unimodal and skewed right. The range is 1 to 5, the standard deviation is 1.19, and there is a fair amount of variability. The mean is 2.16, the mode is 2 and the median is 2 as well. There are no outliers.

Happy at school?

The UNIVARIATE Procedure

Variable: H1ED22 (You are happy to be at your school. [If SUMMER:] Last year, you were happy to be at your school.)

Moments			
N	3949	**Sum Weights**	3949
Mean	2.16181312	**Sum Observations**	8537
Std Deviation	1.18518393	**Variance**	1.40466095
Skewness	1.12619238	**Kurtosis**	0.24829943
Uncorrected SS	24001	**Corrected SS**	5545.60142
Coeff Variation	54.8236071	**Std Error Mean**	0.01886002

Basic Statistical Measures			
Location		**Variability**	
Mean	2.161813	**Std Deviation**	1.18518
Median	2.000000	**Variance**	1.40466
Mode	2.000000	**Range**	4.00000
		Interquartile Range	1.00000

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	**t**	114.6241	**Pr > |t|**	<.0001
Sign	**M**	1974.5	**Pr >= |M|**	<.0001
Signed Rank	**S**	3899638	**Pr >= |S|**	<.0001

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	5
99%	5
95%	5
90%	4
75% Q3	2
50% Median	2
25% Q1	1
10%	1
5%	1

Happy at school?

The UNIVARIATE Procedure

Variable: H1ED22 (You are happy to be at your school. [If SUMMER:] Last year, you were happy to be at your school.)

Quantiles (Definition 5)	
Level	**Quantile**
1%	1
0% Min	1

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
1	4833	5	4773
1	4832	5	4806
1	4830	5	4820
1	4828	5	4829
1	4826	5	4835

Missing Values			
		Percent Of	
Missing Value	**Count**	**All Obs**	**Missing Obs**
.	887	18.34	100.00

Happy at school?

The FREQ Procedure

How close do you feel to your {MOTHER/ADOPTIVE MOTHER/ STEPMOTHER/ FOSTER MOTHER/etc.}?				
H1WP9	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
1	17	0.40	17	0.40
2	118	2.77	135	3.17
4	889	20.89	1024	24.06
5	3232	75.94	4256	100.00
Frequency Missing = 580				

What was your grade in English or language arts?				
H1ED11	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
1	1304	28.15	1304	28.15
2	1752	37.82	3056	65.96
3	1081	23.33	4137	89.29
4	496	10.71	4633	100.00
Frequency Missing = 203				

And what was your grade in mathematics?				
H1ED12	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
1	1225	26.86	1225	26.86
2	1469	32.21	2694	59.07
3	1134	24.86	3828	83.93
4	733	16.07	4561	100.00
Frequency Missing = 275				

Happy at school?

The FREQ Procedure

And what was your grade in history or social studies?				
H1ED13	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
1	1490	34.90	1490	34.90
2	1387	32.49	2877	67.39
3	881	20.64	3758	88.03
4	511	11.97	4269	100.00
Frequency Missing = 567				

And what was your grade in science?				
H1ED14	**Frequency**	**Percent**	**Cumulative Frequency**	**Cumulative Percent**
1	1392	32.24	1392	32.24
2	1439	33.33	2831	65.56
3	962	22.28	3793	87.84
4	525	12.16	4318	100.00
Frequency Missing = 518				

```
/*tells SAS where to find my data set*/
libname mydata '/courses/d6670be5ba27fe300' access=readonly;

/*tells SAS what data set to use*/
Data new; set mydata.addhealth_pds;

Keep AID age agegroup sex posfeel
H1SE4 H1FS4 H1FS8 H1FS11 H1FS15 H1WP1 H1WP2 H1WP3 H1WP6 H1WP7 H1WP8 H1WP9 H1WP10 H1WP11 H1WP12 H1WP13
H1WP14 H1WP15 H1WP16 H1WP17A H1WP17B H1WP17C
H1WP17D H1WP17E H1WP17F H1WP17G H1WP17H H1WP17I H1WP17J H1WP18A H1WP18B H1WP18C H1WP18D H1WP18E
H1WP18F H1WP18G H1WP18H H1WP18I H1WP18J
H1EE1 H1EE2 H1ED11 H1ED12 H1ED13 H1ED14 H1ED22 GPA_EST/*put all variable names here*/;

/*gives us the variable along with the label (note if the variable is in your code some place then
it needs to be in your label*/
Label

/*Section 9 Self-efficacy*/
   H1SE4="Compared with other people your age, how intelligent are you?" /*Quantitative and Explainatory*/
/*Section 10 Feelings Scale*/
   H1FS4="You felt that you were just as good as other people." /*Catagorical and Explainatory*/
   H1FS8="You felt hopeful about the future." /*Catagorical and Explainatory*/
   H1FS11="You were happy" /*Catagorical and Explainatory*/
   H1FS15="You enjoyed life" /*Catagorical and Explainatory*/
/*Section 16 Relations with Parents*/
   H1WP1="Do your parents let you make your own decisions about what time you must be home on weekend nights?" /*Catagorical and
Explainatory*/
```

Happy at school?

The FREQ Procedure

H1WP2="Do your parents let you make your own decisions about the people you hang around with?" /*Catagorical and Explainatory*/
H1WP3="Do your parents let you make your own decisions about what you wear?" /*Catagorical and Explainatory*/
H1WP6="Do your parents let you make your own decisions about what time you go to bed on week nights?" /*Catagorical and Explainatory*/
H1WP7="Do your parents let you make your own decisions about what you eat?" /*Catagorical and Explainatory*/
H1WP8="On how many of the past 7 days was at least one of your parents in the room with you while you ate your evening meal?" /*Quantitative and Explainatory*/
H1WP9="How close do you feel to your {MOTHER/ADOPTIVE MOTHER/ STEPMOTHER/ FOSTER MOTHER/etc.}?" /*Catagorical and Explainatory*/
H1WP10="How much do you think she cares about you?"/*Catagorical and Explainatory*/
H1WP11="On a scale of 1 to 5, where 1 is low and 5 is high, how disappointed would she be if you did not graduate from college? " /*Quantitative and Explainatory*/
H1WP12=" On a scale of 1 to 5, where 1 is low and 5 is high, how disappointed would she be if you did not graduate from high school? " /*Quantitative and Explainatory*/
H1WP13="How close do you feel to your {FATHER/ADOPTIVE FATHER/STEPFATHER/FOSTER FATHER/etc.}?" /*Catagorical and Explainatory*/
H1WP14="How much do you think he cares about you?"/*Catagorical and Explainatory*/
H1WP15="On a scale of 1 to 5, where 1 is low and 5 is high, how disappointed would he be if you did not graduate from college? " /*Catagorical and Explainatory*/
H1WP16=" On a scale of 1 to 5, where 1 is low and 5 is high, how disappointed would he be if you did not graduate from high school? " /*Catagorical and Explainatory*/
H1WP17A="Which of the things listed on this card have you done with your {MOTHER/ADOPTIVE MOTHER/STEPMOTHER/FOSTER MOTHER/etc.} in the past 4 weeks?gone shopping" /*Catagorical and Explainatory*/
H1WP17B="played a sport" /*Catagorical and Explainatory*/
H1WP17D="talked about someone you're dating, or a party you went to " /*Catagorical and Explainatory*/
H1WP17E="gone to a movie, play, museum, concert, or sports event "/*Catagorical and Explainatory*/
H1WP17F="had a talk about a personal problem you were having "/*Catagorical and Explainatory*/
H1WP17G="had a serious argument about your behavior"/*Catagorical and Explainatory*/
H1WP17H="talked about your school work or grades"/*Catagorical and Explainatory*/
H1WP17I="worked on a project for school"/*Catagorical and Explainatory*/
H1WP17J="talked about other things you're doing in school"/*Catagorical and Explainatory*/
H1WP18A="Which of these things have you done with your {FATHER/ADOPTIVE FATHER/ STEPFATHER/FOSTER FATHER/etc.} in the past 4 weeks?gone shopping" /*Catagorical and Explainatory*/
H1WP18B="played a sport"/*Catagorical and Explainatory*/
H1WP18D="talked about someone you're dating, or a party you went to "/*Catagorical and Explainatory*/
H1WP18E="gone to a movie, play, museum, concert, or sports event "/*Catagorical and Explainatory*/
H1WP18F="had a talk about a personal problem you were having "/*Catagorical and Explainatory*/
H1WP18G="had a serious argument about your behavior"/*Catagorical and Explainatory*/
H1WP18H="talked about your school work or grades"/*Catagorical and Explainatory*/
H1WP18I="worked on a project for school"/*Catagorical and Explainatory*/
H1WP18J="talked about other things you're doing in school"/*Catagorical and Explainatory*/
/*Section 38 Employment, Expectations, and Income*/
H1EE1="On a scale of 1 to 5, where 1 is low and 5 is high, how much do you want to go to college?" /*Catagorical and Explainatory*/
H1EE2="On a scale of 1 to 5, where 1 is low and 5 is high, how likely is it that you will go to college?" /*Catagorical and Explainatory*/
/*SECTION 5 ACADEMICS AND EDUCATION*/
H1ED11="What was your grade in English or language arts?" /*Catagorical and Response*/
H1ED12="And what was your grade in mathematics?" /*Catagorical and Response*/
H1ED13="And what was your grade in history or social studies? " /*Catagorical and Response*/
H1ED14="And what was your grade in science?" /*Catagorical and Response*/
H1ED22=" You are happy to be at your school. [If SUMMER:] Last year, you were happy to be at your school." /*Quantitative and Explainatory*/

/*Demographics*/
agegroup /*age*/="age of participant"
sex /*bio_sex*/="sex of participant"

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The FREQ Procedure

```
        GPA_EST="GPA of participant"
        posfeel="positive feelings";
;

/*treatment for missing data*/

/*Section 9 Self-efficacy*/
IF H1SE4 GE 96 then H1SE4=.;
/*Section 10 Feelings Scale*/
If H1FS4 GE 6 then H1FS4=.;
if H1EE3 GE 6 then H1EE3=.;
If H1FS8 GE 6 then H1FS8=.;
If H1FS11 GE 6 then H1FS11=.;
If H1FS15 GE 6 then H1FS15=.;
/*Section 16 Relations with Parents*/
If H1WP1 GE 6 then H1WP1=.;
If H1WP2 GE 6 then H1WP2=.;
If H1WP3 GE 6 then H1WP3=.;
If H1WP6 GE 6 then H1WP6=.;
If H1WP7 GE 6 then H1WP7=.;
if H1WP8 GE 96 then H1WP8=.;
if H1WP9 GE 6 then H1WP9=.;
if H1WP10 GE 6 then H1WP10=.;
if H1WP11 GE 6 then H1WP11=.;
if H1WP12 GE 6 then H1WP12=.;
if H1WP13 GE 6 then H1WP13=.;
if H1WP14 GE 6 then H1WP14=.;
if H1WP15 GE 6 then H1WP15=.;
if H1WP16 GE 6 then H1WP16=.;
if H1WP17A GE 6 then H1WP17A=.;
if H1WP17B GE 6 then H1WP17B=.;
if H1WP17C GE 6 then H1WP17C=.;
if H1WP17D GE 6 then H1WP17D=.;
if H1WP17E GE 6 then H1WP17E=.;
if H1WP17F GE 6 then H1WP17F=.;
if H1WP17G GE 6 then H1WP17G=.;
if H1WP17H GE 6 then H1WP17H=.;
if H1WP17I GE 6 then H1WP17I=.;
if H1WP17J GE 6 then H1WP17J=.;
if H1WP18A GE 6 then H1WP18A=.;
if H1WP18B GE 6 then H1WP18B=.;
if H1WP18C GE 6 then H1WP18C=.;
if H1WP18D GE 6 then H1WP18D=.;
if H1WP18E GE 6 then H1WP18E=.;
if H1WP18F GE 6 then H1WP18F=.;
if H1WP18G GE 6 then H1WP18G=.;
if H1WP18H GE 6 then H1WP18H=.;
if H1WP18I GE 6 then H1WP18I=.;
if H1WP18J GE 6 then H1WP18J=.;
/*Section 38 Employment, Expectations, and Income*/
if H1EE1 GE 6 then H1EE1=.;
if H1EE2 GE 6 then H1EE2=.;
/*SECTION 5 ACADEMICS AND EDUCATION*/
if H1ED11 GE 5 then H1ED11=.;
if H1ED12 GE 5 then H1ED12=.;
if H1ED13 GE 5 then H1ED13=.;
if H1ED14 GE 5 then H1ED14=.;
```

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The FREQ Procedure

```
if H1ED22 GE 6 then H1ED22=.;
if H1to13=7 then h1to13=0; /*changed a missing to a 1*/

/*recode dummy codes*/
If bio_sex=1 then sex=0;/*male*/
If bio_sex=2 then sex=1;/*female*/


/*Collapsing Quantitive Variable*/
If age ge 13 then agegroup=13;
If age ge 14 then agegroup=14;
If age ge 15 then agegroup=15;
If age ge 16 then agegroup=16;
If age ge 17 then agegroup=17;
If age ge 18 then agegroup=18;
If age ge 19 then agegroup=19;
If age ge 20 then agegroup=20;
If age ge 21 then agegroup=21;

/*subsetting the data to look at a specific group*/
/*IF sex= 1*/
If age GE 13;
/*subset?*/



/* Responses too neutral to be useful*/
If H1ED11=6 then H1ED11=.;
If H1ED12=6 then H1ED12=.;
If H1ED13=6 then H1ED13=.;
If H1ED14=6 then H1ED14=.;
If H1ED22=3 then H1ED22=.;
IF H1WP9=3 then H1WP9=.;
IF H1WP10=3 then H1WP10=.;
IF H1WP13=3 then H1WP13=.;
IF H1WP14=3 then H1WP14=.;
If H1SE4=3 then H1SE4=.;

/*Collapsing dummy codes
If H1SE4 le 2 then H1SE4=1;
If H1SE4 ge 4 then H1SE4=2;
If H1FS4=0 then H1FS4=0;
If H1FS4 ge 1 then H1FS4=1;
If H1FS8=0 then H1FS8=0;
If H1FS8 ge 1 then H1FS8=1;
If H1FS11=0 then H1FS11=0;
If H1FS11 ge 1 then H1FS11=1;
If H1FS15=0 then H1FS15=0;
If H1FS15 ge 1 then H1FS15=1;
If H1WP9 le 2 then H1WP9=1;
If H1WP9 ge 4 then H1WP9=2;
If H1WP10 le 2 then H1WP10=1;
If H1WP10 ge 4 then H1WP10=2;
IF H1WP13 le 2 then H1WP13=1;
IF H1WP13 ge 4 then H1WP13=2;
IF H1WP14 le 2 then H1WP14=1;
IF H1WP14 ge 4 then H1WP14=2;*/
```

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The FREQ Procedure

```
/*GPA Generation*/

GPA_EST=mean (of english math history science);

/*Adding catagorical variable to get secondary varibale*/
posfeel=sum (of H1WP17A H1WP17B H1WP17C H1WP17D H1WP17E H1WP17F H1WP17G H1WP17H H1WP17I H1WP17J);
posfeel=sum (of H1WP18A H1WP18B H1WP18C H1WP18D H1WP18E H1WP18F H1WP18G H1WP18H H1WP18I H1WP18J);

/*Average or mean of catagorical variables to get secondary varibale*/
/*negfeel=mean (of)*/

/*Multiply quantitive variables to get secondary variables*/
/*drink=variable*variabele*/

/*Quantitive variable into a catagorical*/
/*recoding:if drink le 7 then drank=1 if drink ge 8 then drank=2 if drink ge 15 then drank=3 if drink ge 25 then drank=4*/


/*Collapsing a variable to yes/no if variable=0 then depressed=0 If variable ge 1 the depressed=1;*/

/*I don't think I have any change missing to legitimate skip*/

/*Ethnicity???*/

/*Composite score???*/


proc gchart; vbar H1ED11/discrete type=pct width=40;
Title 'English Grade';
proc gchart; vbar H1ED12/Discrete type=pct Width=40;
Title 'Math Grade';
proc gchart; vbar H1ED13/Discrete type=pct Width=40;
Title 'History Grade';
proc gchart; vbar H1ED14/Discrete type=pct Width=40;
Title 'Science Grade';
proc gchart; vbar H1WP9/Discrete type=pct Width=40;
Title 'How close do you feel to your mother?';
/*Histograms - Graphing Code for Histogram for Quantitative Variables*/

PROC GCHART; VBAR H1SE4;
TITLE 'How intelligent are you compared to peers?';

Proc Univariate; var H1SE4;

PROC GCHART; VBAR H1WP8;
TITLE 'Past 30 days, # Family Meals';

Proc Univariate; var H1WP8;

PROC GCHART; VBAR H1WP11;
TITLE 'Mother dissapointment without graduating from College';

Proc Univariate; var H1WP11 ;

PROC GCHART; VBAR H1WP12;
TITLE 'Mother dissapointment without graduationg from High School';
```

Happy at school?

The FREQ Procedure

```
Proc Univariate; var H1WP12;

PROC GCHART; VBAR H1ED22;
TITLE 'Happy at school?';

Proc Univariate; var H1ED22;


/*tells SAS how to sort the data by id number*/
proc sort; by AID;

/*checking secondary variables*/
/*Proc Print; var (ex)H1FS2;*/

/*tells SAS that I want frequency tables and for what variables*/
proc freq; tables sex agegroup GPA_EST posfeel
H1SE4 H/*1FS4 H1FS8 H1FS11 H1FS15 H1WP1 H1WP2 H1WP3 H1WP6 H1WP7 */H1WP8 H1WP9 H/*1WP10 */H1WP11 H1WP12
H/*1WP13 H1WP14
H1WP15 H1WP16 H1WP17A H1WP17B H1WP17C H1WP17D H1WP17E H1WP17F H1WP17G H1WP17H H1WP17I H1WP17J
H1WP18A H1WP18B H1WP18C H1WP18D
H1WP18E H1WP18F H1WP18G H1WP18H H1WP18I H1WP18J H1EE1 H1EE2 */H1ED11 H1ED12 H1ED13 H1ED14 H1ED22/*put all
variable names here*/;

/*tells SAS to analyze the data*/
run;
```