

Obs	subject	gender	exam1	exam2	hw	final	grade
1	4	F	90	86	B	88.0	P
2	7	M	85	89	A	87.0	P
3	10	M	80	84	A	82.0	P
4	14	F	88	84	C	86.0	P
5	20	M	52	55	B	53.5	F
6	25	F	94	94	A	94.0	P

The FREQ Procedure

gender	Frequency	Percent	Cumulative Frequency	Cumulative Percent
F	3	50.00	3	50.00
M	3	50.00	6	100.00

exam2	Frequency	Percent	Cumulative Frequency	Cumulative Percent
55	1	16.67	1	16.67
84	2	33.33	3	50.00
86	1	16.67	4	66.67
89	1	16.67	5	83.33
94	1	16.67	6	100.00

hw	Frequency	Percent	Cumulative Frequency	Cumulative Percent
A	3	50.00	3	50.00
B	2	33.33	5	83.33
C	1	16.67	6	100.00

grade	Frequency	Percent	Cumulative Frequency	Cumulative Percent
F	1	16.67	1	16.67
P	5	83.33	6	100.00

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
subject	6	13.33333333	7.9916623	4.0000000	25.0000000
exam1	6	81.5000000	15.2019736	52.0000000	94.0000000
exam2	6	82.0000000	13.7549991	55.0000000	94.0000000
final	6	81.7500000	14.3727172	53.5000000	94.0000000

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum	Variance
exam1	6	81.5000000	15.2019736	52.0000000	94.0000000	231.1000000
exam2	6	82.0000000	13.7549991	55.0000000	94.0000000	189.2000000
final	6	81.7500000	14.3727172	53.5000000	94.0000000	206.5750000

Coeff of Variation

Variable	Coeff of Variation
exam1	18.6527283
exam2	16.7743891
final	17.5813055

The UNIVARIATE Procedure
Variable: final

Moments

N	6	Sum Weights	6
Mean	81.75	Sum Observations	490.5
Std Deviation	14.3727172	Variance	206.575
Skewness	-2.0452416	Kurtosis	4.60983012
Uncorrected SS	41131.25	Corrected SS	1032.875
Coeff Variation	17.5813055	Std Error Mean	5.86763723

Basic Statistical Measures

Location	Variability
Mean	81.75000
Std Deviation	14.37272
Median	86.50000
Variance	206.57500
Range	40.50000
Interquartile Range	6.00000

Tests for Location: Mu0=0

Test	-Statistic-	-----p Value-----
Student's t	t 13.93235	Pr > t <.0001
Sign	M 3	Pr >= M 0.0313
Signed Rank	S 10.5	Pr >= S 0.0313

Quantiles (Definition 5)

Quantile	Estimate
100% Max	94.0
99%	94.0
95%	94.0
90%	94.0
75% Q3	88.0
50% Median	86.5
25% Q1	82.0
10%	53.5
5%	53.5
1%	53.5
0% Min	53.5

The UNIVARIATE Procedure
Variable: final

Extreme Observations

-----Lowest-----	-----Highest-----		
Value	Obs	Value	Obs
53.5	5	82	3
82.0	3	86	4
86.0	4	87	2
87.0	2	88	1
88.0	1	94	6

The UNIVARIATE Procedure
Variable: final

Moments

N	6	Sum Weights	6
Mean	81.75	Sum Observations	490.5
Std Deviation	14.3727172	Variance	206.575
Skewness	-2.0452416	Kurtosis	4.60983012
Uncorrected SS	41131.25	Corrected SS	1032.875
Coeff Variation	17.5813055	Std Error Mean	5.86763723

Basic Statistical Measures

Location	Mean	Std Deviation	14.37272
	81.75000	Variance	206.57500
	Median	86.50000	40.50000
	Mode	.	6.00000
	Range		
	Interquartile Range		

Tests for Location: Mu0=0

Test	-Statistic-	-----p Value-----
Student's t	t 13.93235	Pr > t <.0001
Sign	M 3	Pr >= M 0.0313
Signed Rank	S 10.5	Pr >= S 0.0313

Quantiles (Definition 5)

Quantile	Estimate
100% Max	94.0
99%	94.0
95%	94.0
90%	94.0
75% Q3	88.0
50% Median	86.5
25% Q1	82.0
10%	53.5
5%	53.5
1%	53.5
0% Min	53.5

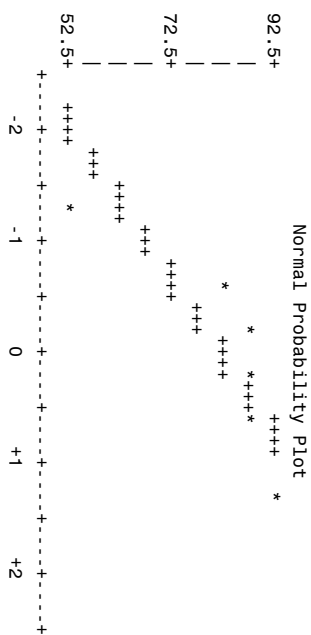
The UNIVARIATE Procedure
Variable: final

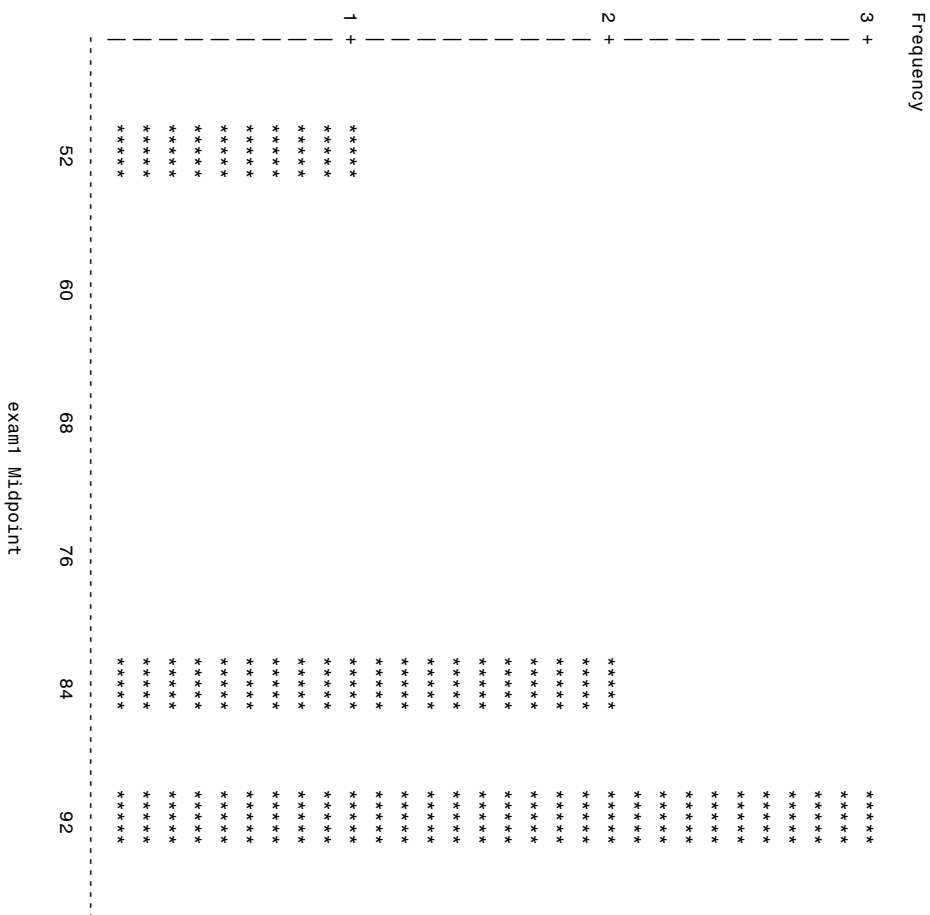
Extreme Observations

Value	Obs	Value	Obs
53.5	5	82	3
82.0	3	86	4
86.0	4	87	2
87.0	2	88	1
88.0	1	94	6

Stem	Leaf	#	Boxplot
9	4	1	
8	678	3	-----+
8	2	1	+-+---+
7			
7			
6			
6			
5			
5	4	1	*

Multiply Stem Leaf by 10**+1

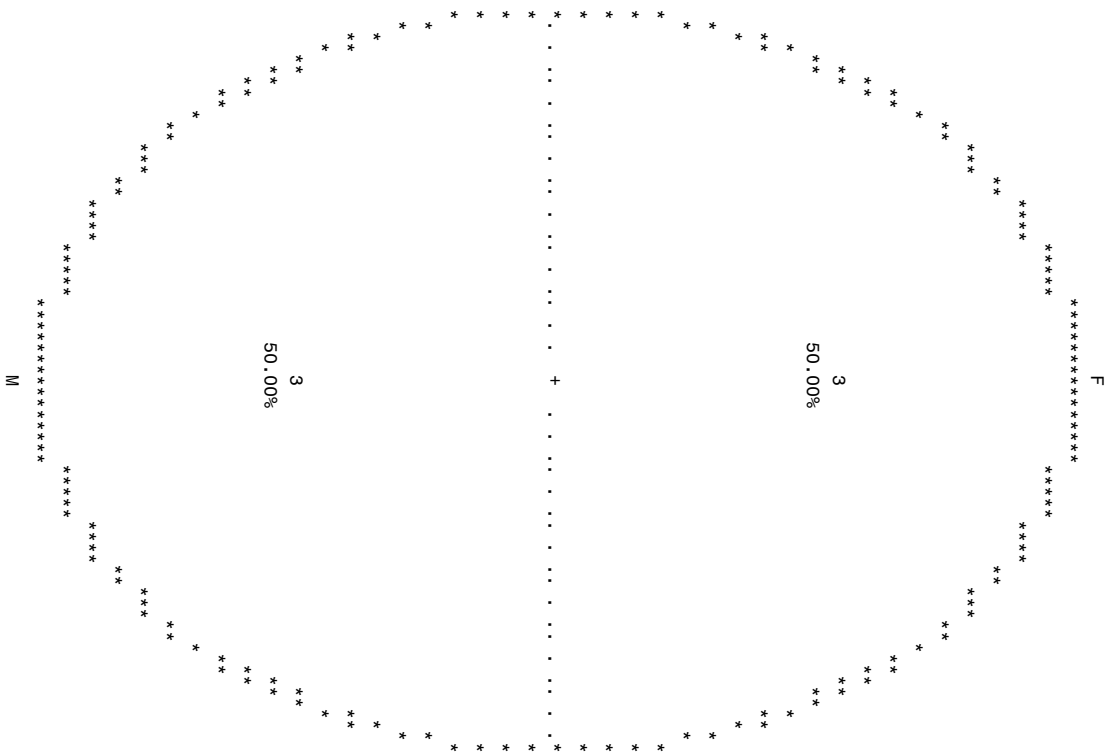




gender	grade	Freq	Cum. Freq	Percent	Cum. Percent
F	F	0	0	0.00	0.00
P	F	3	3	50.00	50.00
M	F	1	4	16.67	66.67
P	F	2	6	33.33	100.00

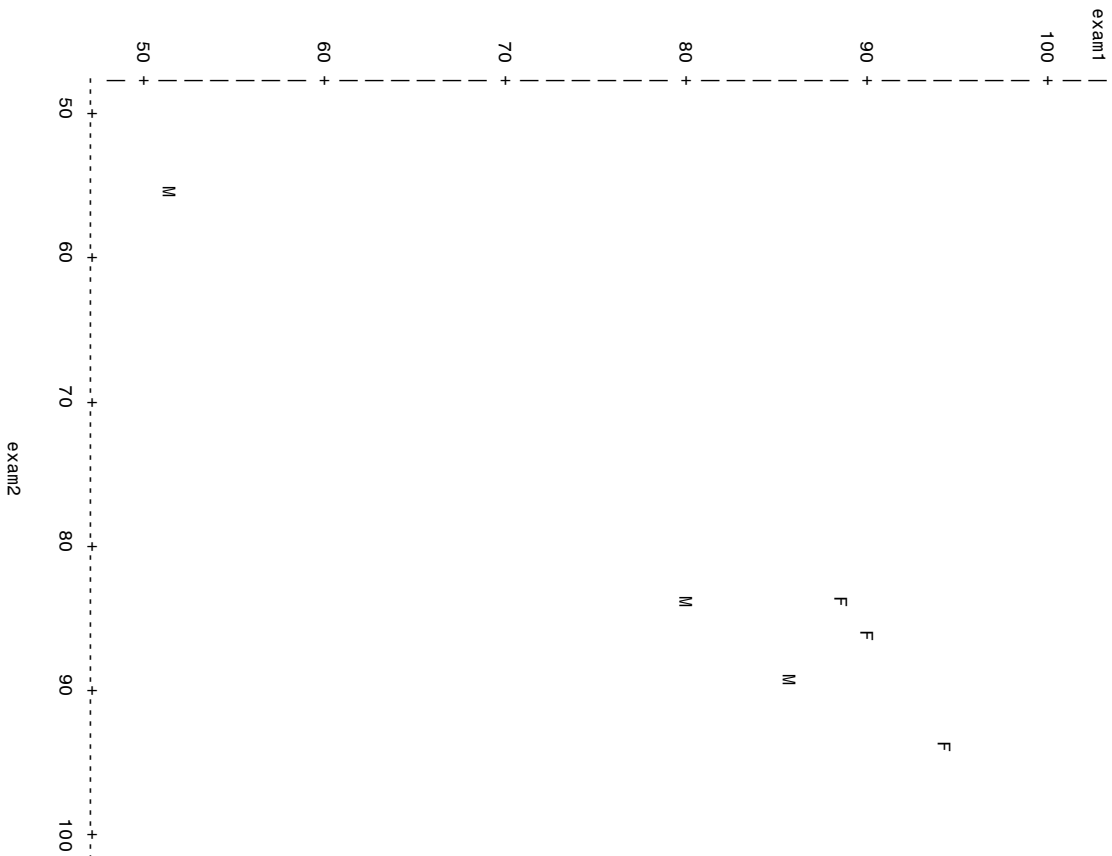
Frequency	1	2	3
1	1	2	3

Frequency of gender



PIE chart

Plot of exam1*exam2. Symbol is value of gender.



Listing of data set Stat

Obs	_TYPE_	_FREQ_	mean_e1	mean_e2	mean_	std_e1	std_e2	std_
					final			final
1	0	6	81.5	82	81.75	15.2020	13.7550	14.3727

Listing of data set Summary

Obs	subject	gender	exam1	exam2	hw	final	grade
1	4	F	90	86	B	88.0	P
2	7	M	85	89	A	87.0	P
3	10	M	80	84	A	82.0	P
4	14	F	88	84	C	86.0	P
5	20	M	52	55	B	53.5	F
6	25	F	94	94	A	94.0	P