```
GET
  FILE='C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\gss.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
EXAMINE VARIABLES=rincdol BY sex
  /PLOT BOXPLOT STEMLEAF HISTOGRAM NPPLOT
  /COMPARE GROUPS
  /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

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

## Respondent's sex

### Case Processing Summary

| | | Cases | | | | | |
|---|---|---|---|---|---|---|---|
| | | Valid | | Missing | | Total | |
| | Respondent's sex | N | Percent | N | Percent | N | Percent |
| Respondent's income; ranges recoded to midpoints | Male | 453 | 69.8% | 196 | 30.2% | 649 | 100.0% |
| | Female | 468 | 60.8% | 302 | 39.2% | 770 | 100.0% |

## Descriptives

| | Respondent's sex | | | Statistic | Std. Error |
|---|---|---|---|---|---|
| Respondent's income; ranges recoded to midpoints | Male | Mean | | 34603.75 | 1144.096 |
| | | 95% Confidence Interval for Mean | Lower Bound | 32355.35 | |
| | | | Upper Bound | 36852.16 | |
| | | 5% Trimmed Mean | | 32621.90 | |
| | | Median | | 32500.00 | |
| | | Variance | | 592956578.8 | |
| | | Std. Deviation | | 24350.700 | |
| | | Minimum | | 500 | |
| | | 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 Mean | Lower Bound | 25611.29 | |
| | | | Upper Bound | 29848.11 | |
| | | 5% Trimmed Mean | | 25433.76 | |
| | | Median | | 21250.00 | |
| | | Variance | | 543897874.0 | |
| | | Std. Deviation | | 23321.618 | |
| | | Minimum | | 500 | |
| | | Maximum | | 110000 | |
| | | Range | | 109500 | |
| | | Interquartile Range | | 26250 | |

## Descriptives

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

## M-Estimators

| | Respondent's sex | Huber's M-Estimator[a] | Tukey's Biweight[b] | Hampel's M-Estimator[c] | Andrews' Wave[d] |
|---|---|---|---|---|---|
| Respondent's income; ranges recoded to midpoints | Male | 30950.17 | 29127.36 | 30729.17 | 29115.73 |
| | Female | 23108.98 | 21329.01 | 23013.16 | 21319.61 |

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

| | | | Percentiles | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Respondent's sex | 5 | 10 | 25 | 50 | 75 | 90 |
| Weighted Average (Definition 1) | Respondent's income; ranges recoded to midpoints | Male | 4200.00 | 6500.00 | 16250.00 | 32500.00 | 45000.00 | 67500.00 |
| | | Female | 2000.00 | 3500.00 | 11250.00 | 21250.00 | 37500.00 | 55000.00 |
| Tukey's Hinges | Respondent's income; ranges recoded to midpoints | Male | | | 16250.00 | 32500.00 | 45000.00 | |
| | | Female | | | 11250.00 | 21250.00 | 37500.00 | |

## Percentiles

| | | | Percentiles |
|---|---|---|---|
| | | Respondent's sex | 95 |
| Weighted Average (Definition 1) | Respondent's income; ranges recoded to midpoints | Male | 82500.00 |
| | | Female | 82500.00 |
| Tukey's Hinges | Respondent's income; ranges recoded to midpoints | Male | |
| | | Female | |

## Extreme Values

| | Respondent's sex | | | Case Number | Value |
|---|---|---|---|---|---|
| Respondent's income; ranges recoded to midpoints | Male | Highest | 1 | 157 | 110000 |
| | | | 2 | 424 | 110000 |
| | | | 3 | 429 | 110000 |
| | | | 4 | 627 | 110000 |
| | | | 5 | 651 | 110000[a] |
| | | Lowest | 1 | 1362 | 500 |
| | | | 2 | 1195 | 500 |
| | | | 3 | 897 | 500 |
| | | | 4 | 605 | 500 |
| | | | 5 | 589 | 500[b] |
| | Female | Highest | 1 | 82 | 110000 |
| | | | 2 | 106 | 110000 |

## Extreme Values

| Respondent's sex | | | Case Number | Value |
|---|---|---|---|---|
| | | 3 | 173 | 110000 |
| | | 4 | 184 | 110000 |
| | | 5 | 185 | 110000[a] |
| | Lowest | 1 | 1347 | 500 |
| | | 2 | 1298 | 500 |
| | | 3 | 1276 | 500 |
| | | 4 | 1261 | 500 |
| | | 5 | 1230 | 500[b] |

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.

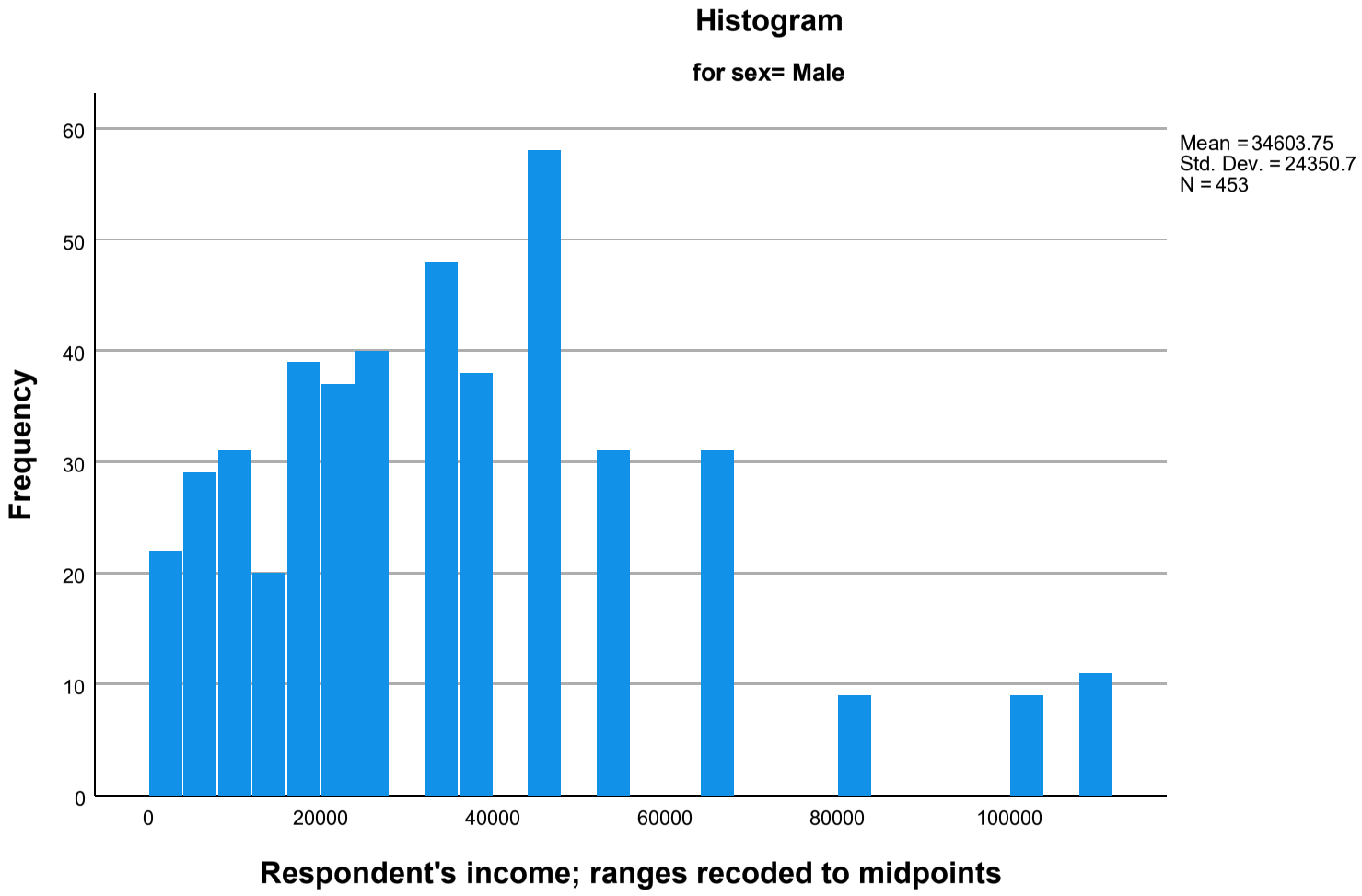
## Tests of Normality

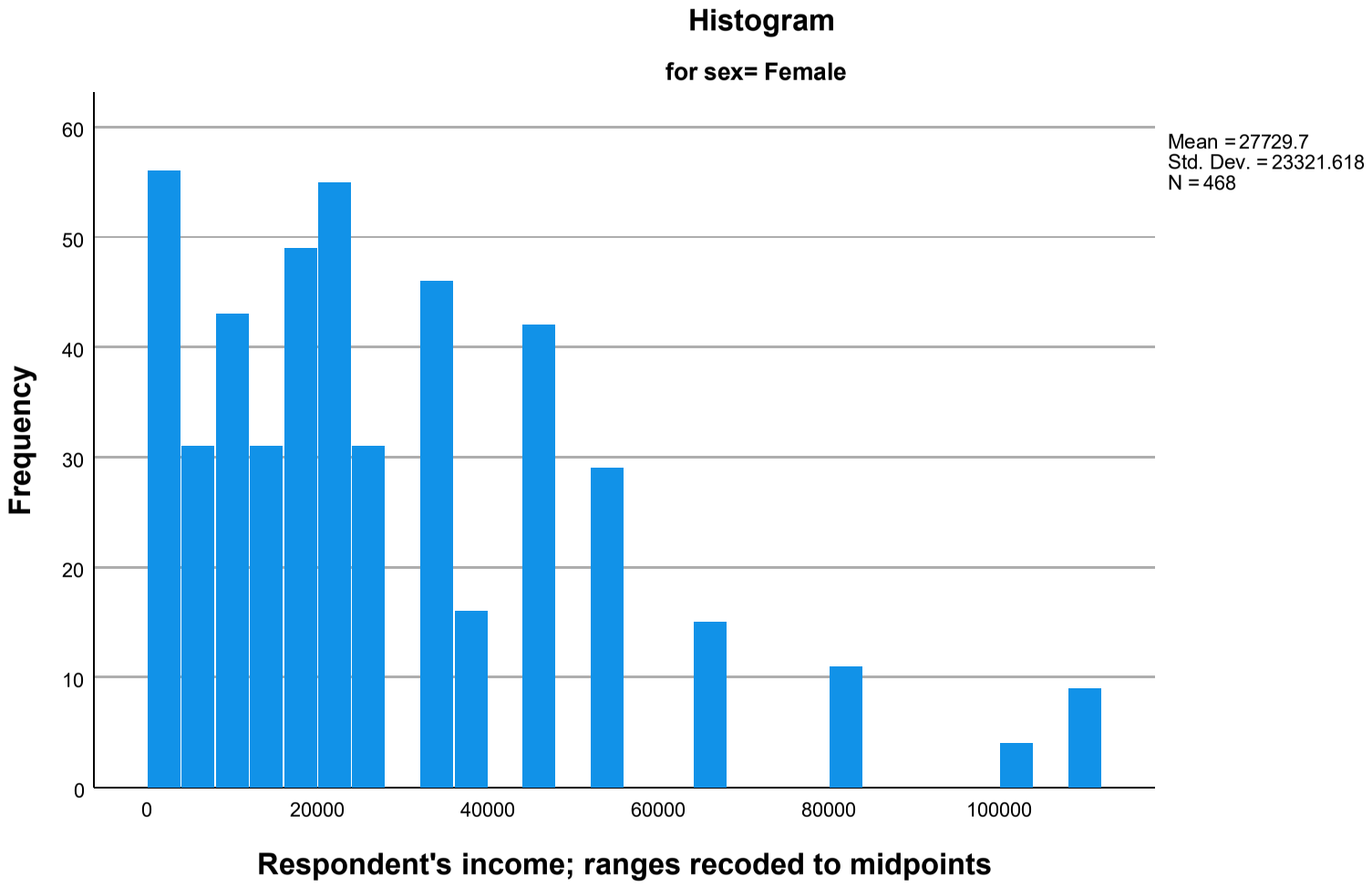
| | | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | Respondent's sex | Statistic | df | Sig. | Statistic | df | Sig. |
| Respondent's income; ranges recoded to midpoints | Male | .134 | 453 | .000 | .911 | 453 | .000 |
| | Female | .150 | 468 | .000 | .873 | 468 | .000 |

a. Lilliefors Significance Correction

**Respondent's income; ranges recoded to midpoints**

**Histograms**


Histogram
for sex= Male
Mean = 34603.75
Std. Dev. = 24350.7
N = 453
Frequency
60
50
40
30
20
10
0
0
20000
40000
60000
80000
100000
Respondent's income; ranges recoded to midpoints

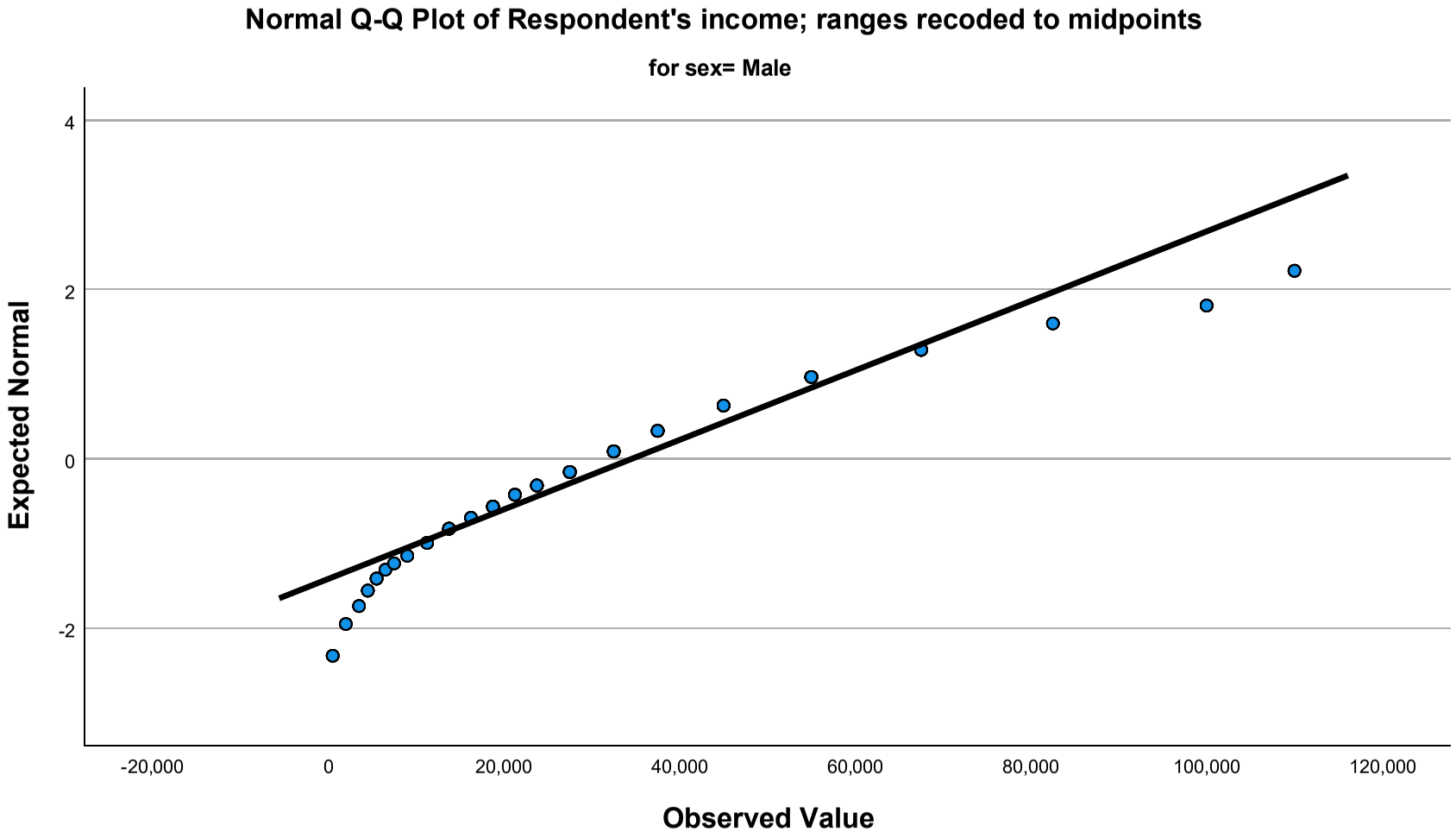

Histogram
for sex= Female
Mean = 27729.7
Std. Dev. = 23321.618
N = 468
Frequency
60
50
40
30
20
10
0
0
20000
40000
60000
80000
100000
Respondent's income; ranges recoded to midpoints

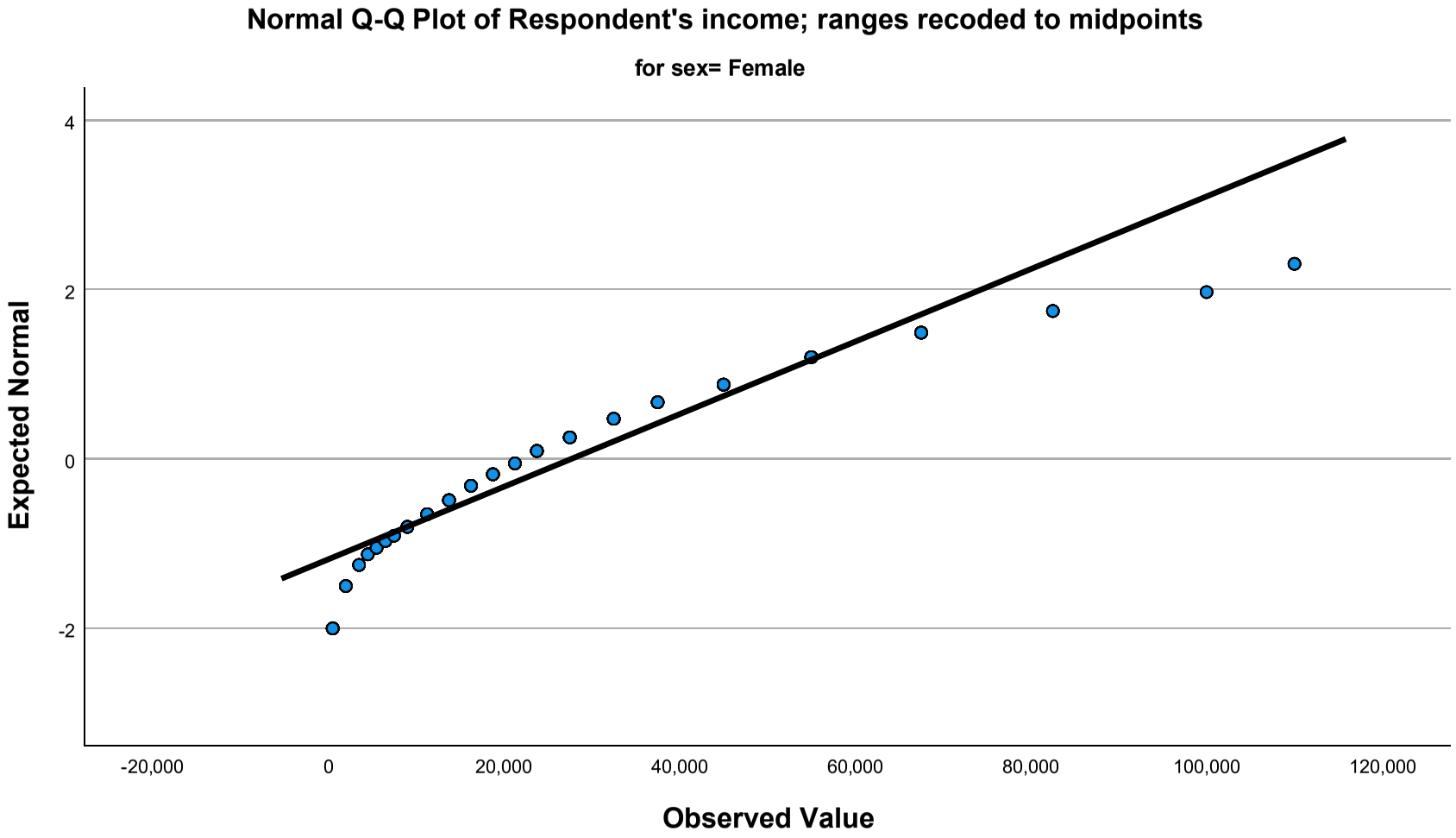
## Stem-and-Leaf Plots

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

 Frequency    Stem &  Leaf

    31.00        0 .  00000000222222333333333444444444
    31.00        0 .  55555555666666677777999999999999
    40.00        1 .  1111111111111111111133333333333333333333
    39.00        1 .  666666666666666888888888888888888888888888
    37.00        2 .  11111111111111111111333333333333333333
    40.00        2 .  77777777777777777777777777777777777777
    48.00        3 .  222222222222222222222222222222222222222222222222
    38.00        3 .  77777777777777777777777777777777777777
      .00        4 .
    58.00        4 .  55555555555555555555555555555555555555555555555555555555555555
      .00        5 .
    31.00        5 .  5555555555555555555555555555
      .00        6 .
    31.00        6 .  7777777777777777777777777777
      .00        7 .
      .00        7 .
     9.00        8 .  222222222
    20.00 Extremes    (>=100000)

 Stem width:     10000
 Each leaf:        1 case(s)



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

 Frequency    Stem &  Leaf
```

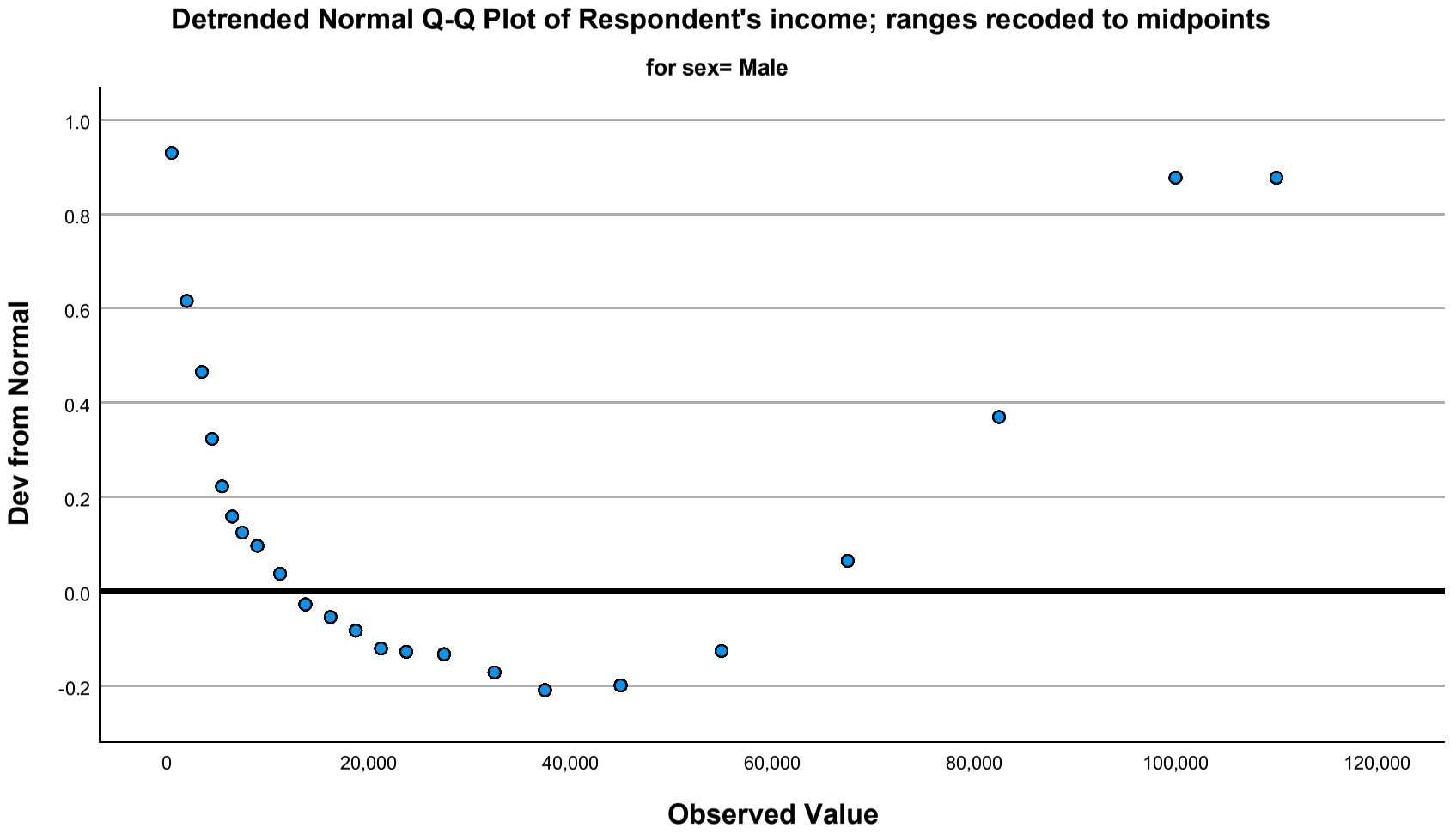
```
   64.00        0 .  00000000000000000002222222222222222222233333333333333344444444
   45.00        0 .  555555556666666666777779999999999999999999999
   52.00        1 .  1111111111111111111133333333333333333333333333333333
   49.00        1 .  66666666666666666666666666688888888888888888888
   55.00        2 .  11111111111111111111111113333333333333333333333333333
   31.00        2 .  7777777777777777777777777777
   46.00        3 .  22222222222222222222222222222222222222222222222
   16.00        3 .  7777777777777777
     .00        4 .
   42.00        4 .  55555555555555555555555555555555555555555555
     .00        5 .
   29.00        5 .  55555555555555555555555555555
     .00        6 .
   15.00        6 .  777777777777777
   24.00 Extremes    (>=82500)

 Stem width:     10000
 Each leaf:        1 case(s)
```

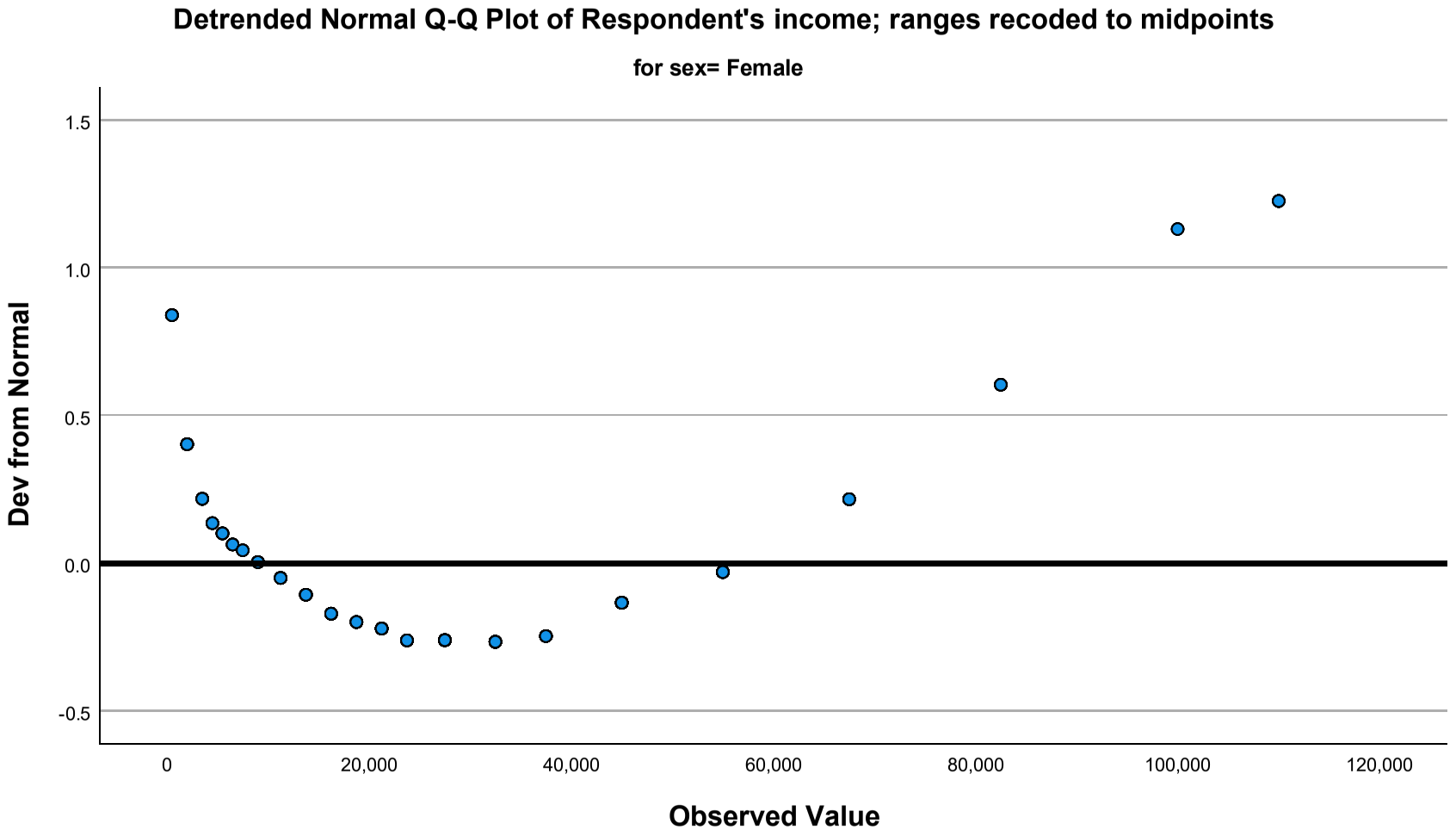
**Normal Q-Q Plots**

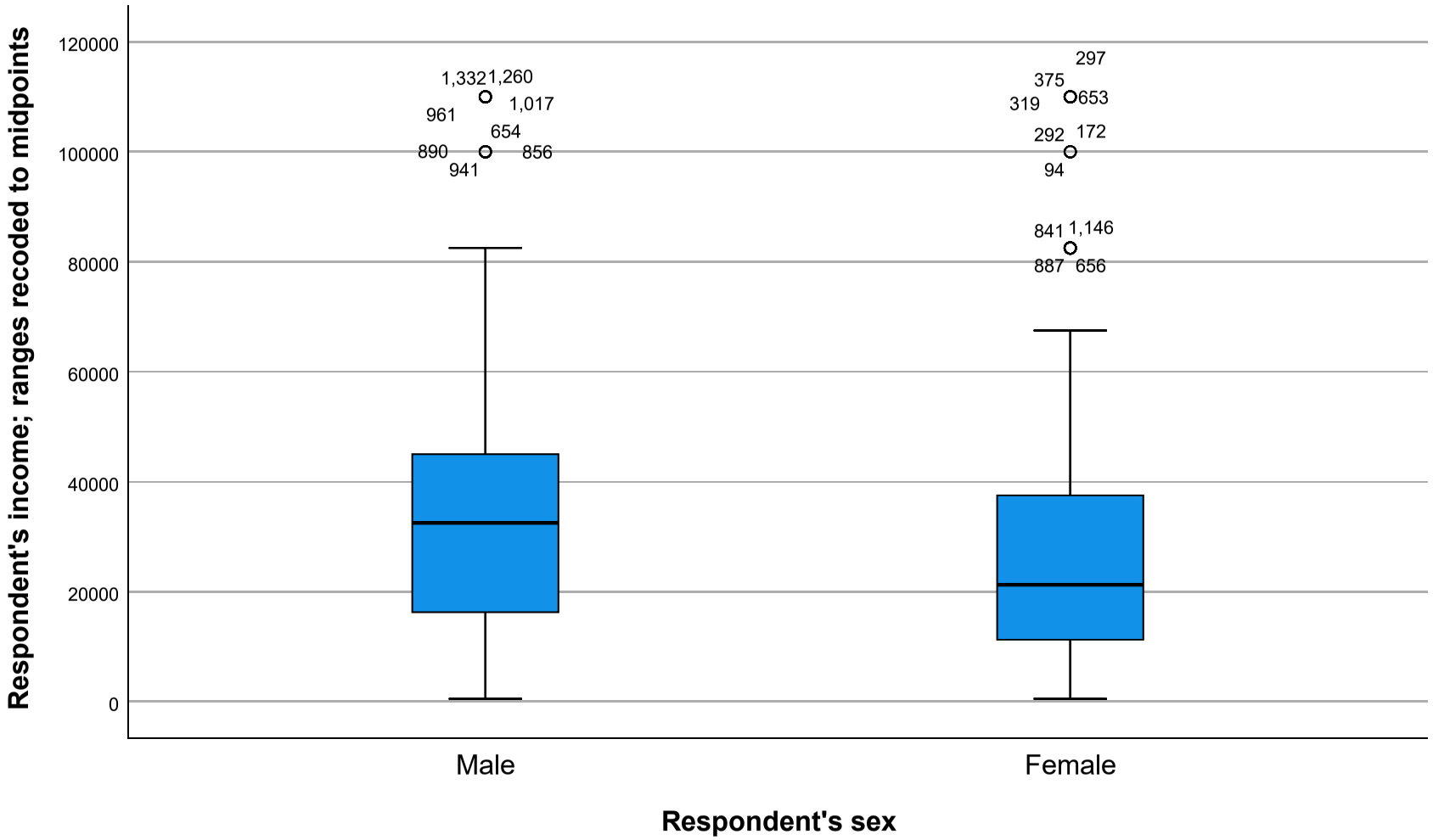

Normal Q-Q Plot of Respondent's income; ranges recoded to midpoints
for sex= Male
Expected Normal
4
2
0
-2
-20,000
0
20,000
40,000
60,000
80,000
100,000
120,000
Observed Value


Normal Q-Q Plot of Respondent's income; ranges recoded to midpoints
for sex= Female
Expected Normal
4
2
0
-2
-20,000
0
20,000
40,000
60,000
80,000
100,000
120,000
Observed Value

**Detrended Normal Q-Q Plots**


Detrended Normal Q-Q Plot of Respondent's income; ranges recoded to midpoints
for sex= Male
Dev from Normal
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
0
20,000
40,000
60,000
80,000
100,000
120,000
Observed Value


Detrended Normal Q-Q Plot of Respondent's income; ranges recoded to midpoints
for sex= Female
Dev from Normal
1.5
1.0
0.5
0.0
-0.5
0
20,000
40,000
60,000
80,000
100,000
120,000
Observed Value


Respondent's income; ranges recoded to midpoints
120000
100000
80000
60000
40000
20000
0
1,332
1,260
1,017
961
654
890
856
941
297
375
319
653
292
172
94
841
1,146
887
656
Male
Female
Respondent's sex

```
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

| | | Cases | | | | | |
|---|---|---|---|---|---|---|---|
| | | Valid | | Missing | | Total | |
| | Respondent's sex | N | Percent | N | Percent | N | Percent |
| Respondent's income; ranges recoded to midpoints | Male | 453 | 69.8% | 196 | 30.2% | 649 | 100.0% |
| | Female | 468 | 60.8% | 302 | 39.2% | 770 | 100.0% |

## Descriptives

| | Respondent's sex | | | Statistic | Std. Error |
|---|---|---|---|---|---|
| Respondent's income; ranges recoded to midpoints | Male | Mean | | 34603.75 | 1144.096 |
| | | 95% Confidence Interval for Mean | Lower Bound | 32355.35 | |
| | | | Upper Bound | 36852.16 | |
| | | 5% Trimmed Mean | | 32621.90 | |
| | | Median | | 32500.00 | |
| | | Variance | | 592956578.8 | |
| | | Std. Deviation | | 24350.700 | |
| | | Minimum | | 500 | |
| | | 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 Mean | Lower Bound | 25611.29 | |
| | | | Upper Bound | 29848.11 | |
| | | 5% Trimmed Mean | | 25433.76 | |
| | | Median | | 21250.00 | |
| | | Variance | | 543897874.0 | |
| | | Std. Deviation | | 23321.618 | |
| | | Minimum | | 500 | |
| | | Maximum | | 110000 | |
| | | Range | | 109500 | |
| | | Interquartile Range | | 26250 | |

## Descriptives

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

## M-Estimators

| | Respondent's sex | Huber's M-Estimator[a] | Tukey's Biweight[b] | Hampel's M-Estimator[c] | Andrews' Wave[d] |
|---|---|---|---|---|---|
| Respondent's income; ranges recoded to midpoints | Male | 30950.17 | 29127.36 | 30729.17 | 29115.73 |
| | Female | 23108.98 | 21329.01 | 23013.16 | 21319.61 |

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

| | | | Percentiles | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Respondent's sex | 5 | 10 | 25 | 50 | 75 | 90 |
| Weighted Average (Definition 1) | Respondent's income; ranges recoded to midpoints | Male | 4200.00 | 6500.00 | 16250.00 | 32500.00 | 45000.00 | 67500.00 |
| | | Female | 2000.00 | 3500.00 | 11250.00 | 21250.00 | 37500.00 | 55000.00 |
| Tukey's Hinges | Respondent's income; ranges recoded to midpoints | Male | | | 16250.00 | 32500.00 | 45000.00 | |
| | | Female | | | 11250.00 | 21250.00 | 37500.00 | |

## Percentiles

| | | | Percentiles |
|---|---|---|---|
| | | Respondent's sex | 95 |
| Weighted Average (Definition 1) | Respondent's income; ranges recoded to midpoints | Male | 82500.00 |
| | | Female | 82500.00 |
| Tukey's Hinges | Respondent's income; ranges recoded to midpoints | Male | |
| | | Female | |

## Extreme Values

| | Respondent's sex | | | Case Number | Value |
|---|---|---|---|---|---|
| Respondent's income; ranges recoded to midpoints | Male | Highest | 1 | 157 | 110000 |
| | | | 2 | 424 | 110000 |
| | | | 3 | 429 | 110000 |
| | | | 4 | 627 | 110000 |
| | | | 5 | 651 | 110000[a] |
| | | Lowest | 1 | 1362 | 500 |
| | | | 2 | 1195 | 500 |
| | | | 3 | 897 | 500 |
| | | | 4 | 605 | 500 |
| | | | 5 | 589 | 500[b] |
| | Female | Highest | 1 | 82 | 110000 |
| | | | 2 | 106 | 110000 |

## Extreme Values

| Respondent's sex | | | Case Number | Value |
|---|---|---|---|---|
| | | 3 | 173 | 110000 |
| | | 4 | 184 | 110000 |
| | | 5 | 185 | 110000[a] |
| | Lowest | 1 | 1347 | 500 |
| | | 2 | 1298 | 500 |
| | | 3 | 1276 | 500 |
| | | 4 | 1261 | 500 |
| | | 5 | 1230 | 500[b] |

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.

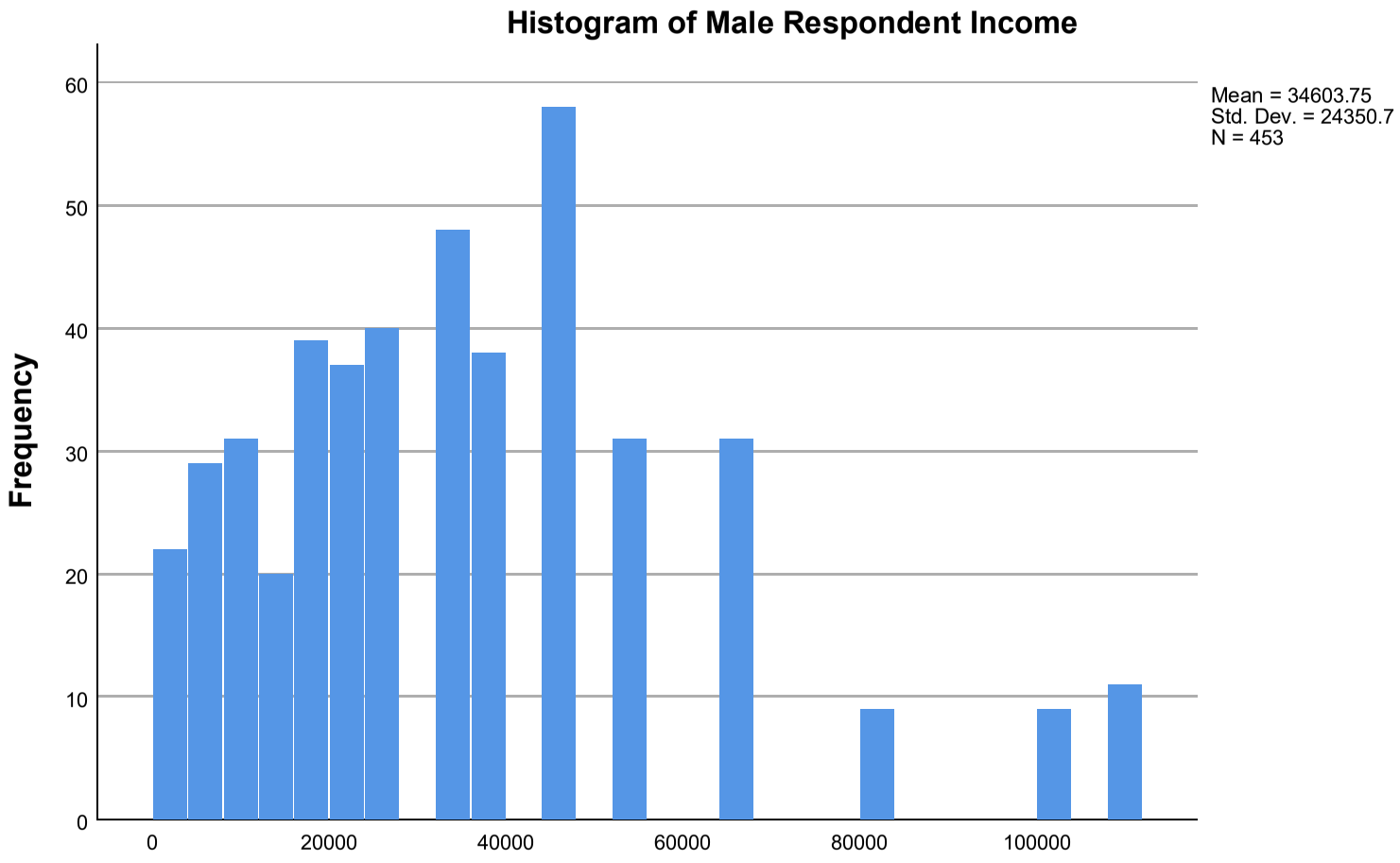
## Tests of Normality

| | | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | Respondent's sex | Statistic | df | Sig. | Statistic | df | Sig. |
| Respondent's income; ranges recoded to midpoints | Male | .134 | 453 | .000 | .911 | 453 | .000 |
| | Female | .150 | 468 | .000 | .873 | 468 | .000 |

a. Lilliefors Significance Correction

**Respondent's sex = Male**

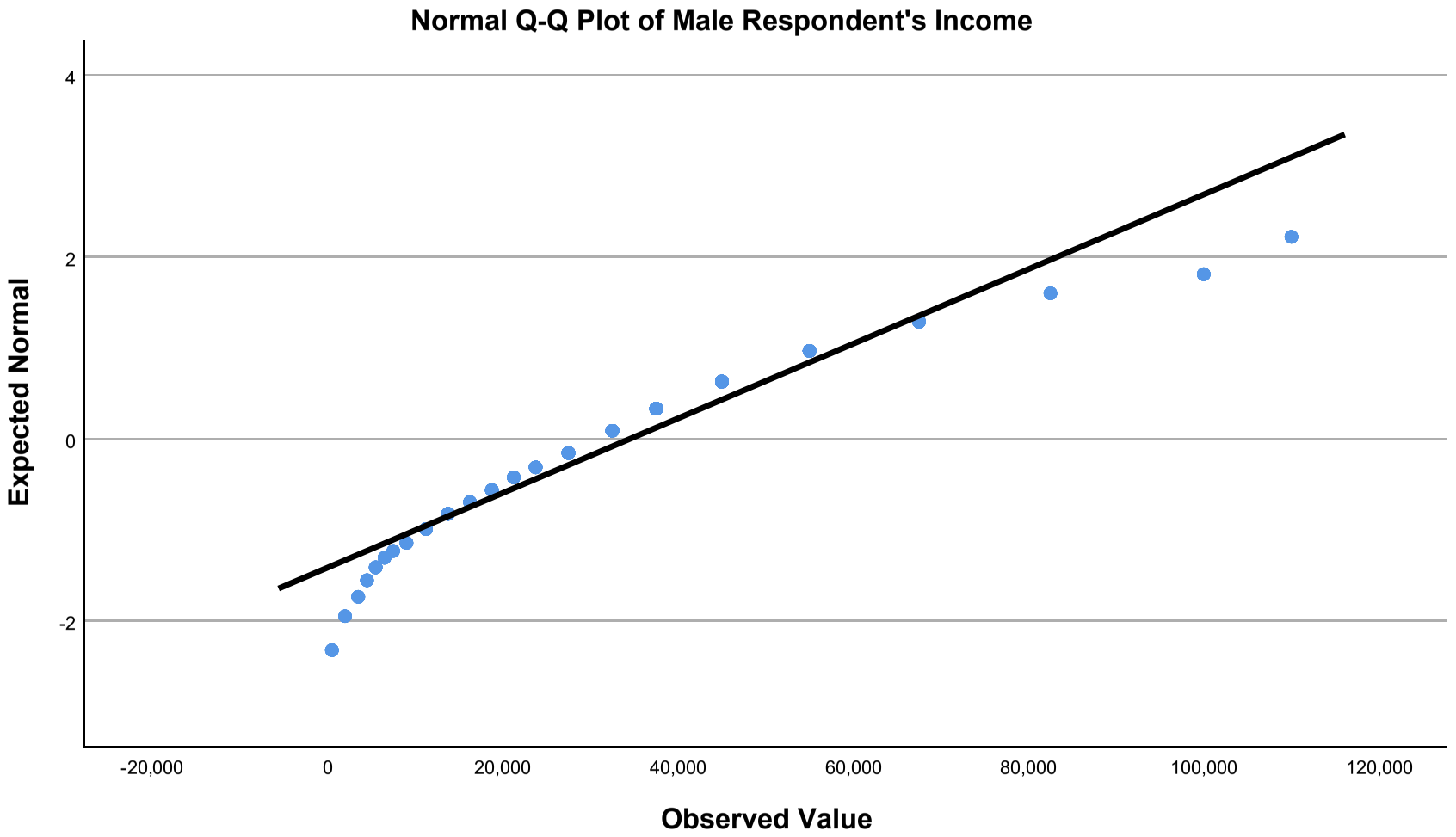
**Histograms**


Histogram of Male Respondent Income
Frequency
60
50
40
30
20
10
0
0
20000
40000
60000
80000
100000
Mean = 34603.75
Std. Dev. = 24350.7
N = 453

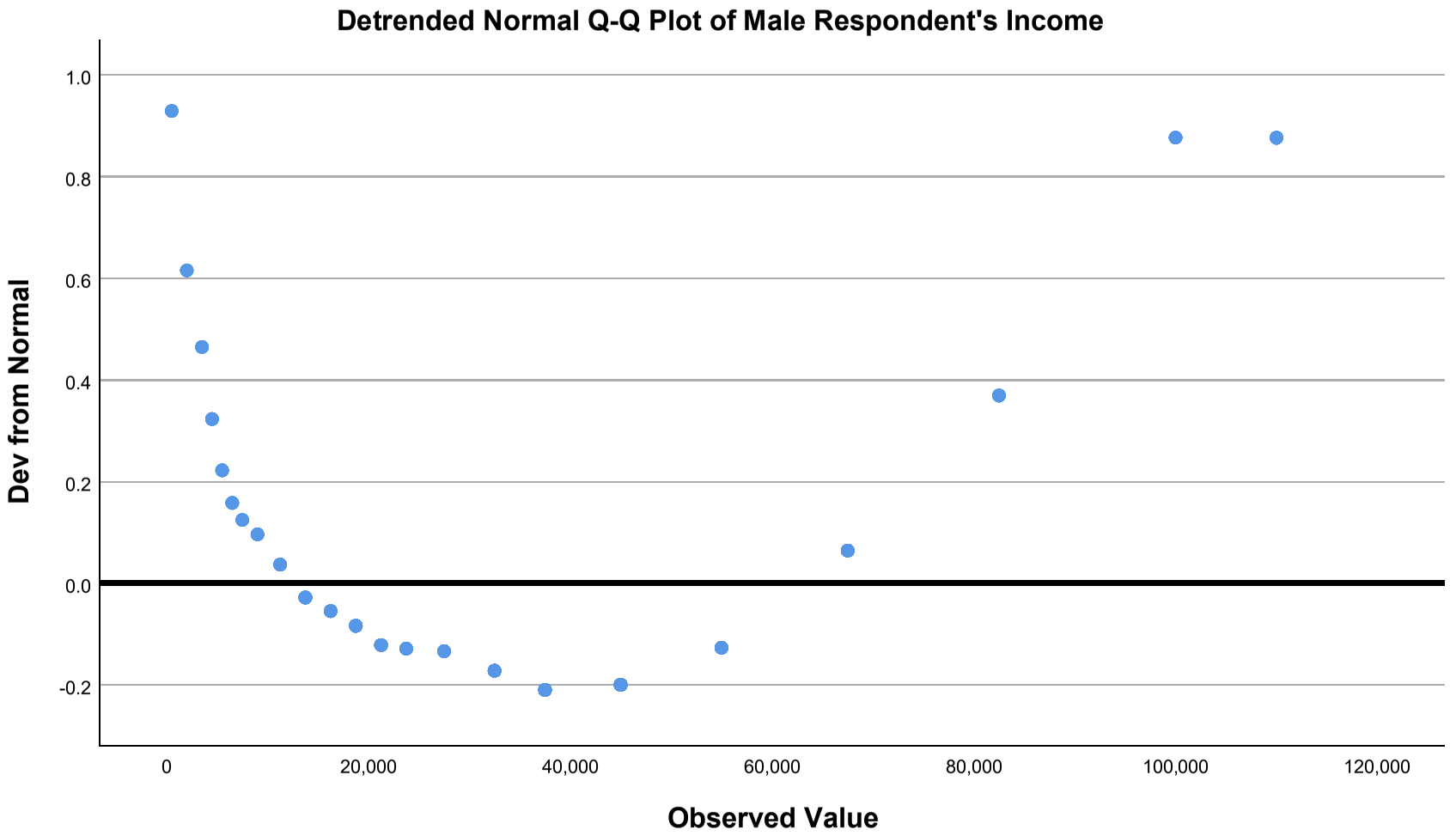
## Stem-and-Leaf Plots

```
 Male Respondent's Income
Ranges recoded to midpoints
Stem-and-Leaf Plot for Male Income

 Frequency    Stem &  Leaf

    31.00        0 .  0000000022222233333333444444444
    31.00        0 .  55555555666666677779999999999
    40.00        1 .  1111111111111111111133333333333333333333
    39.00        1 .  666666666666666888888888888888888888888
    37.00        2 .  11111111111111111111333333333333333333
    40.00        2 .  77777777777777777777777777777777777777
    48.00        3 .  222222222222222222222222222222222222222222222222
    38.00        3 .  77777777777777777777777777777777777777
      .00        4 .
    58.00        4 .  55555555555555555555555555555555555555555555555555555555555555
      .00        5 .
    31.00        5 .  5555555555555555555555555555
      .00        6 .
    31.00        6 .  7777777777777777777777777777
      .00        7 .
      .00        7 .
     9.00        8 .  222222222
    20.00 Extremes    (>=100000)

 Stem width:     10000
 Each leaf:        1 case(s)
```

**Normal Q-Q Plots**

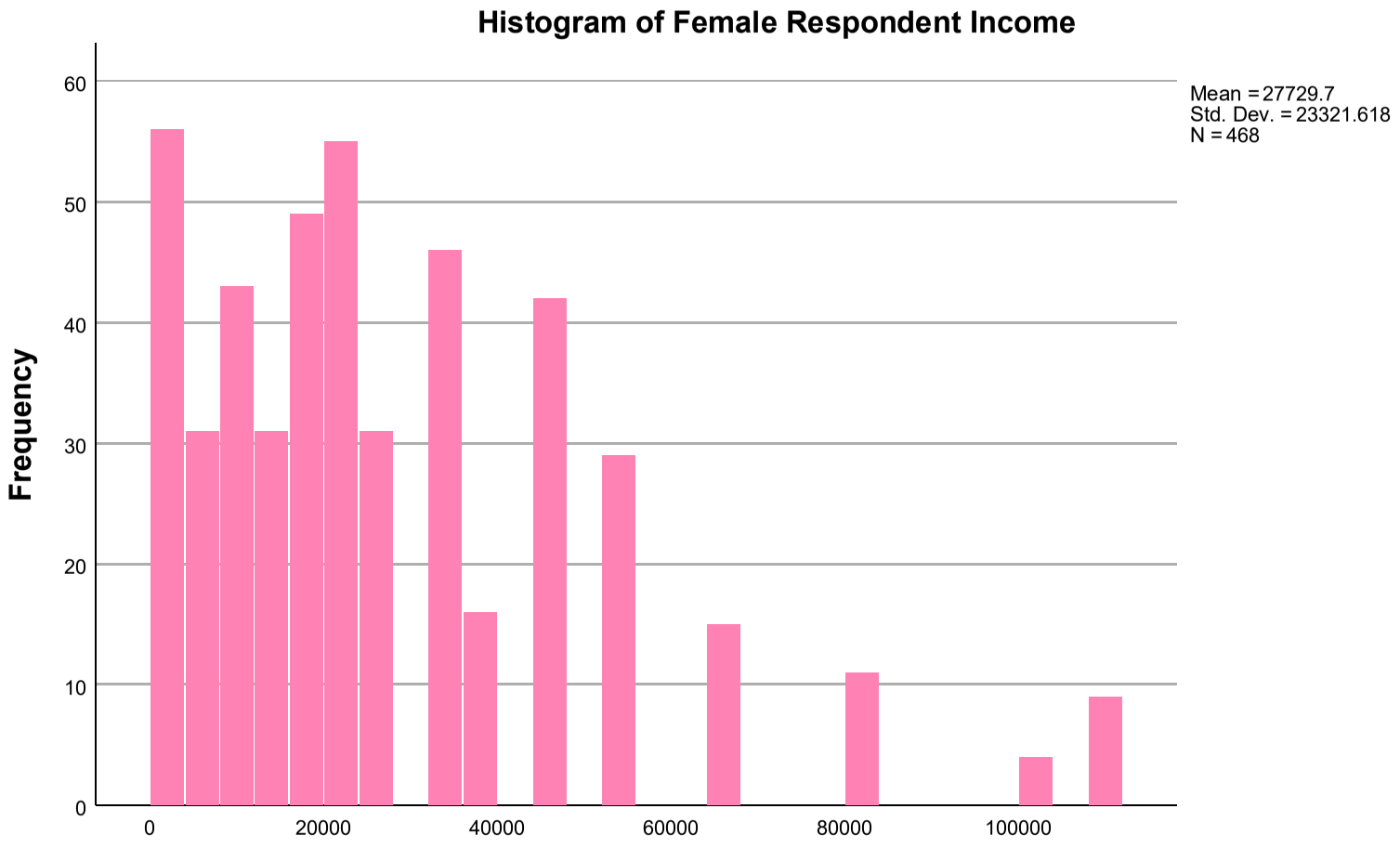

Normal Q-Q Plot of Male Respondent's Income
Expected Normal
4
2
0
-2
-20,000
0
20,000
40,000
60,000
80,000
100,000
120,000
Observed Value

**Detrended Normal Q-Q Plots**


Detrended Normal Q-Q Plot of Male Respondent's Income
Dev from Normal
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
0
20,000
40,000
60,000
80,000
100,000
120,000
Observed Value

**Respondent's sex = Female**

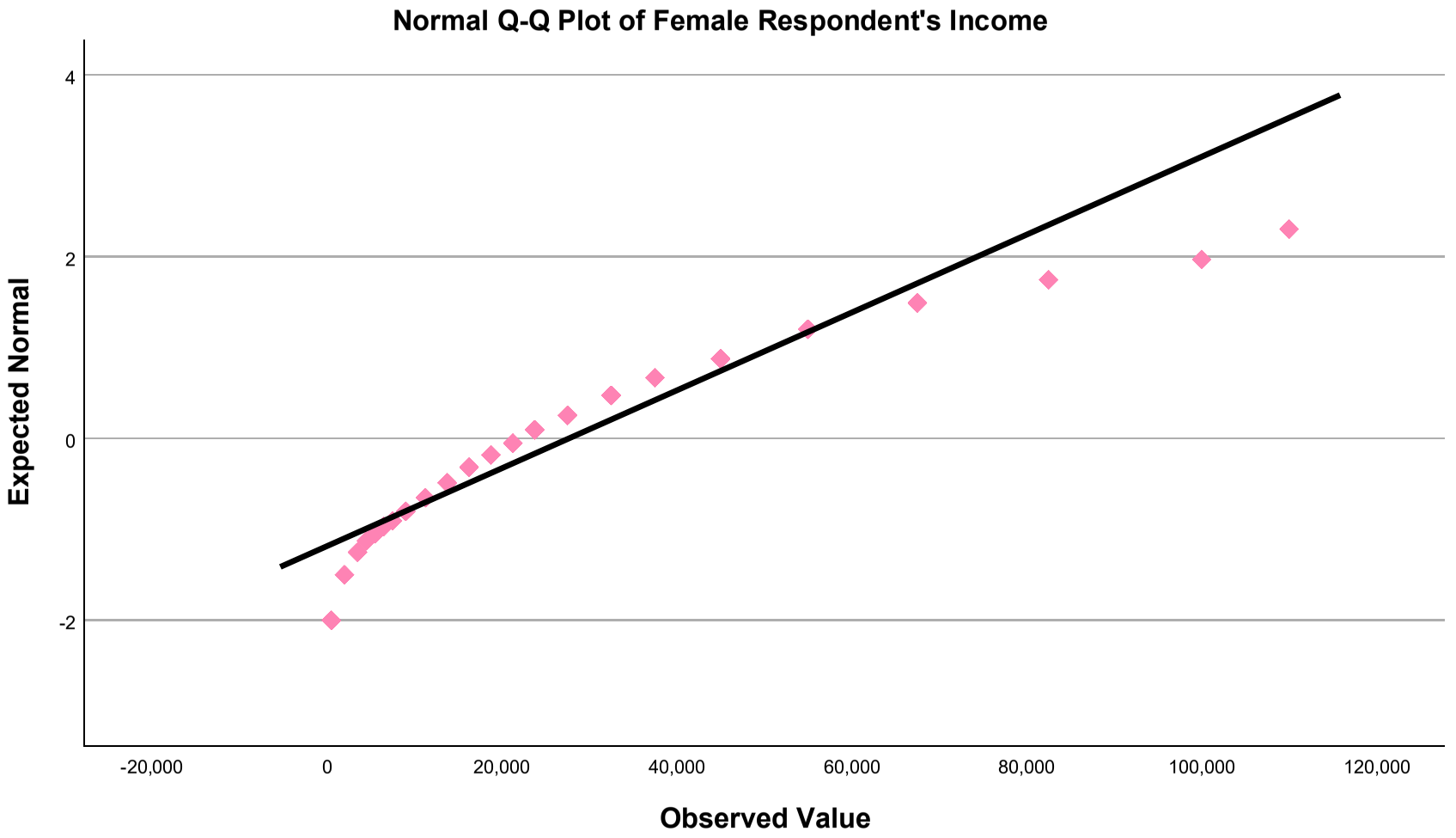
**Histograms**


Histogram of Female Respondent Income
Frequency
60
50
40
30
20
10
0
0
20000
40000
60000
80000
100000
Mean = 27729.7
Std. Dev. = 23321.618
N = 468

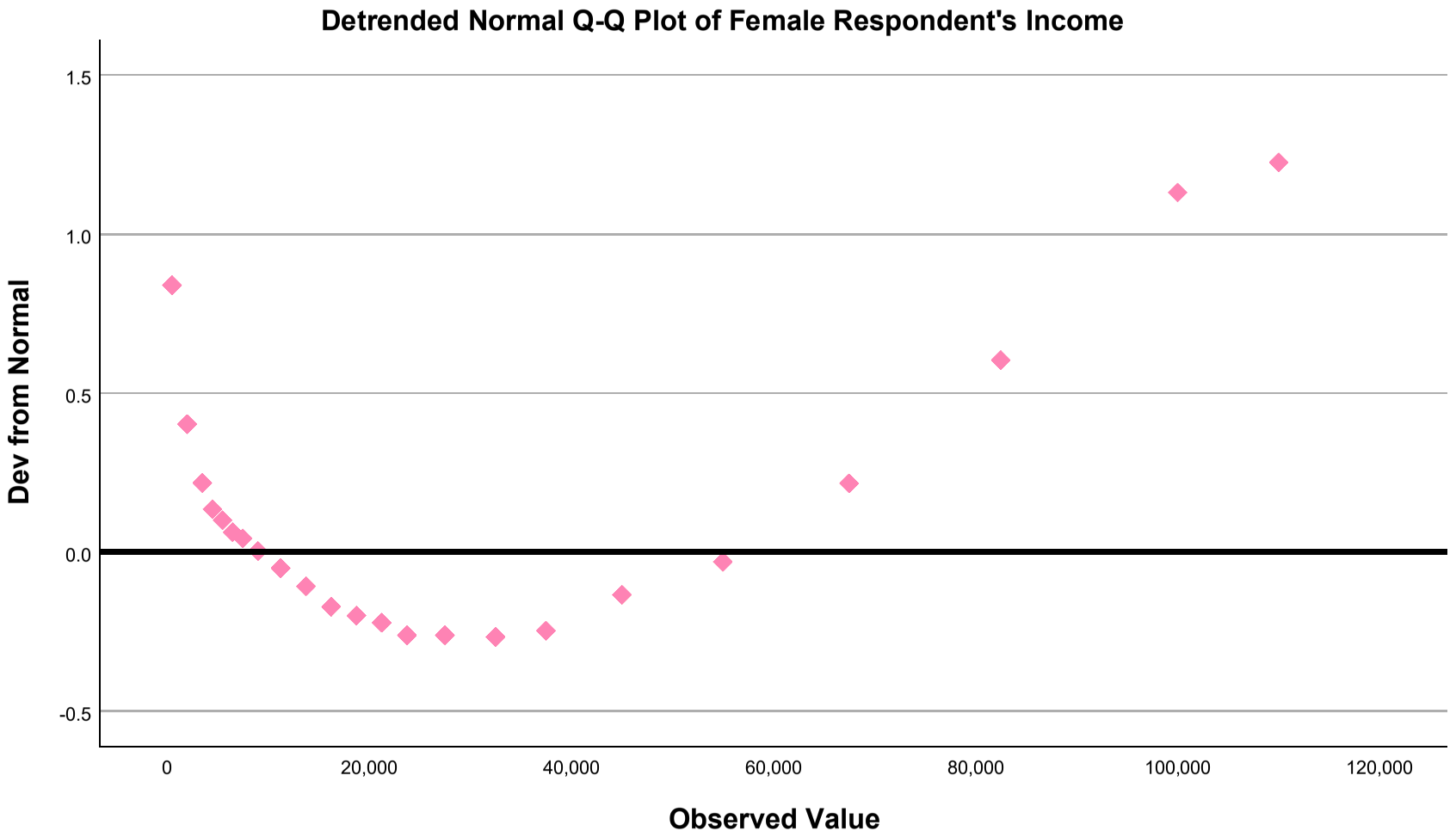
## Stem-and-Leaf Plots

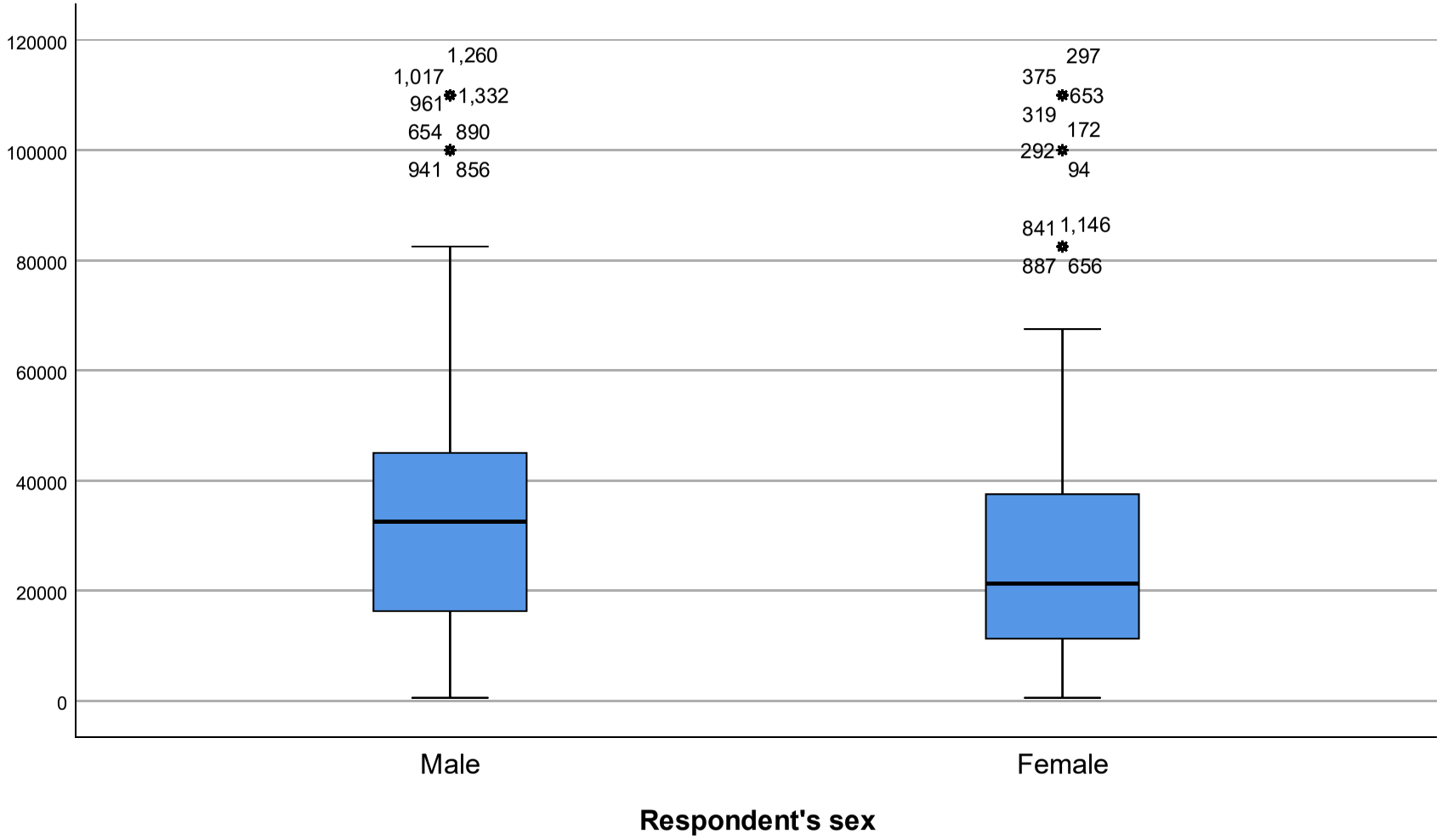
```
 Female Respondent's Income
Ranges recoded to midpoints
Stem-and-Leaf Plot for Female Income

 Frequency    Stem &  Leaf

    64.00        0 .  0000000000000000000022222222222222222222333333333333333344444444
    45.00        0 .  555555556666666666777779999999999999999999999
    52.00        1 .  11111111111111111111133333333333333333333333333333333
    49.00        1 .  666666666666666666666666666888888888888888888888
    55.00        2 .  1111111111111111111111111133333333333333333333333333333
    31.00        2 .  7777777777777777777777777777
    46.00        3 .  22222222222222222222222222222222222222222222222
    16.00        3 .  7777777777777777
      .00        4 .
    42.00        4 .  555555555555555555555555555555555555555555555
      .00        5 .
    29.00        5 .  55555555555555555555555555555
      .00        6 .
    15.00        6 .  777777777777777
    24.00 Extremes    (>=82500)

 Stem width:     10000
 Each leaf:        1 case(s)
```

## Normal Q-Q Plots


Normal Q-Q Plot of Female Respondent's Income
Expected Normal
4
2
0
-2
-20,000
0
20,000
40,000
60,000
80,000
100,000
120,000
Observed Value

**Detrended Normal Q-Q Plots**


Detrended Normal Q-Q Plot of Female Respondent's Income
Dev from Normal
1.5
1.0
0.5
0.0
-0.5
0
20,000
40,000
60,000
80,000
100,000
120,000
Observed Value


120000
100000
80000
60000
40000
20000
0
1,260
1,017
961
1,332
654
890
941
856
297
375
653
319
172
292
94
841
1,146
887
656
Male
Female
Respondent's sex

```
DESCRIPTIVES VARIABLES=sex rincdol
  /STATISTICS=MEAN STDDEV VARIANCE RANGE MIN MAX SEMEAN KURTOSIS SKEWNESS.
```

## Descriptives

### Descriptive Statistics

| | N | Range | Minimum | Maximum | Mean | | Std. Deviation | Variance | Skewness |
|---|---|---|---|---|---|---|---|---|---|
| | Statistic | Statistic | Statistic | Statistic | Statistic | Std. Error | Statistic | Statistic | Statistic |
| Respondent's sex | 1419 | 1 | 1 | 2 | 1.54 | .013 | .498 | .248 | -.171 |
| Respondent's income; ranges recoded to midpoints | 921 | 109500 | 500 | 110000 | 31110.75 | 793.043 | 24067.245 | 579232286.5 | 1.245 |
| Valid N (listwise) | 921 | | | | | | | | |

### Descriptive Statistics

| | Skewness | Kurtosis | |
|---|---|---|---|
| | Std. Error | Statistic | Std. Error |
| Respondent's sex | .065 | -1.973 | .130 |
| Respondent's income; ranges recoded to midpoints | .081 | 1.607 | .161 |
| Valid N (listwise) | | | |

```
SAVE TRANSLATE OUTFILE='C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files '+
   'SPSS\Week 4\gss.csv'
  /TYPE=CSV
```

```
  /ENCODING='UTF8'
  /MAP
  /REPLACE
  /FIELDNAMES
  /CELLS=VALUES.

Data written to C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 4\gss.csv.
47 variables and 1419 cases written.
Variable: age                Type: Number   Width:   2   Dec: 0
Variable: agecat             Type: Number   Width:   8   Dec: 0
Variable: degree             Type: Number   Width:   1   Dec: 0
Variable: educ               Type: Number   Width:   2   Dec: 0
Variable: emailhrs           Type: Number   Width:   8   Dec: 2
Variable: hrs1               Type: Number   Width:   2   Dec: 0
Variable: ndegree            Type: Number   Width:   1   Dec: 0
Variable: netcat             Type: Number   Width:   1   Dec: 0
Variable: nethrs             Type: Number   Width:   8   Dec: 2
Variable: sex                Type: Number   Width:   1   Dec: 0
Variable: sphrs1             Type: Number   Width:   2   Dec: 0
Variable: srcheng2           Type: Number   Width:   2   Dec: 0
Variable: tvhours            Type: Number   Width:   2   Dec: 0
Variable: usecomp            Type: Number   Width:   1   Dec: 0
Variable: usemail            Type: Number   Width:   1   Dec: 0
Variable: usenet             Type: Number   Width:   1   Dec: 0
Variable: useweb             Type: Number   Width:   1   Dec: 0
Variable: webhrs             Type: Number   Width:   8   Dec: 2
Variable: hapmar             Type: Number   Width:   1   Dec: 0
Variable: happy              Type: Number   Width:   1   Dec: 0
Variable: speduc             Type: Number   Width:   2   Dec: 0
Variable: rincome            Type: Number   Width:   2   Dec: 0
Variable: life               Type: Number   Width:   1   Dec: 0
Variable: income             Type: Number   Width:   2   Dec: 0
Variable: maeduc             Type: Number   Width:   2   Dec: 0
Variable: paeduc             Type: Number   Width:   2   Dec: 0
Variable: marital            Type: Number   Width:   1   Dec: 0
```

```
Variable: postlife           Type: Number   Width:   1   Dec: 0
Variable: pres96             Type: Number   Width:   1   Dec: 0
Variable: richwork           Type: Number   Width:   1   Dec: 0
Variable: satjob             Type: Number   Width:   1   Dec: 0
Variable: sibs               Type: Number   Width:   2   Dec: 0
Variable: spdeg              Type: Number   Width:   1   Dec: 0
Variable: spwrksta           Type: Number   Width:   1   Dec: 0
Variable: vote96             Type: Number   Width:   1   Dec: 0
Variable: wrkstat            Type: Number   Width:   1   Dec: 0
Variable: zodiac             Type: Number   Width:   2   Dec: 0
Variable: incomdol           Type: Number   Width:   8   Dec: 0
Variable: rincdol            Type: Number   Width:   8   Dec: 0
Variable: husbeduc           Type: Number   Width:   8   Dec: 2
Variable: wifeduc            Type: Number   Width:   8   Dec: 2
Variable: husbhr             Type: Number   Width:   8   Dec: 2
Variable: wifehr             Type: Number   Width:   8   Dec: 2
Variable: husbft             Type: Number   Width:   8   Dec: 2
Variable: wifeft             Type: Number   Width:   8   Dec: 2
Variable: cpldifed           Type: Number   Width:   8   Dec: 2
Variable: prtdifed           Type: Number   Width:   8   Dec: 2
```

```
 GET
  FILE='C:\Users\stefa\OneDrive - Careered - CTU\2024\RES814\Data Files SPSS\Week 1\gss.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
* Chart Builder.
GGRAPH
  /GRAPHDATASET NAME="graphdataset" VARIABLES=rincdol sex MISSING=LISTWISE REPORTMISSING=NO
  /GRAPHSPEC SOURCE=INLINE.
BEGIN GPL
  SOURCE: s=userSource(id("graphdataset"))
  DATA: rincdol=col(source(s), name("rincdol"))
```

```
  DATA: sex=col(source(s), name("sex"), unit.category())
  COORD: transpose(mirror(rect(dim(1,2))))
  GUIDE: axis(dim(1), label("Respondent's income; ranges recoded to midpoints"))
  GUIDE: axis(dim(1), opposite(), label("Respondent's income; ranges recoded to midpoints"))
  GUIDE: axis(dim(2), label(""))
  GUIDE: axis(dim(3), label("Respondent's sex"), opposite(), gap(0px))
  GUIDE: legend(aesthetic(aesthetic.color), null())
  GUIDE: text.title(label("Population Pyramid Frequency Respondent's income; ranges recoded to ",
    "midpoints  by Respondent's sex"))
  SCALE: cat(dim(3), reverse(), include("1", "2"))
  ELEMENT: interval(position(summary.count(bin.rect(rincdol*1*sex))), color.interior(sex))
END GPL.
```

### GGraph

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

**Population Pyramid Frequency of Reported Income Midpoints by Sex**