```
FILE='C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\gss.sav'.
                                                                                                                                                                                                                 /MESTIMATORS HUBER(1.339) ANDREW(1.34) HAMPEL(1.7,3.4,8.5) TUKEY(4.685)
                                                                                                                                                                                                                                                         /PERCENTILES(5,10,25,50,75,90,95) HAVERAGE
                                                                                                                             /PLOT BOXPLOT STEMLEAF HISTOGRAM NPPLOT
                                         DATASET NAME DataSet1 WINDOW=FRONT.
                                                                                                                                                                                                                                                                                                     /STATISTICS DESCRIPTIVES EXTREME
                                                                                   EXAMINE VARIABLES=rincdol BY sex
                                                                                                                                                                                                                                                                                                                                                                                         /MISSING LISTWISE
                                                                                                                                                                     /COMPARE GROUPS
                                                                                                                                                                                                                                                                                                                                               /CINTERVAL 95
                                                                                                                                                                                                                                                                                                                                                                                                                                   /NOTOTAL.
```

Respondent's sex

Explore

Case Processing Summary

[DataSet1] C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\gss.sav

	Total	Percent	100.0%	100.0%
	Ţ	Z	649	770
Cases	Missing	Percent	30.2%	39.2%
Cas	Miss	Z	196	302
	/alid	Percent	%8'69	%8.09
	>	Z	453	468
		Respondent's sex	Male	Female
			Respondent's income;	ranges recoded to midpoints

Respondent's income;	Male	Mean		34603.75	1144.096
ranges recoded to midpoints		95% Confidence Interval for Lower Bound	Lower Bound	32355.35	
		Mean	Upper Bound	36852.16	
		5% Trimmed Mean		32621.90	
		Median		32500.00	
		Variance		592956578.8	
		Std. Deviation		24350.700	
		Minimum		200	
		Maximum		110000	
		Range		109500	
		Interquartile Range		28750	
		Skewness		1.123	.115
		Kurtosis		1.276	.229
	Female	Mean		27729.70	1078.042
		95% Confidence Interval for Lower Bound	Lower Bound	25611.29	
		Mean	Upper Bound	29848.11	
		5% Trimmed Mean		25433.76	
		Median		21250.00	
		Variance		543897874.0	
		Std. Deviation		23321.618	
		Minimum		200	
		Maximum		110000	
		Range		109500	
		Interquartile Range		26250	

Std. Error	.113	.225
Statistic	1.425	2.234
Respondent's sex	Skewness	Kurtosis

M-Estimators

lved	8	_
Andrews' Wave	29115.73	21319.61
Hampel's M- Estimator ^c	30729.17	23013.16
Tukey's Biweight ^b	29127.36	21329.01
Huber's M- Estimator ^a	30950.17	23108.98
Respondent's sex	Male	Female
		ranges recoded to midpoints

- a. The weighting constant is 1.339.
- b. The weighting constant is 4.685.
- c. The weighting constants are 1.700, 3.400, and $8.500\,$
- d. The weighting constant is 1.340*pi.

Percentiles

					Perc	Percentiles		
		Respondent's sex	5	10	25	20	75	90
Weighted Average	Respondent's income;	Male	4200.00	6500.00	16250.00	32500.00	4200.00 6500.00 16250.00 32500.00 45000.00 67500.00	67500.00
(Deliniuon I)	ranges recoded to midpoints	Female	2000.00	3500.00	11250.00	21250.00	3500.00 11250.00 21250.00 37500.00	55000.00
Tukey's Hinges	Respondent's income;	Male			16250.00	16250.00 32500.00 45000.00	45000.00	
	ranges recoded to midpoints	Female			11250.00	11250.00 21250.00 37500.00	37500.00	

Percentiles

Percentiles	Respondent's sex	e 82500.00	Female 82500.00	Φ	Female
	Re	Respondent's income; Male	ranges recoded to midpoints Fer	Respondent's income; Male	ranges recoded to midpoints Fer
		Weighted Average	(Delimiton I)	Tukey's Hinges	

Extreme Values

Value	110000	110000	110000	110000	110000 ^a	200	200	200	200	200 _p	110000	110000
Case Number	157	424	429	627	651	1362	1195	768	909	589	82	106
	_	2	က	4	5	1	2	က	4	5	1	2
ent's sex	Highest					Lowest					Highest	
Respondent's sex	Male										Female	
	Respondent's income;	ranges recoded to midpoints										

Extreme Values

Value	110000	110000	110000 ^a	200	200	200	200	200 _p
Case Number	173	184	185	1347	1298	1276	1261	1230
	3	4	5	_	2	က	4	2
Respondent's sex				Lowest				

a. Only a partial list of cases with the value 110000 are shown in the table of upper extremes.

b. Only a partial list of cases with the value 500 are shown in the table of lower extremes.

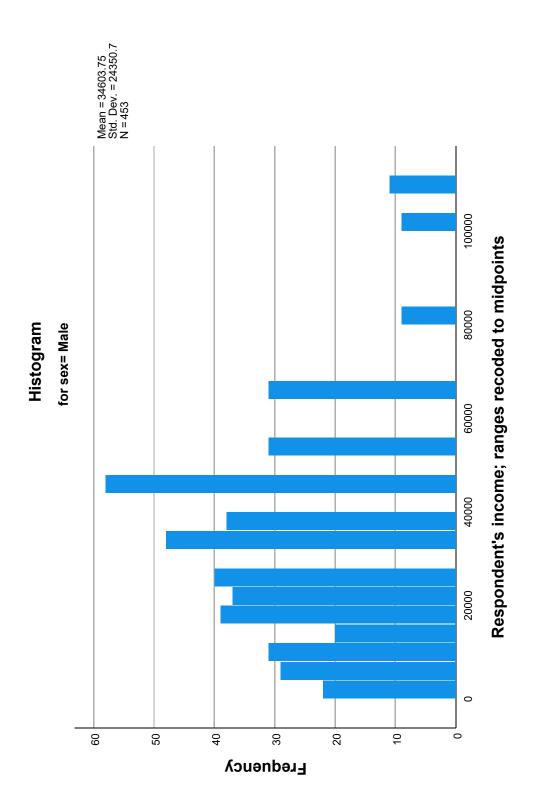
Tests of Normality

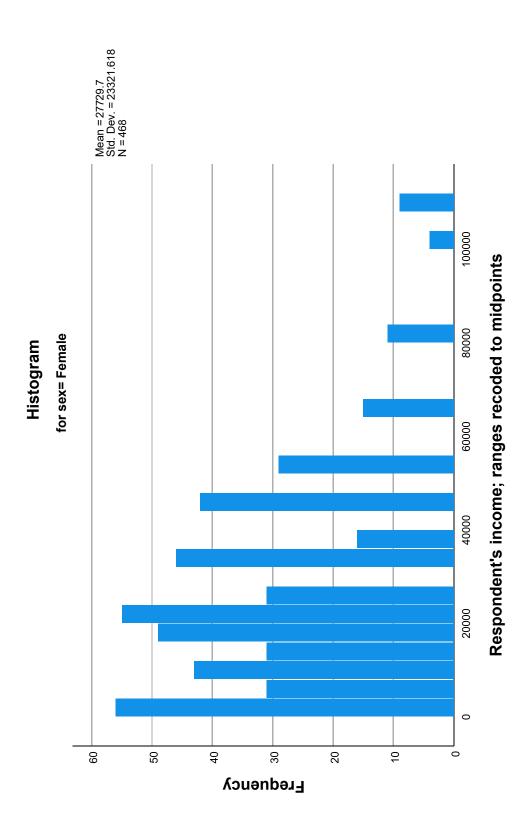
	Sig.	000	000
Shapiro-Wilk	df	453	468
	Statistic	.911	.873
nov ^a	Sig.	000	000.
olmogorov-Smirnov ^a	df	453	468
Kolm	Statistic	.134	.150
	Respondent's sex	Male	S Female
		Respondent's income;	ranges recoded to midpoints

a. Lilliefors Significance Correction

Respondent's income; ranges recoded to midpoints

Histograms





Stem-and-Leaf Plots

Respondent's income; ranges recoded to midpoints Stem-and-Leaf Plot for sex= Male

Stem & Leaf

Frequency

0000000222223333334444444444	55555555666666777779999999999999	111111111111111111113333333333333333333	966666666666888888888888888888888888888	11111111111111111111133333333333333333	$ extit{ iny CLT} ext$	222222222222222222222222222222222222222			555555555555555555555555555555555555555		55555555555555555555555555555					22222222	(>=100000)
. 0	. 0	П.	1.	2		m	m	4	4	ω		. 9	. 9	. 7	7	. ∞	Extremes
31.00	31.00	40.00	39.00	37.00	40.00	48.00	38.00	00.	58.00	00.	31.00	00.	31.00	00.	00.	9.00	20.00

Respondent's income; ranges recoded to midpoints Stem-and-Leaf Plot for

1 case(s)

10000

Stem width: Each leaf:

sex= Female

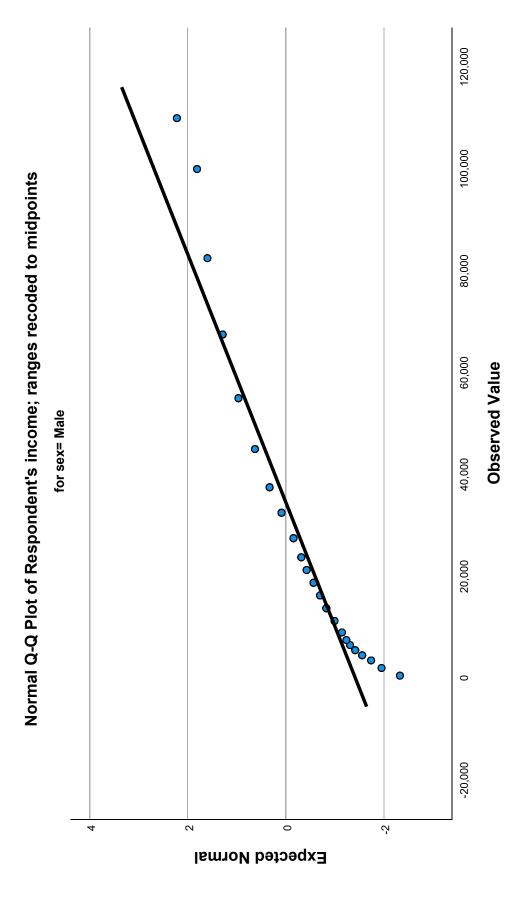
Frequency Stem & Leaf

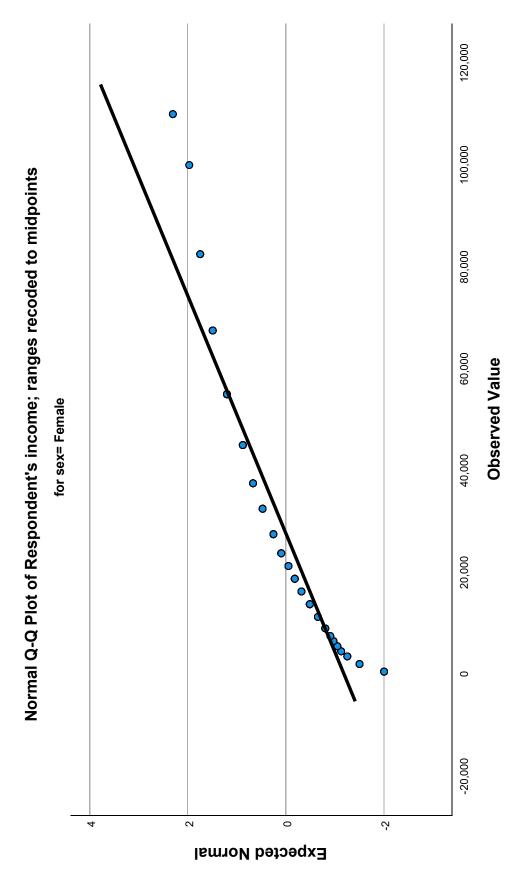
0. 00000000000000000000002222222222222333333	0 . 555555566666666677777999999999999999999	1 . 11111111111111111113333333333333333	1 . 666666666666666666666666888888888888	2 . 111111111111111111111111113333333333	2.	3 . 22222222222222222222222222222222222	3 . TTTTTTTTTTTTTTT 3	4 .	4 . 55555555555555555555555555555555555	U.	5 . 55555555555555555555555555555555	. 9	6 . TTTTTTTTTTTTT . 3	(>=82500)
U	O					(-)	(-)	7	7	Δ,	Δ,	•	•	24.00 Extremes
64.00	45.00	52.00	49.00	55.00	31.00	46.00	16.00	00.	42.00	00.	29.00	00.	15.00	24.00

Normal Q-Q Plots

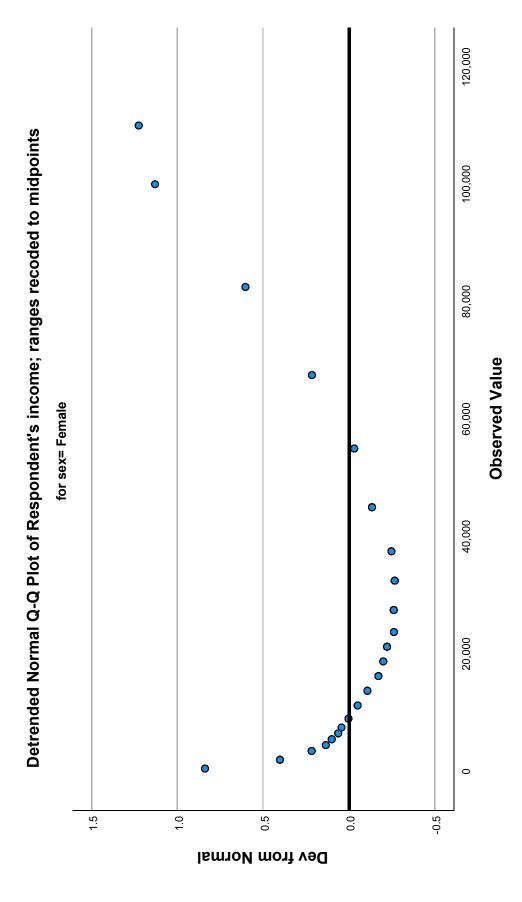
10000 1 case(s)

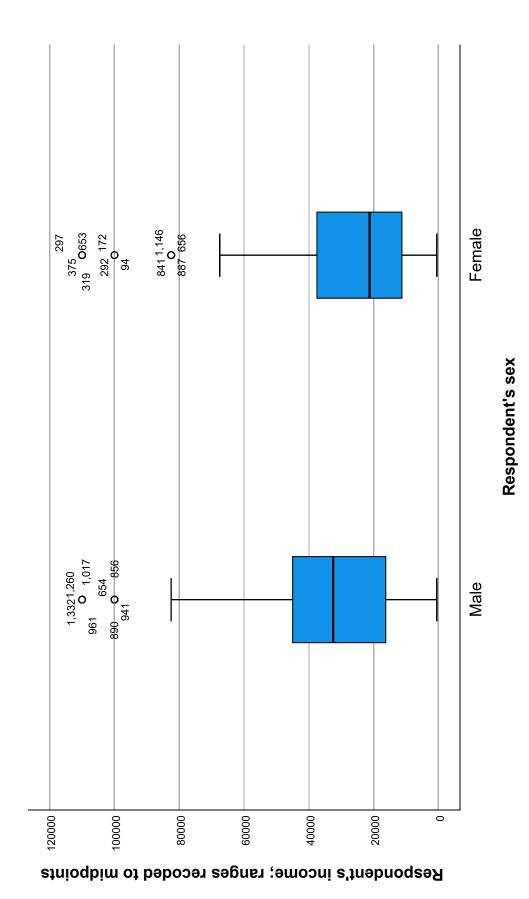
Stem width: Each leaf:





120,000 0 Detrended Normal Q-Q Plot of Respondent's income; ranges recoded to midpoints 100,000 0 0 80,000 **Observed Value** 0 000'09 for sex= Male 0 40,000 0 0 20,000 0 0 0 0.1 0.0 Dev from Normal





EXAMINE VARIABLES=rincdol BY sex
/PLOT BOXPLOT STEMLEAF HISTOGRAM NPPLOT
/COMPARE VARIABLES
/MESTIMATORS HUBER(1.339) ANDREW(1.34) HAMPEL(1.7,3.4,8.5) TUKEY(4.685)
/PERCENTILES(5,10,25,50,75,90,95) HAVERAGE
/STATISTICS DESCRIPTIVES EXTREME
/CINTERVAL 95
/MISSING LISTWISE
/NOTOTAL.

Explore

Respondent's sex

Case Processing Summary

	Total	Percent	100.0%	100.0%
	D.	Z	649	770
ases	Missing	Percent	30.2%	39.2%
Cas	Miss	Z	196	302
	/alid	Percent	%8.69	%8.09
	N .	Z	453	468
		Respondent's sex	Male	Female
				ranges recoded to midpoints

Respondent's income; Male ranges recoded to midpoints	Mean 95% Confidence Interval for Lower Bound			
es recoded to midpoints	95% Confidence Interval for		34603.75	1144.096
	2	Lower Bound	32355.35	
	Meall	Upper Bound	36852.16	
	5% Trimmed Mean		32621.90	
	Median		32500.00	
	Variance		592956578.8	
	Std. Deviation		24350.700	
	Minimum		200	
	Maximum		110000	
	Range		109500	
	Interquartile Range		28750	
	Skewness		1.123	.115
	Kurtosis		1.276	.229
Female	Mean		27729.70	1078.042
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	Median		21250.00	
	Variance		543897874.0	
	Std. Deviation		23321.618	
	Minimum		200	
	Maximum		110000	
	Range		109500	
	Interquartile Range		26250	

Std. Error	.113	.225
Statistic	1.425	2.234
Respondent's sex	Skewness	Kurtosis

M-Estimators

aved	3	<u></u>
Andrews' Waved	29115.73	21319.61
Hampel's M- Estimator ^c	30729.17	23013.16
Tukey's Biweight ^b	29127.36	21329.01
Huber's M- Estimator ^a	30950.17	23108.98
Respondent's sex	Male	Female
	Respondent's income;	ranges recoded to midpoints

- a. The weighting constant is 1.339.
- b. The weighting constant is 4.685.
- c. The weighting constants are 1.700, 3.400, and $8.500\,$
- d. The weighting constant is 1.340*pi.

Percentiles

				Perc	Percentiles		
Respo	Respondent's sex	5	10	25	20	75	06
Respondent's income; Male		4200.00	6500.00	16250.00	32500.00	4200.00 6500.00 16250.00 32500.00 45000.00 67500.00	67500.00
ranges recoded to midpoints Female	Φ	2000.00	3500.00	11250.00	21250.00	3500.00 11250.00 21250.00 37500.00 55000.00	55000.00
Respondent's income; Male				16250.00	16250.00 32500.00 45000.00	45000.00	
ranges recoded to midpoints Female	le			11250.00	11250.00 21250.00 37500.00	37500.00	

Percentiles

omooni suma promooni
respondents modifie, ranges recoded to midpoints
Respondent's income;
ranges recoded to midpoints

Extreme Values

r Value	110000	110000	110000	110000	1 110000 ^a	500	5 500	2009	5 500	200 _p	110000	3 110000
Case Number	157	424	429	627	651	1362	1195	897	605	289	82	106
	1	2	က	4	5	_	2	က	4	5	_	2
Respondent's sex	Highest					Lowest					Highest	
Respond	Male										Female	
	Respondent's income;	ranges recoded to midpoints										

Extreme Values

Value	110000	110000	110000 ^a	200	200	200	200	200 _p
Case Number	173	184	185	1347	1298	1276	1261	1230
	3	4	5	_	2	က	4	2
Respondent's sex				Lowest				

a. Only a partial list of cases with the value 110000 are shown in the table of upper extremes.

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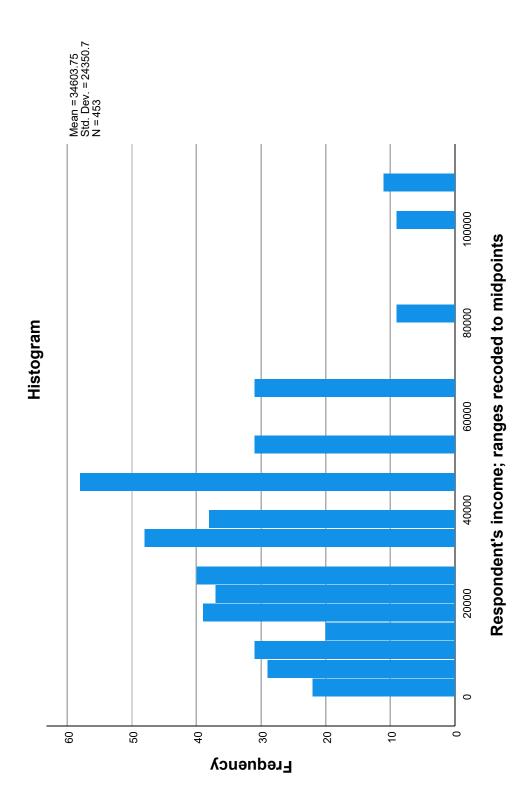
Tests of Normality

*	Sig.	000.	000.
Shapiro-Will	df	453	468
	Statistic	.911	.873
nov ^a	Sig.	000	000
Imogorov-Smimo	df	453	468
Kolm	Statistic	.134	.150
	Respondent's sex	s income; Male	ded to midpoints Female
		Respondent's inco	ranges recoded to m

a. Lilliefors Significance Correction

Respondent's sex = Male

Histograms



Stem-and-Leaf Plots

Respondent's income; ranges recoded to midpoints Stem-and-Leaf Plot for $\ensuremath{\mathsf{sex}} = \ensuremath{\mathsf{Male}}$

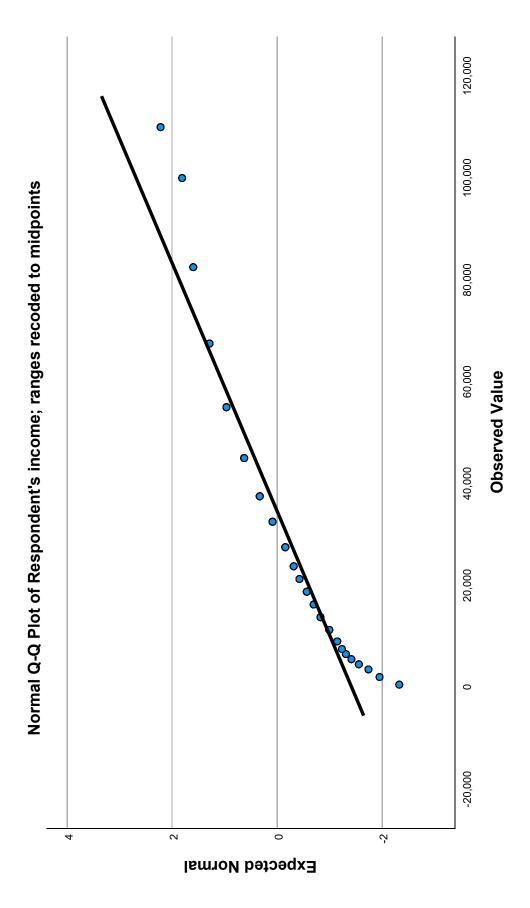
Leaf	000000002222233333334444444444	5555555666666777779999999999999	111111111111111111133333333333333333333	966666666666666666666666666666666666666	11111111111111111111333333333333333333	au	222222222222222222222222222222222222222	au		555555555555555555555555555555555555555		5555555555555555555555555555555					2222222	(>=100000)
w H							m	m	4.	4				. 9	. 7	. 7		Ø
/ Stem	J				. 1	. 1	. ,	. /	,	,	-7	-7			•	•		20.00 Extremes
Frequency	31.00	31.00	40.00	39.00	37.00	40.00	48.00	38.00	00.	58.00	00.	31.00	00.	31.00	00.	00.	00.6	20.00

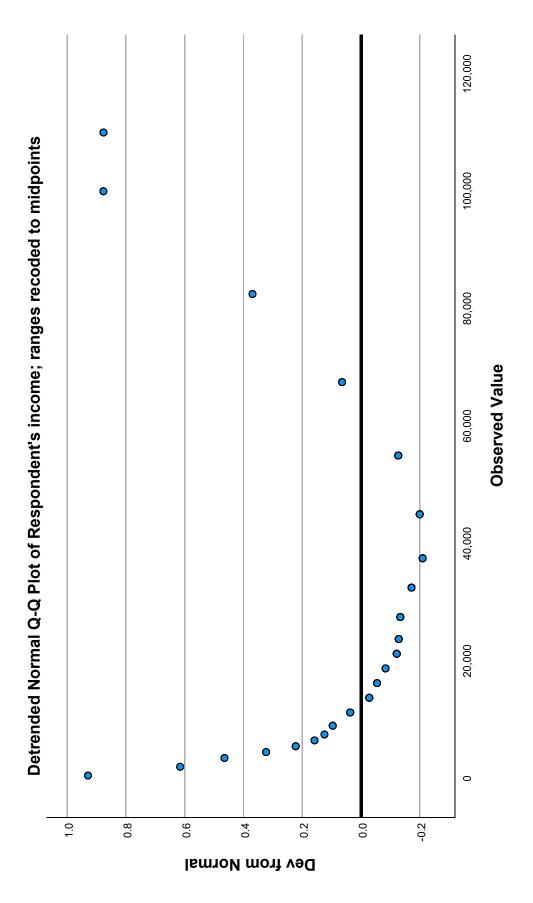
Normal Q-Q Plots

1 case(s)

10000

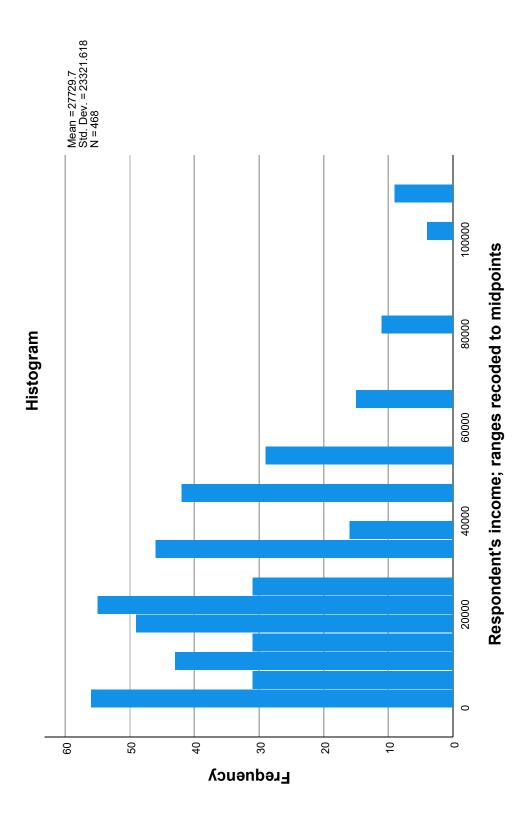
Stem width:
Each leaf:





Respondent's sex = Female

Histograms



Stem-and-Leaf Plots

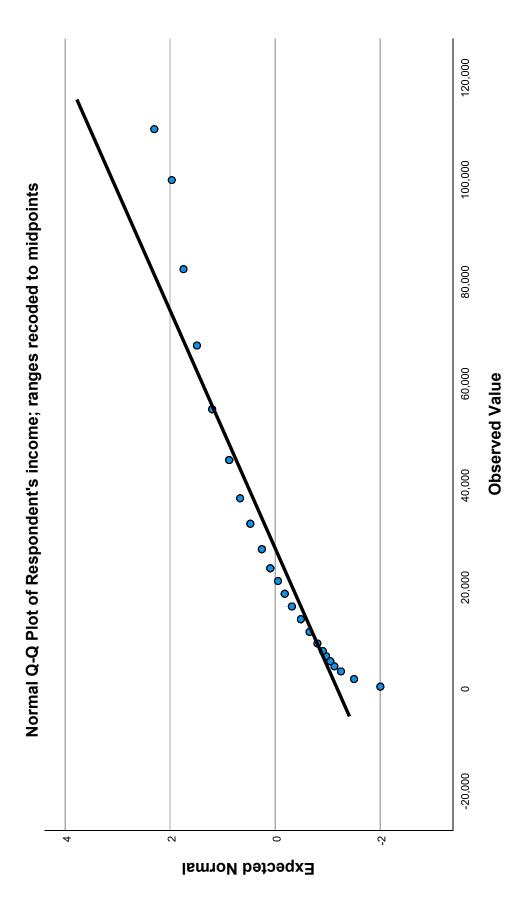
Respondent's income; ranges recoded to midpoints Stem-and-Leaf Plot for sex= Female

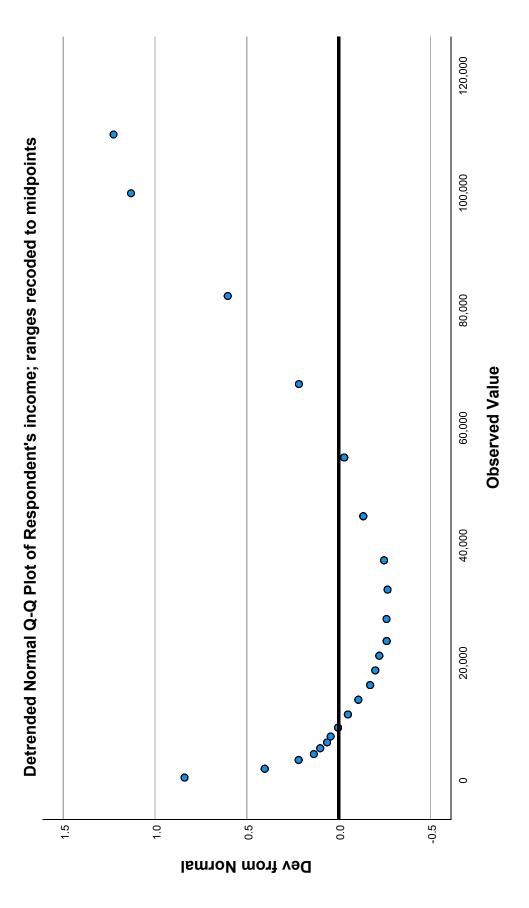
Leaf	000000000000000000000022222222222222222	555555566666666677777999999999999999999	111111111111111111113333333333333333333	999999998888888888888888888888888888888	1111111111111111111111111133333333333	au	222222222222222222222222222222222222222			555555555555555555555555555555555555555		555555555555555555555555555555			(>=82500)
Stem &	0	. 0	ч.	ч.			m	m	4	4	5		. 9	. 9	24.00 Extremes
Frequency	64.00	45.00	52.00	49.00	55.00	31.00	46.00	16.00	00.	42.00	00.	29.00	00.	15.00	24.00 E

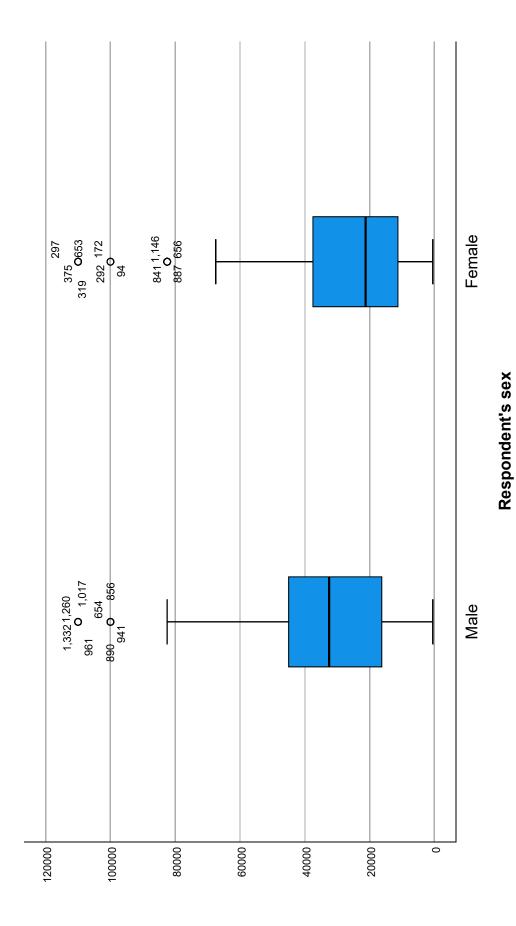
Normal Q-Q Plots

10000 1 case(s)

Stem width: Each leaf:







DESCRIPTIVES VARIABLES=sex rincdol

/STATISTICS=MEAN STDDEV VARIANCE RANGE MIN MAX SEMEAN KURTOSIS SKEWNESS.

Descriptives

Descriptive Statistics

	z	Range	Minimum	Maximum	Me	Mean	Std. Deviation	Variance	Skewness
	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic Std. Error	Statistic	Statistic	Statistic
Respondent's sex	1419	_	_	2	1.54	.013	.498	.248	171
Respondent's income; ranges recoded to midpoints	921	109500	200	110000	31110.75	793.043	24067.245	579232286.5	1.245
Valid N (listwise)	921								

Descriptive Statistics

	Skewness	Kur	Kurtosis
	Std. Error	Statistic	Std. Error
Respondent's sex	900.	-1.973	.130
Respondent's income; ranges recoded to midpoints	.081	1.607	.161
Valid N (listwise)			