

## Program Summary - Assignment1\_Birth.sas

---

### Execution Environment

Author: u63414794  
 File: /home/u63414794/BAN100/Assignment1\_Birth.sas  
 SAS Platform: Linux LIN X64 3.10.0-1062.12.1.el7.x86\_64  
 SAS Host: ODAWS01-USW2-2.ODA.SAS.COM  
 SAS Version: 9.04.01M7P08062020  
 SAS Locale: en\_US  
 Submission Time: 6/4/2023, 1:29:16 PM  
 Browser Host: CPEAC202E0F3433-CMAC202E0F3430.SDNS.NET.ROGERS.COM  
 User Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/114.0.0.0 Safari/537.36 Edg/114.0.1823.37  
 Application Server: ODAMID00-USW2-2.ODA.SAS.COM

---

### Code: Assignment1\_Birth.sas

```

*Full_name=Parnia Ahmadi*

/*Investigate relationship between the variable "weight" and other variables*/;

PROC IMPORT
  DATAFILE="/home/u63414794/BAN100/FileBIRTH(1).xlsx"
  OUT=Birth_weight
  DBMS=xlsx REPLACE;
RUN;

proc contents data=birth_weight;
run;

/* Center the MomAge variable */
DATA Birth_weight_centered;
  SET Birth_weight;
  MomAge_centered = MomAge - 27; /* Centering at the mean age.MomAge=-7 means the mother was 20 years old
  whereas MomAge=5 means that the mother was 32 years old. */
RUN;

proc ttest data=birth_weight;
  var weight; /* Numeric variable to compare with */
  class MomSmoke ; /* Categorical variable to compare with */
  ods output ttests=ttest_results; /* Save t-test results to a dataset */
run;

proc ttest data=birth_weight;
  var weight; /* Numeric variable to compare with */
  class Married; /* Categorical variable to compare with */
  ods output ttests=ttest_results; /* Save t-test results to a dataset */
run;

proc ttest data=Birth_weight;
  var weight; /* Numeric variable to compare with */
  class Boy; /* Categorical variable to compare with */
  ods output ttests=ttest_results; /* Save t-test results to a dataset */
run;
  
```

---

```
proc ttest data=Birth_weight;
  var weight; /* Numeric variable to compare with */
  Var MomAge; /* Categorical variable to compare with */
  ods output ttests=ttest_results; /* Save t-test results to a dataset */
run;
```

---

```
proc ttest data=Birth_weight;
  var weight; /* Numeric variable to compare with */
  var MomSmoke; /* Categorical variable to compare with */
  ods output ttests=ttest_results; /* Save t-test results to a dataset */
run;
```

---

```
proc ttest data=Birth_weight;
  var weight; /* Numeric variable to compare with */
  var CigsPerDay; /* Numerical variable to compare with */
  ods output ttests=ttest_results; /* Save t-test results to a dataset */
run;
```

---

```
proc ttest data=Birth_weight;
  var weight; /* Numeric variable to compare with */
  var MomWtGain; /* Numerical variable to compare with */
  ods output ttests=ttest_results; /* Save t-test results to a dataset */
run;
```

---

```
proc ttest data=Birth_weight;
  var weight; /* Numeric variable to compare with */
  var Visit; /* Numerical variable to compare with */
  ods output ttests=ttest_results; /* Save t-test results to a dataset */
run;
```

---

```
proc ttest data=Birth_weight;
  var weight; /* Numeric variable to compare with */
  var MomEdLevel; /* Numerical variable to compare with */
  ods output ttests=ttest_results; /* Save t-test results to a dataset */
run;
```

---

## Log: Assignment1\_Birth.sas

Notes (26)

```
1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
NOTE: ODS statements in the SAS Studio environment may disable some output features.
69
70      *Full_name=Parnia Ahmadi*
71
72
73      /*Investigate relationship between the variable "weight" and other variables*/;
74
75      PROC IMPORT
76          DATAFILE="/home/u63414794/BAN100/FileBIRTH(1).xlsx"
77          OUT=Birth_weight
78          DBMS=xlsx REPLACE;
79      RUN;
```

NOTE: The import data set has 50000 observations and 10 variables.

NOTE: WORK.BIRTH\_WEIGHT data set was successfully created.

NOTE: PROCEDURE IMPORT used (Total process time):

|                              |                        |
|------------------------------|------------------------|
| real time                    | 6.46 seconds           |
| user cpu time                | 6.47 seconds           |
| system cpu time              | 0.00 seconds           |
| memory                       | 4639.25k               |
| OS Memory                    | 33276.00k              |
| Timestamp                    | 06/04/2023 05:28:52 PM |
| Step Count                   | 187                    |
| Page Faults                  | 0                      |
| Page Reclaims                | 775                    |
| Page Swaps                   | 0                      |
| Voluntary Context Switches   | 40                     |
| Involuntary Context Switches | 13                     |
| Block Input Operations       | 0                      |
| Block Output Operations      | 7944                   |

80

81

82       proc contents data=birth\_weight;

83       run;

NOTE: PROCEDURE CONTENTS used (Total process time):

|                              |                        |
|------------------------------|------------------------|
| real time                    | 0.04 seconds           |
| user cpu time                | 0.04 seconds           |
| system cpu time              | 0.00 seconds           |
| memory                       | 3304.65k               |
| OS Memory                    | 31148.00k              |
| Timestamp                    | 06/04/2023 05:28:52 PM |
| Step Count                   | 188                    |
| Page Faults                  | 0                      |
| Page Reclaims                | 285                    |
| Page Swaps                   | 0                      |
| Voluntary Context Switches   | 6                      |
| Involuntary Context Switches | 0                      |
| Block Input Operations       | 0                      |
| Block Output Operations      | 16                     |

84

85

86       /\* Center the MomAge variable \*/

87       DATA Birth\_weight\_centered;

88       SET Birth\_weight;

89       MomAge\_centered = MomAge - 27; /\* Centering at the mean age.MomAge=-7 means the mother was 20 years old

90       whereas MomAge=5 means that the mother was 32 years old. \*/

91       RUN;

NOTE: There were 50000 observations read from the data set WORK.BIRTH\_WEIGHT.

NOTE: The data set WORK.BIRTH\_WEIGHT\_CENTERED has 50000 observations and 11 variables.

NOTE: DATA statement used (Total process time):

|                              |                        |
|------------------------------|------------------------|
| real time                    | 0.01 seconds           |
| user cpu time                | 0.02 seconds           |
| system cpu time              | 0.00 seconds           |
| memory                       | 3670.75k               |
| OS Memory                    | 32940.00k              |
| Timestamp                    | 06/04/2023 05:28:52 PM |
| Step Count                   | 189                    |
| Page Faults                  | 0                      |
| Page Reclaims                | 532                    |
| Page Swaps                   | 0                      |
| Voluntary Context Switches   | 15                     |
| Involuntary Context Switches | 0                      |
| Block Input Operations       | 0                      |
| Block Output Operations      | 8720                   |

92

93       proc ttest data=birth\_weight;

94       var weight; /\* Numeric variable to compare with \*/

95       class MomSmoke ; /\* Categorical variable to compare with \*/

96       ods output ttests=ttest\_results; /\* Save t-test results to a dataset \*/

97       run;

NOTE: The data set WORK.TTEST\_RESULTS has 2 observations and 6 variables.

NOTE: PROCEDURE TTEST used (Total process time):

|                              |                        |
|------------------------------|------------------------|
| real time                    | 2.01 seconds           |
| user cpu time                | 1.48 seconds           |
| system cpu time              | 0.24 seconds           |
| memory                       | 24281.46k              |
| OS Memory                    | 50164.00k              |
| Timestamp                    | 06/04/2023 05:28:54 PM |
| Step Count                   | 190                    |
| Page Faults                  | 0                      |
| Page Reclaims                | 53895                  |
| Page Swaps                   | 0                      |
| Voluntary Context Switches   | 9982                   |
| Involuntary Context Switches | 2                      |
| Block Input Operations       | 0                      |
| Block Output Operations      | 121664                 |

98

```

99      proc ttest data=birth_weight;
100          var weight; /* Numeric variable to compare with */
101          class Married; /* Categorical variable to compare with */
102          ods output ttests=ttest_results; /* Save t-test results to a dataset */
103      run;

```

NOTE: The data set WORK.TTEST\_RESULTS has 2 observations and 6 variables.

NOTE: PROCEDURE TTEST used (Total process time):

|                              |                        |
|------------------------------|------------------------|
| real time                    | 1.83 seconds           |
| user cpu time                | 1.35 seconds           |
| system cpu time              | 0.23 seconds           |
| memory                       | 17876.46k              |
| OS Memory                    | 50576.00k              |
| Timestamp                    | 06/04/2023 05:28:56 PM |
| Step Count                   | 191                    |
| Page Faults                  | 0                      |
| Page Reclaims                | 51822                  |
| Page Swaps                   | 0                      |
| Voluntary Context Switches   | 9978                   |
| Involuntary Context Switches | 6                      |
| Block Input Operations       | 0                      |
| Block Output Operations      | 106480                 |

104

105

106

```

107      proc ttest data=Birth_weight;
108          var weight; /* Numeric variable to compare with */
109          class Boy; /* Categorical variable to compare with */
110          ods output ttests=ttest_results; /* Save t-test results to a dataset */
111      run;

```

NOTE: The data set WORK.TTEST\_RESULTS has 2 observations and 6 variables.

NOTE: PROCEDURE TTEST used (Total process time):

|                              |                        |
|------------------------------|------------------------|
| real time                    | 1.55 seconds           |
| user cpu time                | 1.07 seconds           |
| system cpu time              | 0.22 seconds           |
| memory                       | 17632.59k              |
| OS Memory                    | 51608.00k              |
| Timestamp                    | 06/04/2023 05:28:57 PM |
| Step Count                   | 192                    |
| Page Faults                  | 0                      |
| Page Reclaims                | 50456                  |
| Page Swaps                   | 0                      |
| Voluntary Context Switches   | 9603                   |
| Involuntary Context Switches | 2                      |
| Block Input Operations       | 0                      |
| Block Output Operations      | 87200                  |

112

113

114

```

115     proc ttest data=Birth_weight;
116         var weight; /* Numeric variable to compare with */
117         Var MomAge; /* Categorical variable to compare with */
118         ods output ttests=ttest_results; /* Save t-test results to a dataset */
119     run;

```

NOTE: The data set WORK.TTEST\_RESULTS has 2 observations and 4 variables.

NOTE: PROCEDURE TTEST used (Total process time):

```

real time          2.73 seconds
user cpu time      1.63 seconds
system cpu time    0.26 seconds
memory             17620.59k
OS Memory          51220.00k
Timestamp          06/04/2023 05:29:00 PM
Step Count         193   Switch Count  168
Page Faults        0
Page Reclaims      67538
Page Swaps         0
Voluntary Context Switches  6166
Involuntary Context Switches  3
Block Input Operations  0
Block Output Operations  133328

```

```

120
121
122
123     proc ttest data=Birth_weight;
124         var weight; /* Numeric variable to compare with */
125         var MomSmoke; /* Categorical variable to compare with */
126         ods output ttests=ttest_results; /* Save t-test results to a dataset */
127     run;

```

NOTE: The data set WORK.TTEST\_RESULTS has 2 observations and 4 variables.

NOTE: PROCEDURE TTEST used (Total process time):

```

real time          3.31 seconds
user cpu time      2.02 seconds
system cpu time    0.32 seconds
memory             17638.59k
OS Memory          51220.00k
Timestamp          06/04/2023 05:29:03 PM
Step Count         194   Switch Count  167
Page Faults        0
Page Reclaims      67475
Page Swaps         0
Voluntary Context Switches  25778
Involuntary Context Switches  58
Block Input Operations  0
Block Output Operations  132864

```

```

128
129
130     proc ttest data=Birth_weight;
131         var weight; /* Numeric variable to compare with */
132         var CigsPerDay; /* Numerical variable to compare with */
133         ods output ttests=ttest_results; /* Save t-test results to a dataset */
134     run;

```

NOTE: The data set WORK.TTEST\_RESULTS has 2 observations and 4 variables.

NOTE: PROCEDURE TTEST used (Total process time):

```

real time          3.30 seconds
user cpu time      1.99 seconds
system cpu time    0.31 seconds
memory             17601.40k
OS Memory          50964.00k
Timestamp          06/04/2023 05:29:07 PM
Step Count         195   Switch Count  169
Page Faults        0
Page Reclaims      67450
Page Swaps         0
Voluntary Context Switches  25771
Involuntary Context Switches  1
Block Input Operations  0

```

Block Output Operations 132984

```

135
136
137     proc ttest data=Birth_weight;
138         var weight; /* Numeric variable to compare with */
139         var MomWtGain; /* Numerical variable to compare with */
140         ods output ttests=ttest_results; /* Save t-test results to a dataset */
141     run;

```

NOTE: The data set WORK.TTEST\_RESULTS has 2 observations and 4 variables.

NOTE: PROCEDURE TTEST used (Total process time):

```

real time          2.84 seconds
user cpu time      1.69 seconds
system cpu time    0.29 seconds
memory            17406.00k
OS Memory          50964.00k
Timestamp          06/04/2023 05:29:10 PM
Step Count         196  Switch Count  166
Page Faults        0
Page Reclaims      67498
Page Swaps         0
Voluntary Context Switches  8168
Involuntary Context Switches  2
Block Input Operations  0
Block Output Operations 133536

```

```

142
143
144     proc ttest data=Birth_weight;
145         var weight; /* Numeric variable to compare with */
146         var Visit; /* Numerical variable to compare with */
147         ods output ttests=ttest_results; /* Save t-test results to a dataset */
148     run;

```

NOTE: The data set WORK.TTEST\_RESULTS has 2 observations and 4 variables.

NOTE: PROCEDURE TTEST used (Total process time):

```

real time          3.51 seconds
user cpu time      2.09 seconds
system cpu time    0.34 seconds
memory            17513.28k
OS Memory          51220.00k
Timestamp          06/04/2023 05:29:13 PM
Step Count         197  Switch Count  168
Page Faults        0
Page Reclaims      67742
Page Swaps         0
Voluntary Context Switches  29744
Involuntary Context Switches  7
Block Input Operations  0
Block Output Operations 132784

```

```

149
150
151     proc ttest data=Birth_weight;
152         var weight; /* Numeric variable to compare with */
153         var MomEdLevel; /* Numerical variable to compare with */
154         ods output ttests=ttest_results; /* Save t-test results to a dataset */
155     run;

```

NOTE: The data set WORK.TTEST\_RESULTS has 2 observations and 4 variables.

NOTE: PROCEDURE TTEST used (Total process time):

```

real time          2.73 seconds
user cpu time      1.65 seconds
system cpu time    0.28 seconds
memory            17599.46k
OS Memory          51220.00k
Timestamp          06/04/2023 05:29:16 PM
Step Count         198  Switch Count  167
Page Faults        0
Page Reclaims      67631

```

6/4/23, 1:31 PM

Program Summary - Assignment1\_Birth.sas

Page Swaps0

Voluntary Context Switches6190

Involuntary Context Switches30

Block Input Operations0

Block Output Operations133024

156

157

158

159

160

161

162

163

173

OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

Results: Assignment1\_Birth.sas

The CONTENTS Procedure

|                     |   |                      |       |
|---------------------|---|----------------------|-------|
| Data Set Name       | WORK.BIRTH_WEIGHT                                     | Observations         | 50000 |
| Member Type         | DATA  | Variables            | 10    |
| Engine              | V9  | Indexes              | 0     |
| Created             | 06/04/2023 13:28:49                                   | Observation Length   | 80    |
| Last Modified       | 06/04/2023 13:28:49                                   | Deleted Observations | 0     |
| Protection          |   | Compressed           | NO    |
| Data Set Type       |   | Sorted               | NO    |
| Label               |   |                      |       |
| Data Representation | SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64 |                      |       |
| Encoding            | utf-8 Unicode (UTF-8)                                 |                      |       |

Engine/Host Dependent Information

|                            |  |
|----------------------------|--|
| Data Set Page Size         | 131072   |
| Number of Data Set Pages   | 31   |
| First Data Page            | 1  |
| Max Obs per Page           | 1635   |
| Obs in First Data Page     | 1596   |
| Number of Data Set Repairs | 0  |
| Filename                   | /saswork/SAS_workC7ED0001B155_odaws02-usw2-2.oda.sas.com/SAS_work83A30001B155_odaws02-usw2-2.oda.sas.com/birth_weight.sas7bdat |
| Release Created            | 9.0401M7   |
| Host Created               | Linux  |
| Inode Number               | 268578660  |
| Access Permission          | rw-r--r--  |
| Owner Name                 | u63414794  |
| File Size                  | 4MB  |
| File Size (bytes)          | 4194304  |

Alphabetic List of Variables and Attributes

| #  | Variable   | Type | Len | Format | Label      |
|----|------------|------|-----|--------|------------|
| 2  | Black      | Num  | 8   | BEST.  | Black      |
| 4  | Boy        | Num  | 8   | BEST.  | Boy        |
| 7  | CigsPerDay | Num  | 8   | BEST.  | CigsPerDay |
| 3  | Married    | Num  | 8   | BEST.  | Married    |
| 5  | MomAge     | Num  | 8   | BEST.  | MomAge     |
| 10 | MomEdLevel | Num  | 8   | BEST.  | MomEdLevel |
| 6  | MomSmoke   | Num  | 8   | BEST.  | MomSmoke   |
| 8  | MomWtGain  | Num  | 8   | BEST.  | MomWtGain  |
| 9  | Visit      | Num  | 8   | BEST.  | Visit      |
| 1  | Weight     | Num  | 8   | BEST.  | Weight     |

The TTEST Procedure

Variable: Weight (Weight)

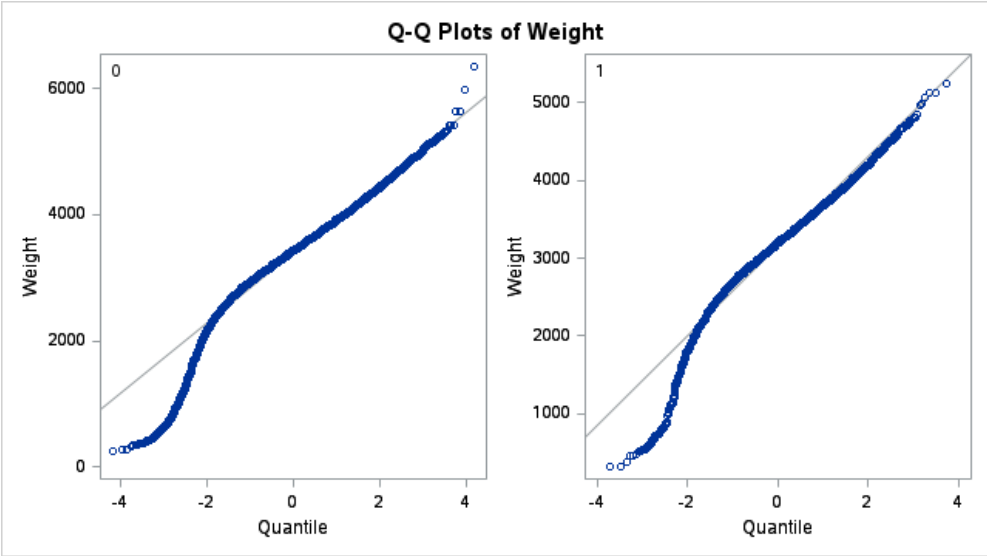
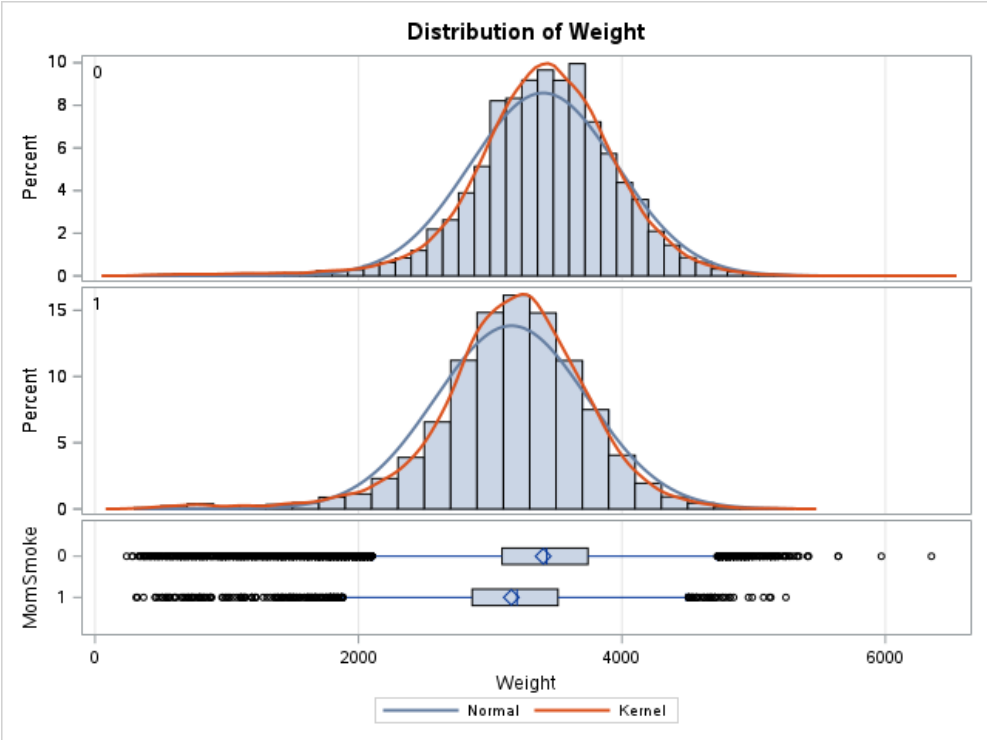
| MomSmoke   | Method | N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|------------|--------|-------|--------|---------|---------|---------|---------|
| 0          |        | 43467 | 3402.3 | 558.0   | 2.6766  | 240.0   | 6350.0  |
| 1          |        | 6533  | 3160.9 | 576.8   | 7.1358  | 312.0   | 5245.0  |
| Diff (1-2) | Pooled |       | 241.5  | 560.5   | 7.4376  |         |         |

| MomSmoke   | Method        | N | Mean  | Std Dev | Std Err | Minimum | Maximum |
|------------|---------------|---|-------|---------|---------|---------|---------|
| Diff (1-2) | Satterthwaite |   | 241.5 |         | 7.6213  |         |         |

| MomSmoke   | Method        | Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|------------|---------------|--------|---------------|---------|----------------|
| 0          |               | 3402.3 | 3397.1 3407.6 | 558.0   | 554.3 561.8    |
| 1          |               | 3160.9 | 3146.9 3174.8 | 576.8   | 567.0 586.8    |
| Diff (1-2) | Pooled        | 241.5  | 226.9 256.0   | 560.5   | 557.1 564.0    |
| Diff (1-2) | Satterthwaite | 241.5  | 226.5 256.4   |         |                |

| Method        | Variances | DF     | t Value | Pr >  t |
|---------------|-----------|--------|---------|---------|
| Pooled        | Equal     | 49998  | 32.46   | <.0001  |
| Satterthwaite | Unequal   | 8474.1 | 31.68   | <.0001  |

| Equality of Variances |        |        |         |        |
|-----------------------|--------|--------|---------|--------|
| Method                | Num DF | Den DF | F Value | Pr > F |
| Folded F              | 6532   | 43466  | 1.07    | 0.0004 |



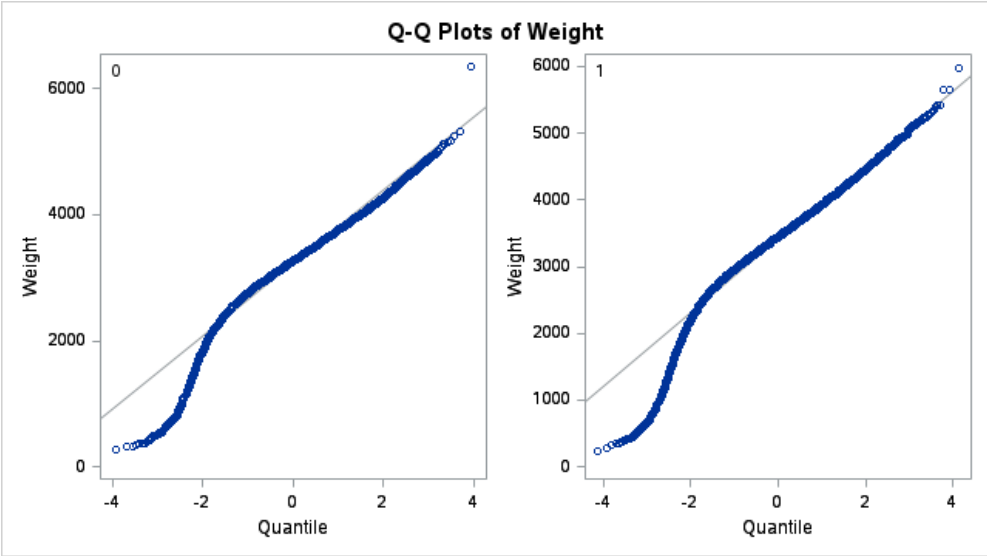
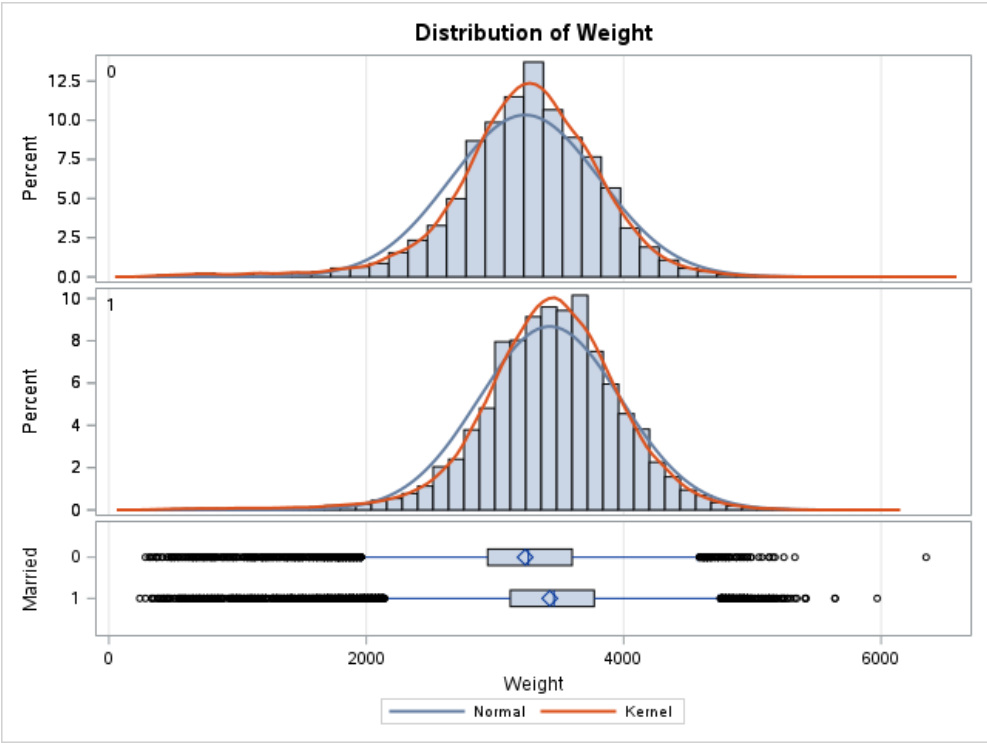


| Married    | Method        | N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|------------|---------------|-------|--------|---------|---------|---------|---------|
| 0          |               | 14369 | 3234.4 | 579.0   | 4.8302  | 284.0   | 6350.0  |
| 1          |               | 35631 | 3425.7 | 551.8   | 2.9231  | 240.0   | 5970.0  |
| Diff (1-2) | Pooled        |       | -191.3 | 559.7   | 5.5315  |         |         |
| Diff (1-2) | Satterthwaite |       | -191.3 |         | 5.6459  |         |         |

| Married    | Method        | Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|------------|---------------|--------|---------------|---------|----------------|
| 0          |               | 3234.4 | 3225.0 3243.9 | 579.0   | 572.4 585.8    |
| 1          |               | 3425.7 | 3420.0 3431.5 | 551.8   | 547.8 555.9    |
| Diff (1-2) | Pooled        | -191.3 | -202.1 -180.5 | 559.7   | 556.3 563.2    |
| Diff (1-2) | Satterthwaite | -191.3 | -202.4 -180.2 |         |                |

| Method        | Variances | DF    | t Value | Pr >  t |
|---------------|-----------|-------|---------|---------|
| Pooled        | Equal     | 49998 | -34.58  | <.0001  |
| Satterthwaite | Unequal   | 25443 | -33.88  | <.0001  |

| Equality of Variances |        |        |         |        |
|-----------------------|--------|--------|---------|--------|
| Method                | Num DF | Den DF | F Value | Pr > F |
| Folded F              | 14368  | 35630  | 1.10    | <.0001 |



The TTEST Procedure

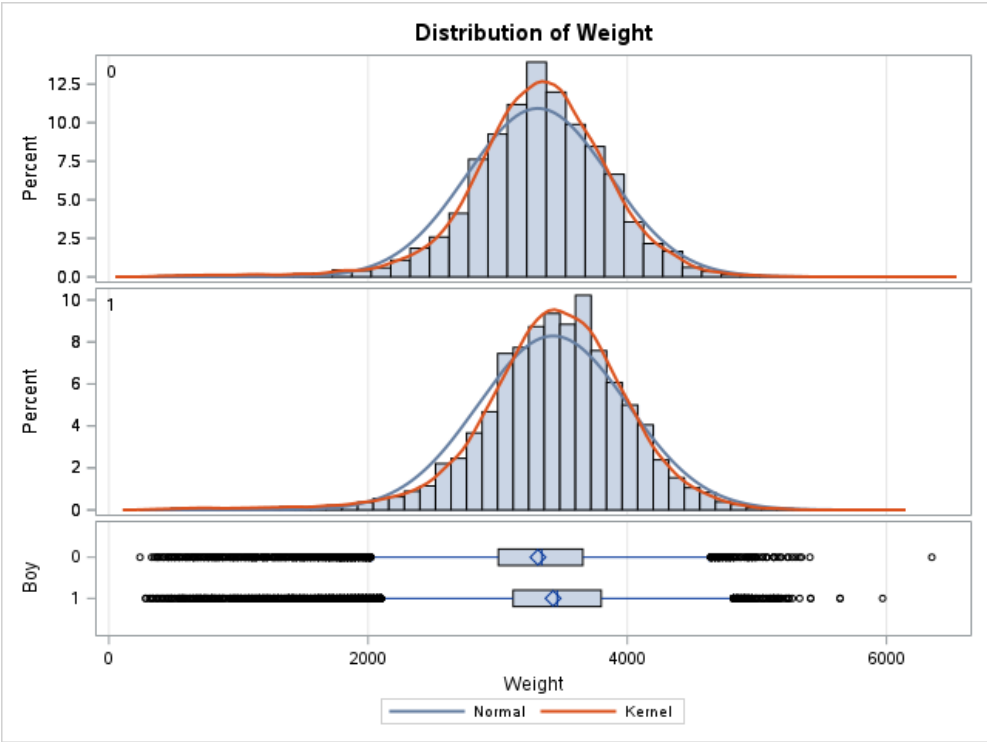
Variable: Weight (Weight)

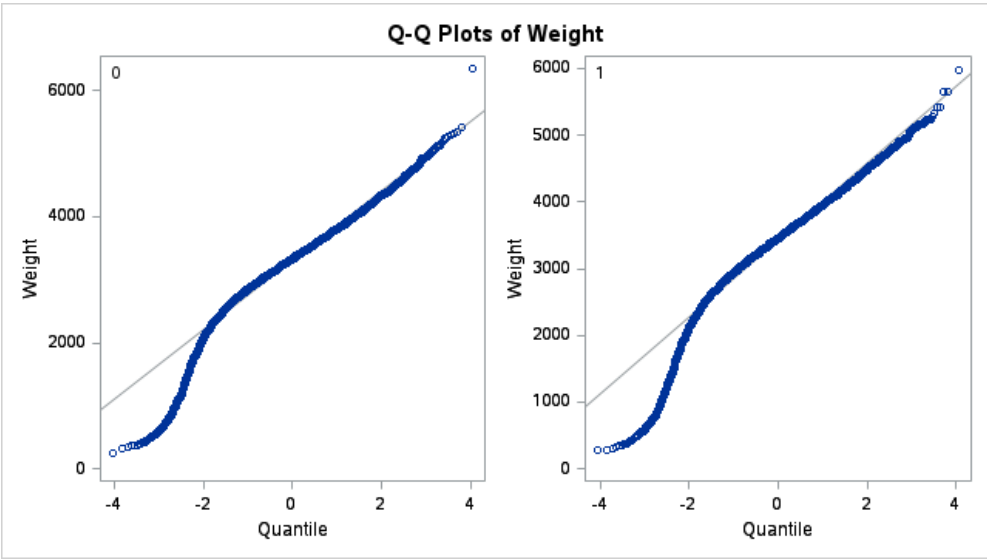
| Boy        | Method        | N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|------------|---------------|-------|--------|---------|---------|---------|---------|
| 0          |               | 24208 | 3310.6 | 547.7   | 3.5204  | 240.0   | 6350.0  |
| 1          |               | 25792 | 3427.3 | 577.7   | 3.5970  | 284.0   | 5970.0  |
| Diff (1-2) | Pooled        |       | -116.7 | 563.4   | 5.0416  |         |         |
| Diff (1-2) | Satterthwaite |       | -116.7 |         | 5.0331  |         |         |

| Boy        | Method        | Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|------------|---------------|--------|---------------|---------|----------------|
| 0          |               | 3310.6 | 3303.7 3317.5 | 547.7   | 542.9 552.7    |
| 1          |               | 3427.3 | 3420.2 3434.3 | 577.7   | 572.7 582.7    |
| Diff (1-2) | Pooled        | -116.7 | -126.6 -106.8 | 563.4   | 559.9 566.9    |
| Diff (1-2) | Satterthwaite | -116.7 | -126.6 -106.8 |         |                |

| Method        | Variances | DF    | t Value | Pr >  t |
|---------------|-----------|-------|---------|---------|
| Pooled        | Equal     | 49998 | -23.15  | <.0001  |
| Satterthwaite | Unequal   | 49993 | -23.18  | <.0001  |

| Equality of Variances |        |        |         |        |
|-----------------------|--------|--------|---------|--------|
| Method                | Num DF | Den DF | F Value | Pr > F |
| Folded F              | 25791  | 24207  | 1.11    | <.0001 |





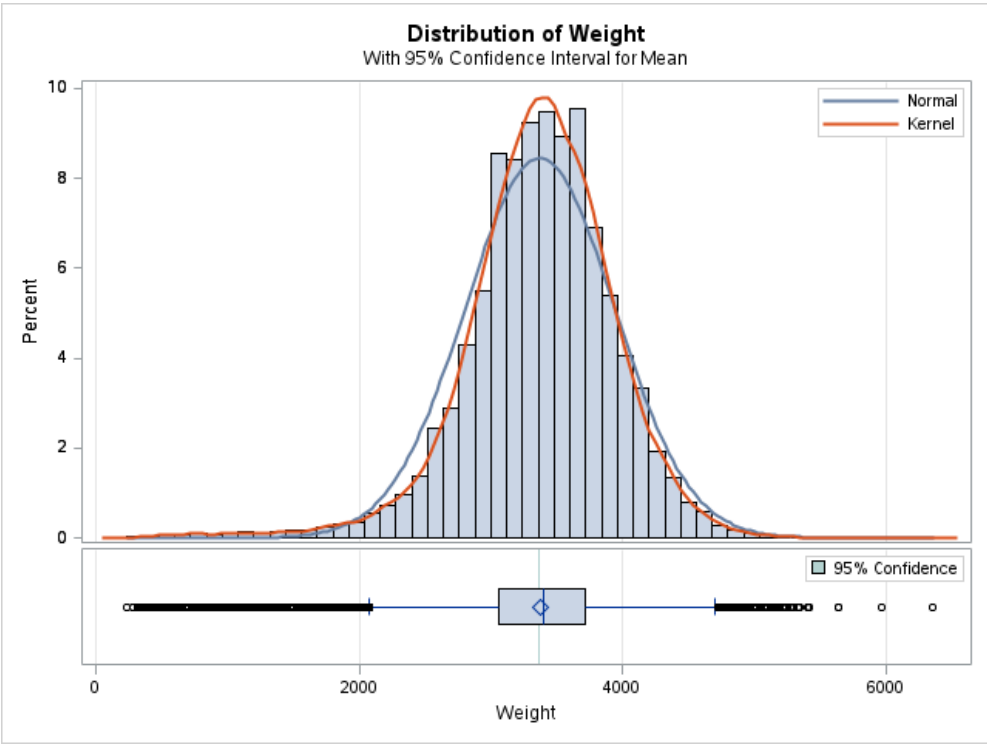
The TTEST Procedure

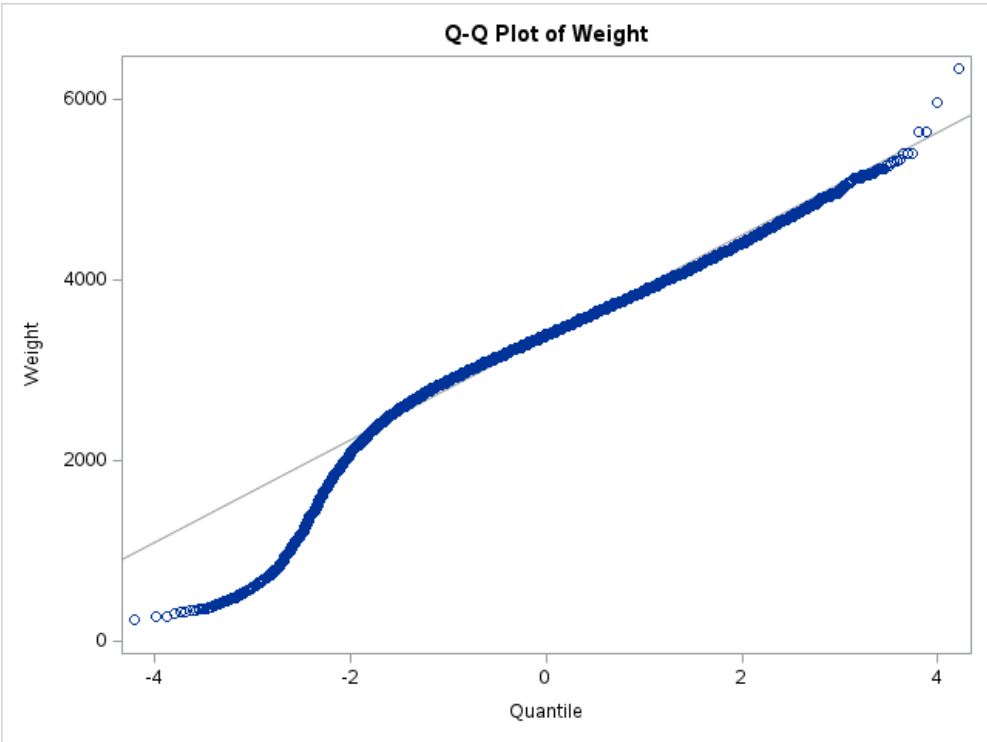
Variable: Weight (Weight)

| N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|-------|--------|---------|---------|---------|---------|
| 50000 | 3370.8 | 566.4   | 2.5330  | 240.0   | 6350.0  |

| Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|--------|---------------|---------|----------------|
| 3370.8 | 3365.8 3375.7 | 566.4   | 562.9 569.9    |

| DF    | t Value | Pr >  t |
|-------|---------|---------|
| 49999 | 1330.76 | <.0001  |



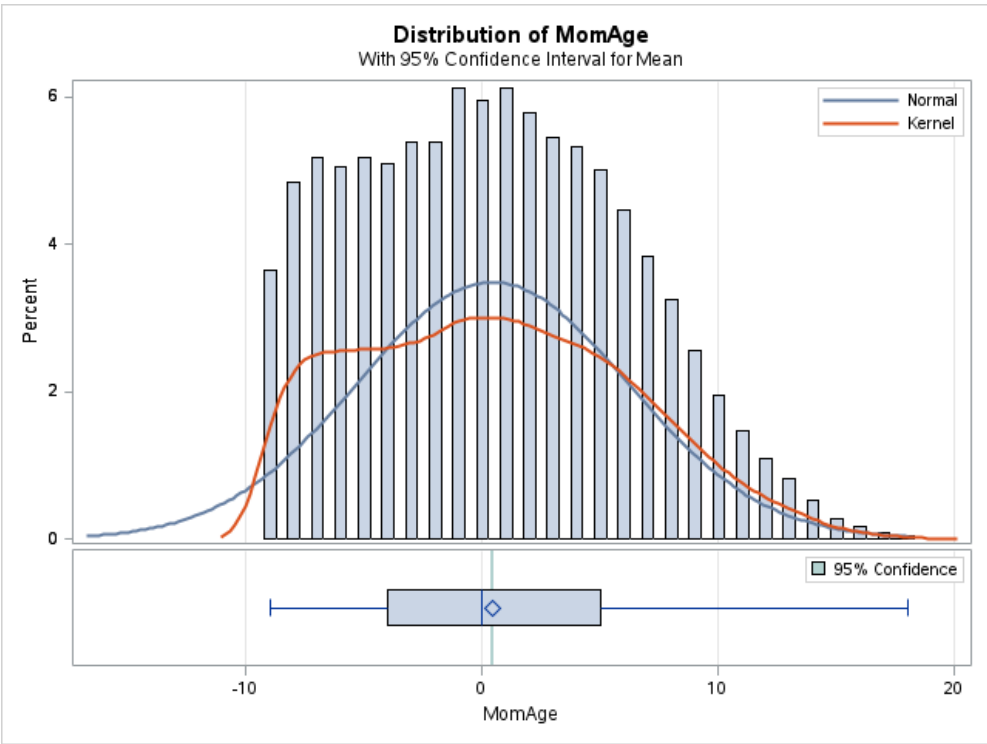


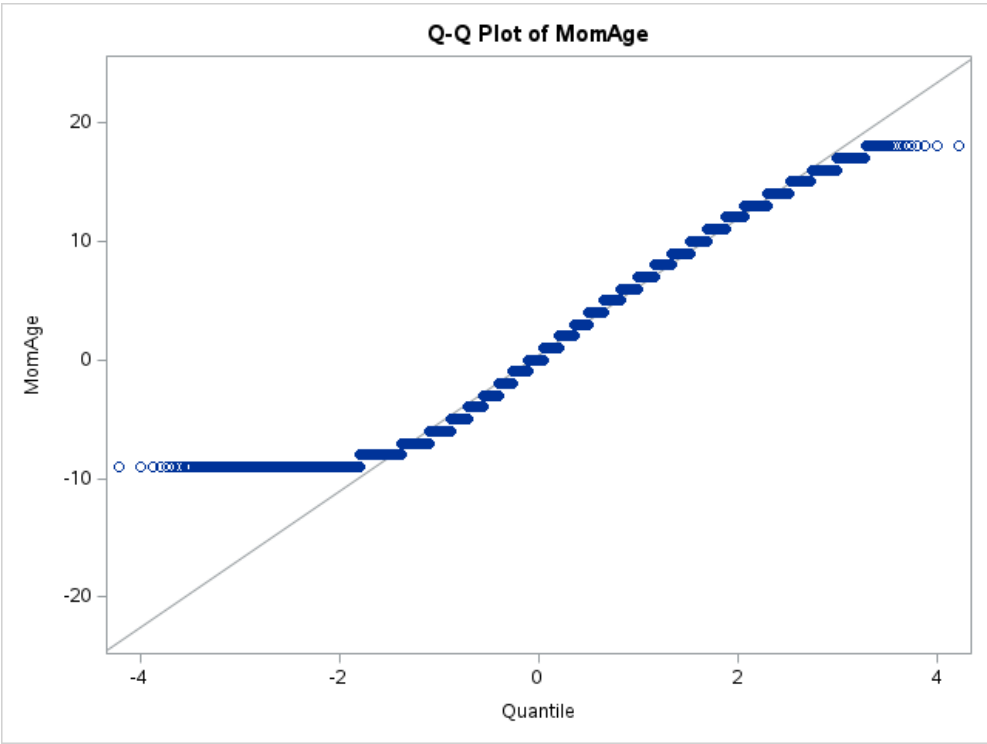
Variable: MomAge (MomAge)

| N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|-------|--------|---------|---------|---------|---------|
| 50000 | 0.4161 | 5.7285  | 0.0256  | -9.0000 | 18.0000 |

| Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|--------|---------------|---------|----------------|
| 0.4161 | 0.3659 0.4664 | 5.7285  | 5.6932 5.7642  |

| DF    | t Value | Pr >  t |
|-------|---------|---------|
| 49999 | 16.24   | <.0001  |





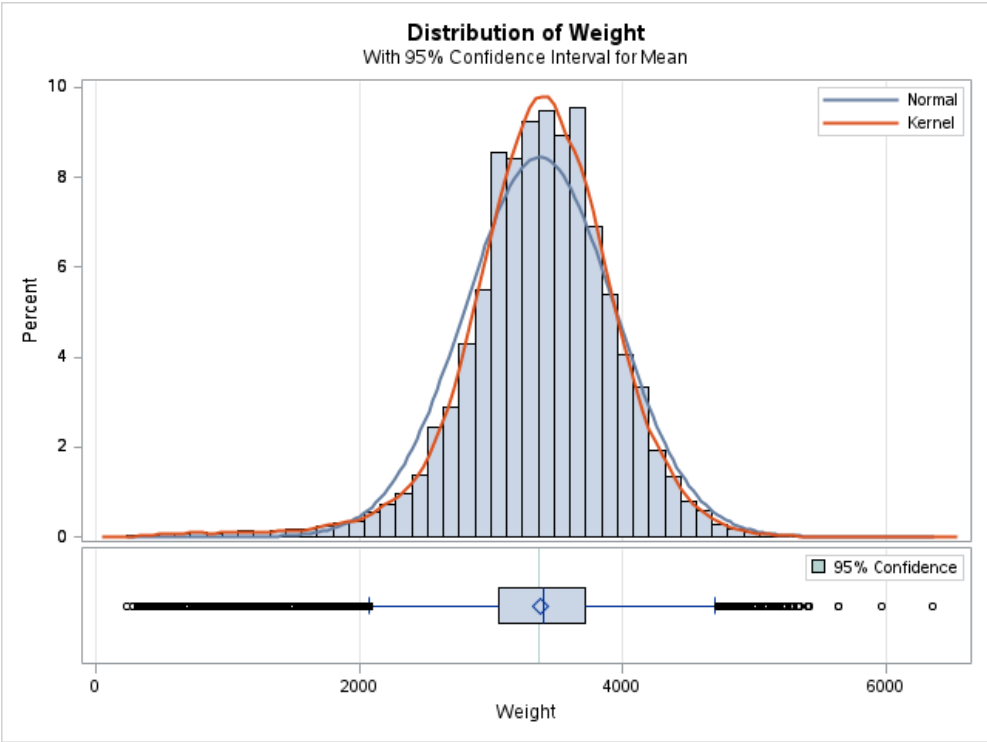
The TTEST Procedure

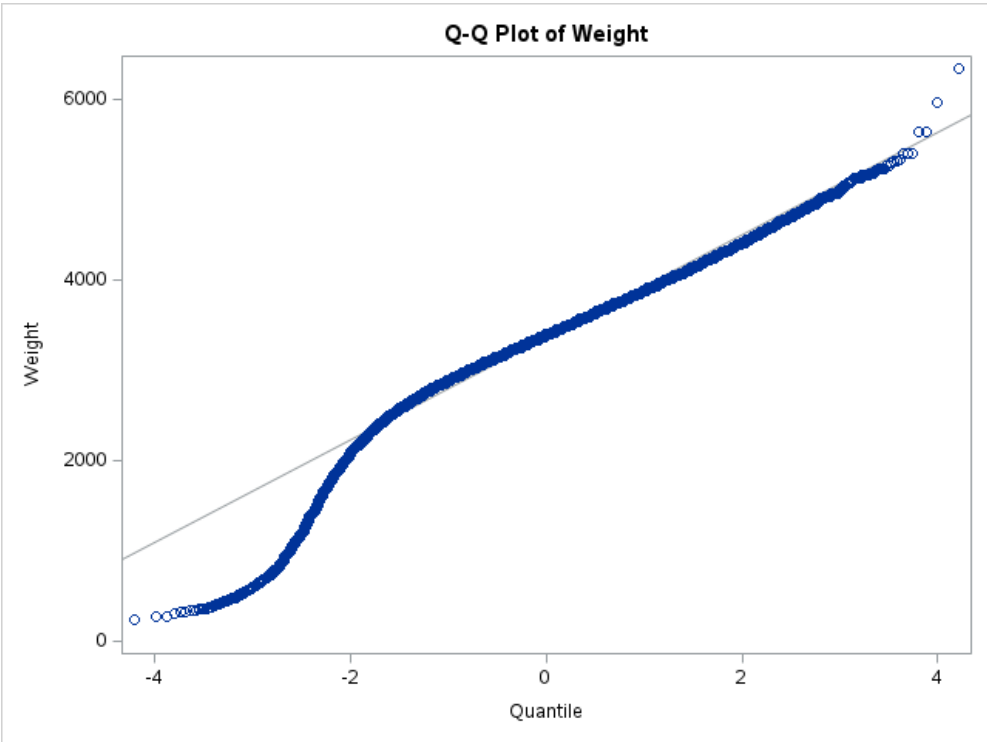
Variable: Weight (Weight)

| N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|-------|--------|---------|---------|---------|---------|
| 50000 | 3370.8 | 566.4   | 2.5330  | 240.0   | 6350.0  |

| Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|--------|---------------|---------|----------------|
| 3370.8 | 3365.8 3375.7 | 566.4   | 562.9 569.9    |

| DF    | t Value | Pr >  t |
|-------|---------|---------|
| 49999 | 1330.76 | <.0001  |



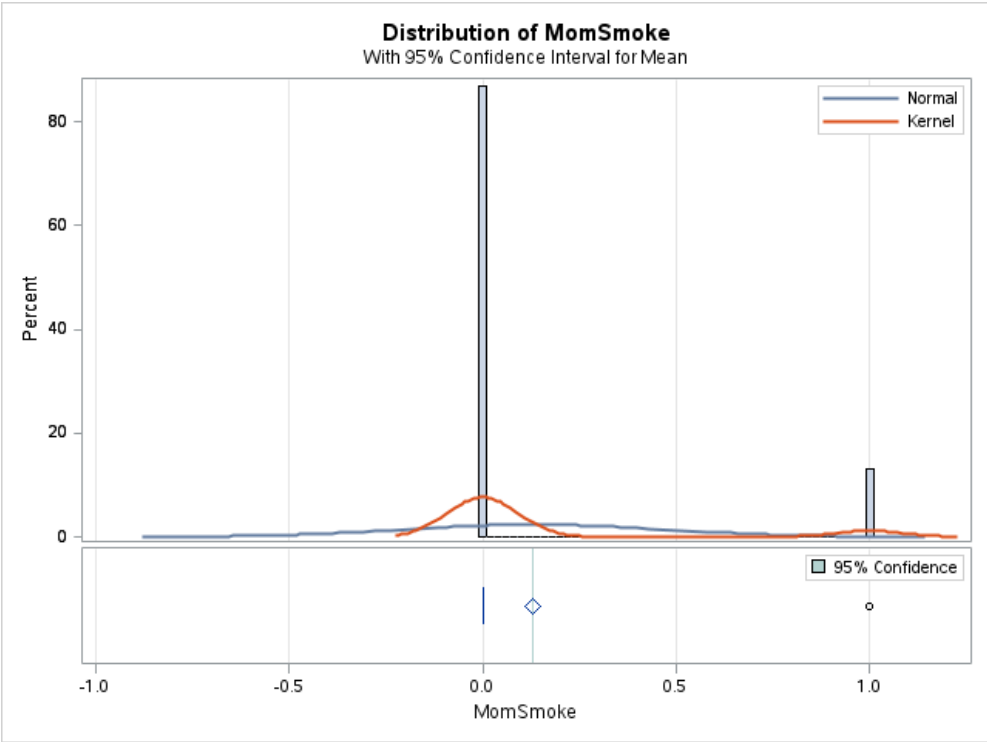


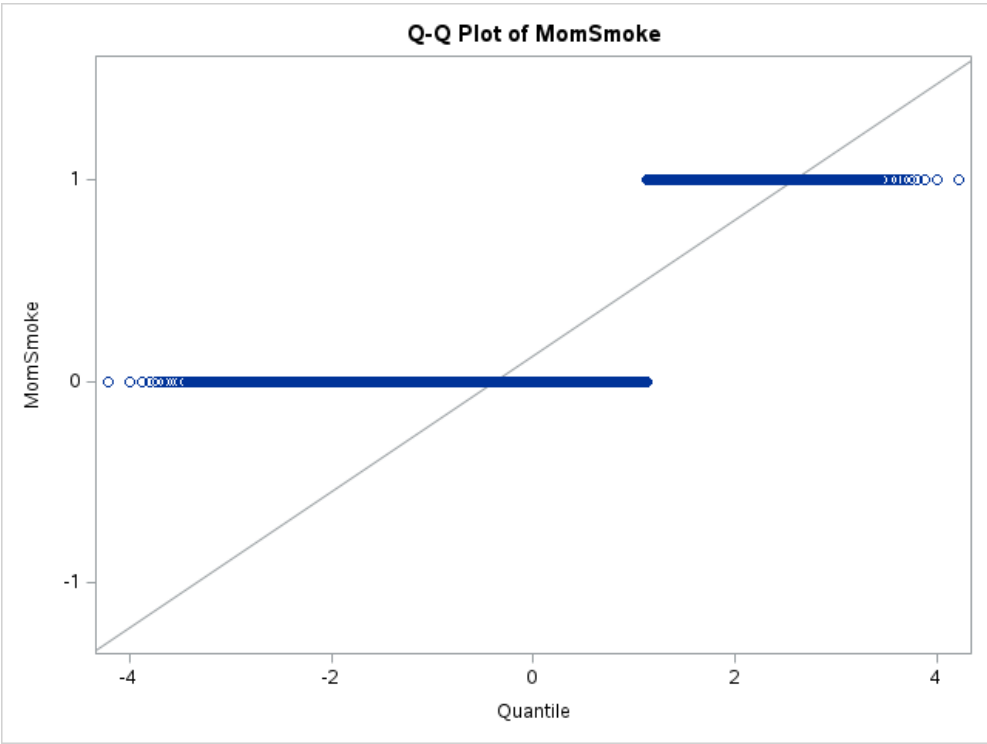
Variable: MomSmoke (MomSmoke)

| N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|-------|--------|---------|---------|---------|---------|
| 50000 | 0.1307 | 0.3370  | 0.00151 | 0       | 1.0000  |

| Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|--------|---------------|---------|----------------|
| 0.1307 | 0.1277 0.1336 | 0.3370  | 0.3350 0.3391  |

| DF    | t Value | Pr >  t |
|-------|---------|---------|
| 49999 | 86.69   | <.0001  |





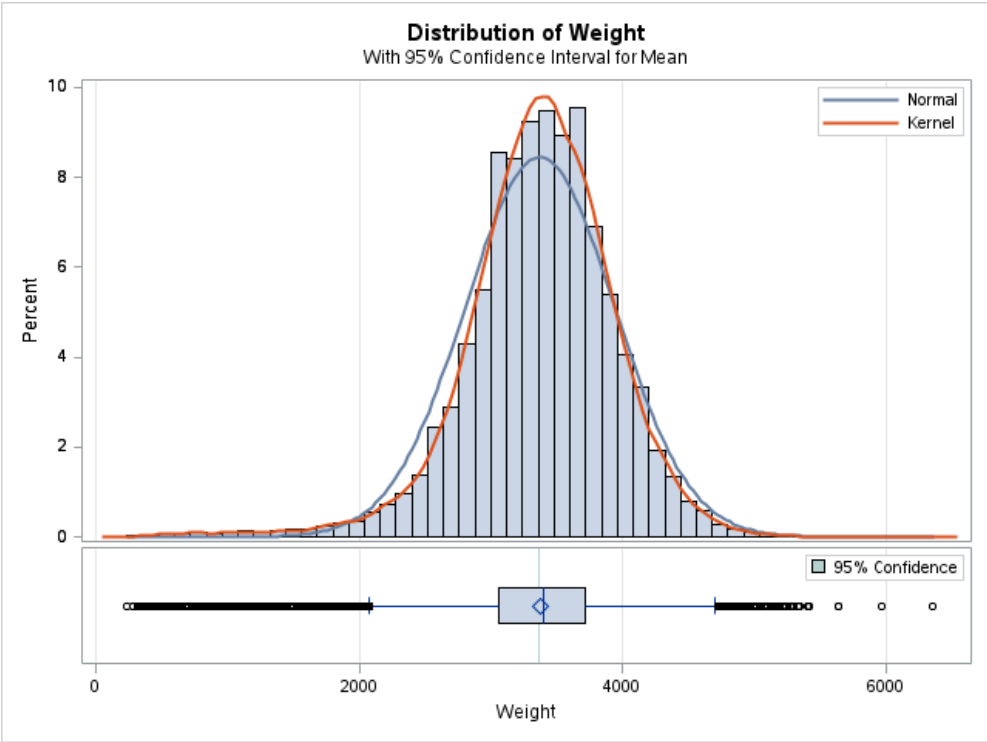
The TTEST Procedure

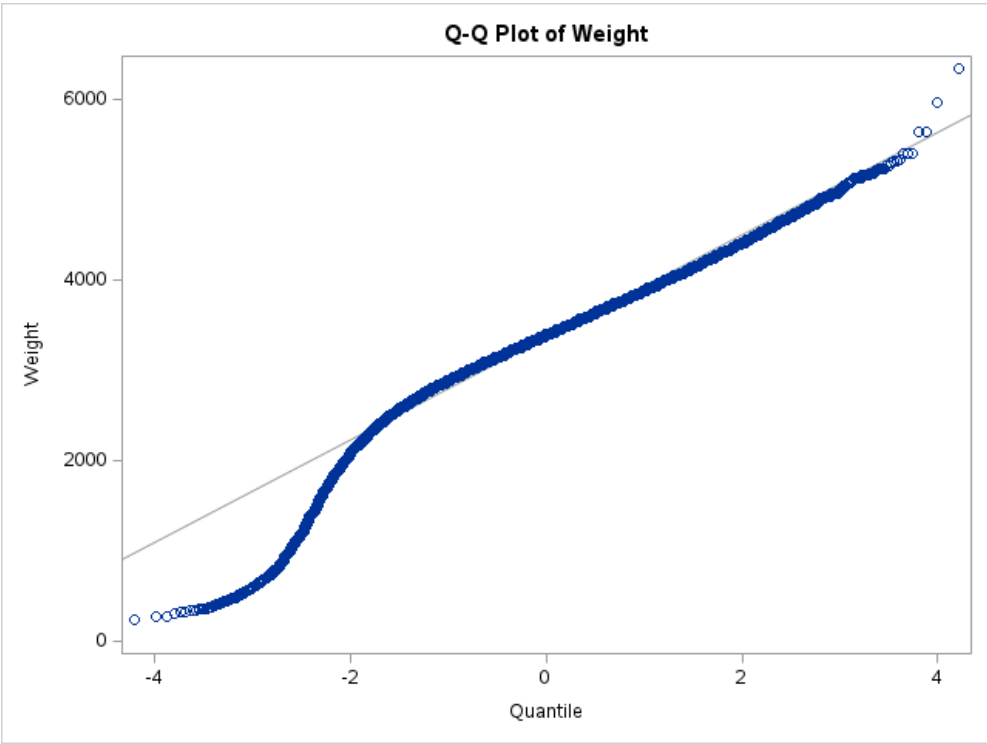
Variable: Weight (Weight)

| N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|-------|--------|---------|---------|---------|---------|
| 50000 | 3370.8 | 566.4   | 2.5330  | 240.0   | 6350.0  |

| Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|--------|---------------|---------|----------------|
| 3370.8 | 3365.8 3375.7 | 566.4   | 562.9 569.9    |

| DF    | t Value | Pr >  t |
|-------|---------|---------|
| 49999 | 1330.76 | <.0001  |



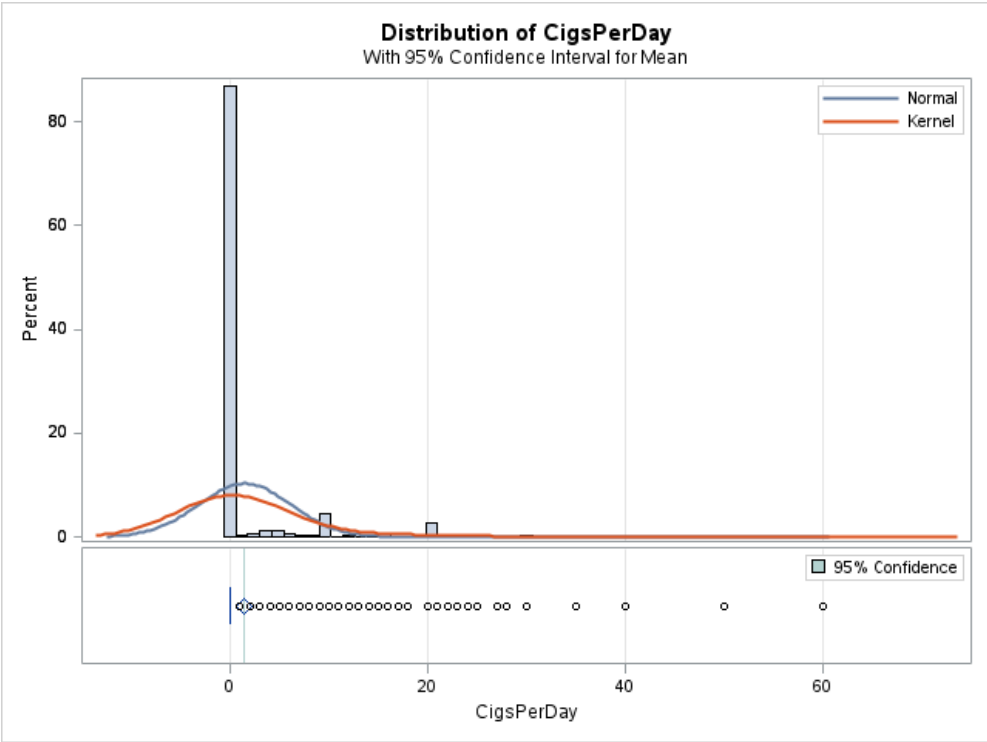


Variable: CigsPerDay (CigsPerDay)

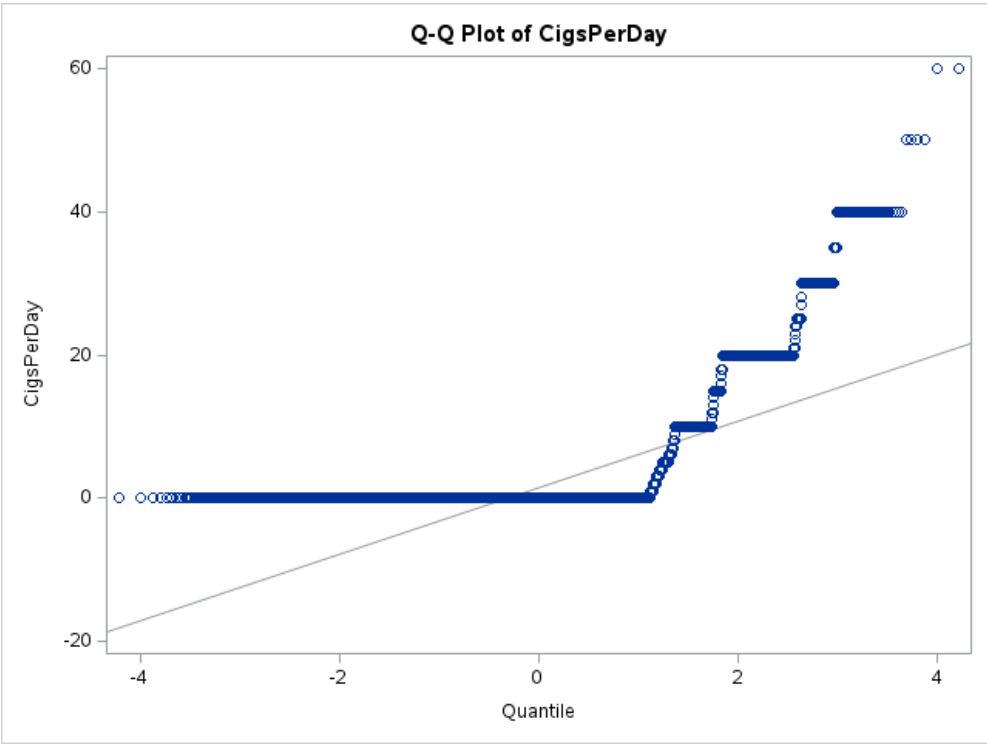
| N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|-------|--------|---------|---------|---------|---------|
| 50000 | 1.4766 | 4.6541  | 0.0208  | 0       | 60.0000 |

| Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|--------|---------------|---------|----------------|
| 1.4766 | 1.4358 1.5174 | 4.6541  | 4.6254 4.6831  |

| DF    | t Value | Pr >  t |
|-------|---------|---------|
| 49999 | 70.94   | <.0001  |







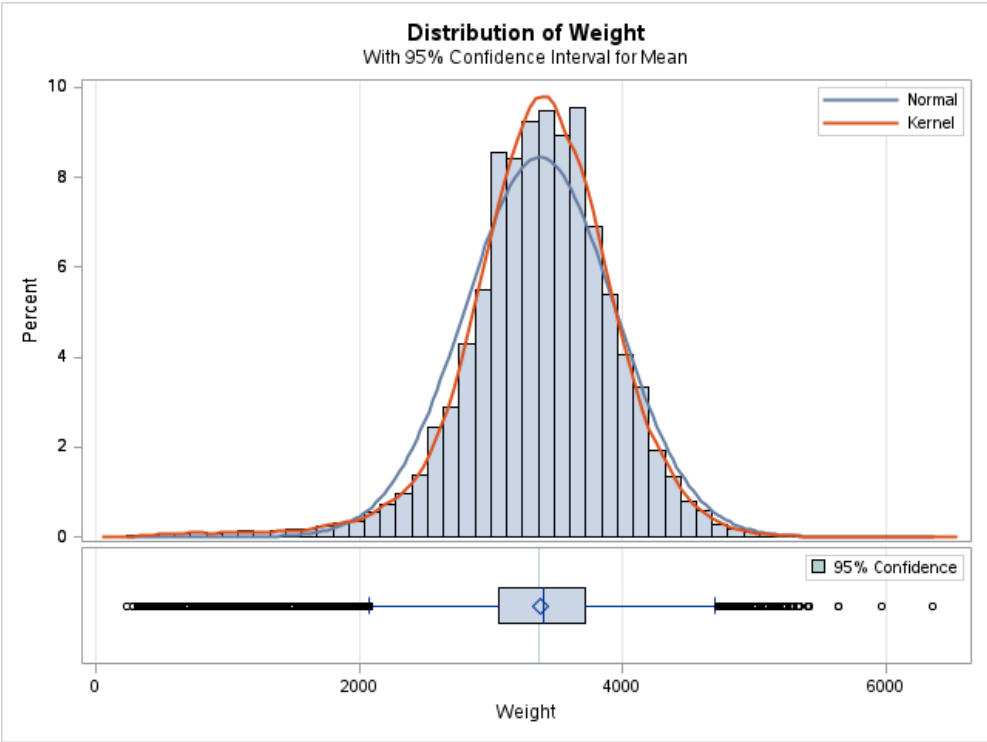
The TTEST Procedure

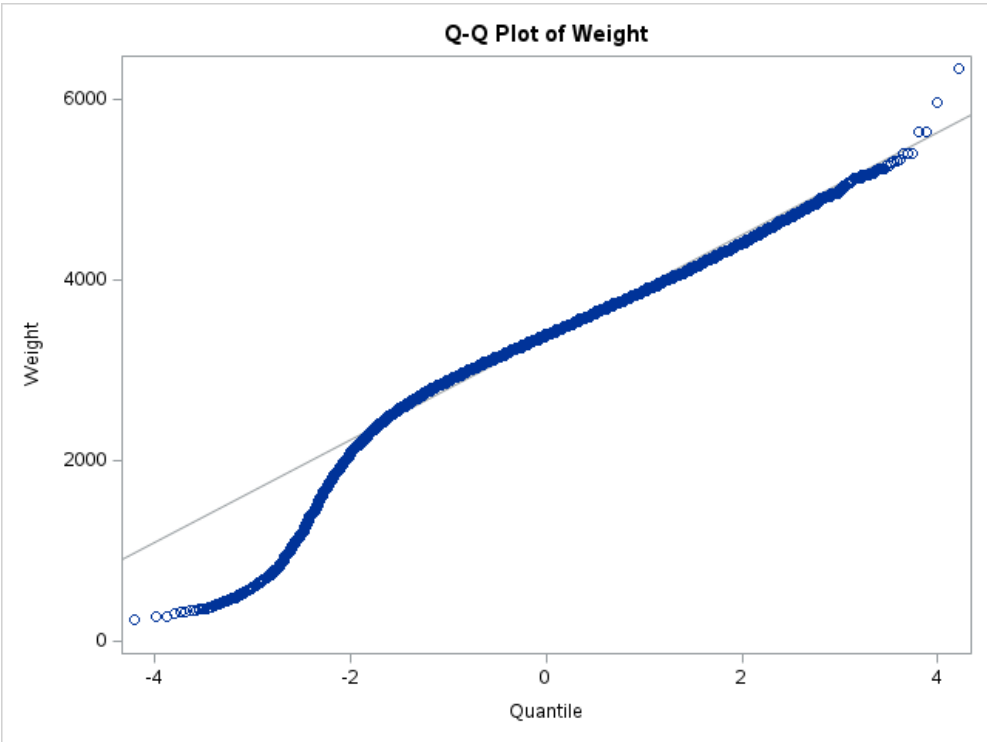
Variable: Weight (Weight)

| N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|-------|--------|---------|---------|---------|---------|
| 50000 | 3370.8 | 566.4   | 2.5330  | 240.0   | 6350.0  |

| Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|--------|---------------|---------|----------------|
| 3370.8 | 3365.8 3375.7 | 566.4   | 562.9 569.9    |

| DF    | t Value | Pr >  t |
|-------|---------|---------|
| 49999 | 1330.76 | <.0001  |



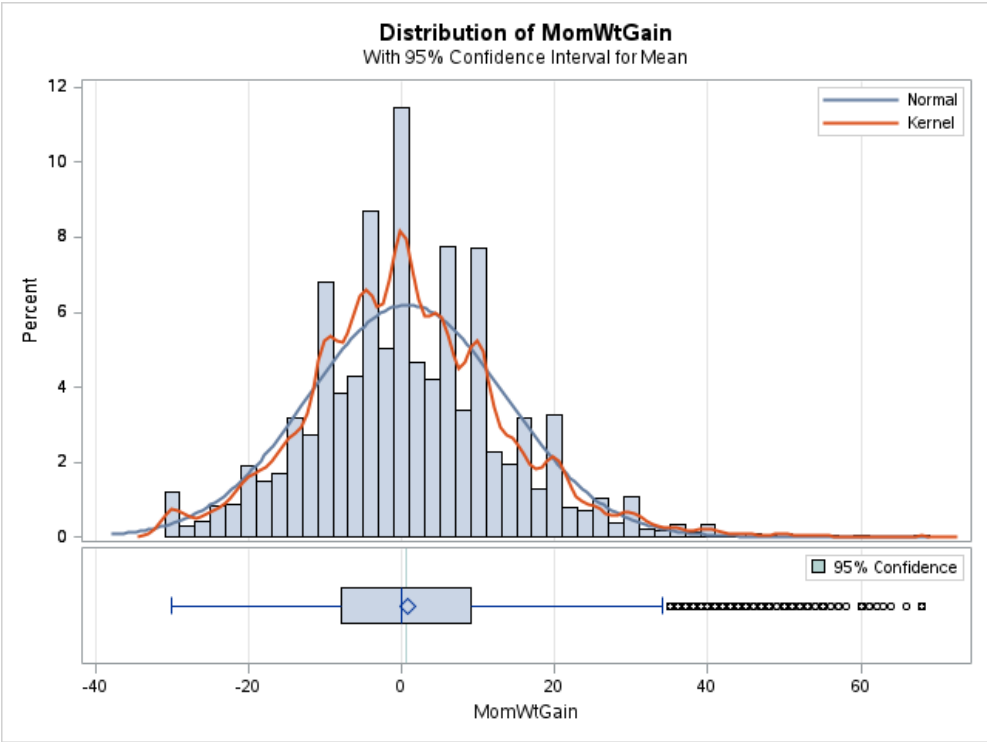


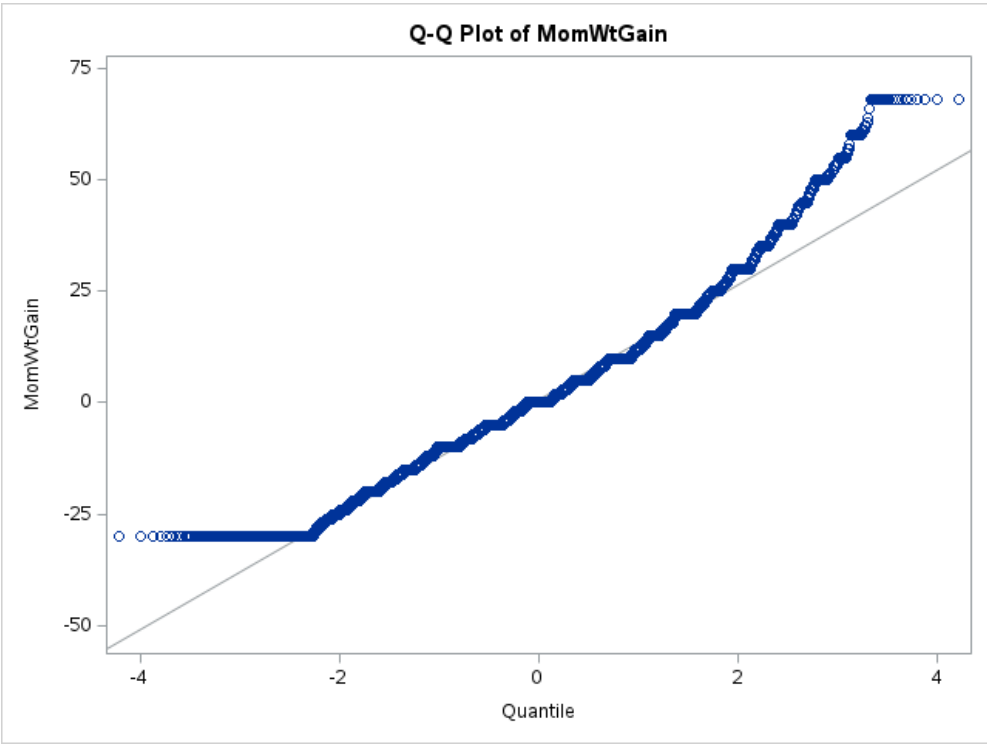
Variable: MomWtGain (MomWtGain)

| N     | Mean   | Std Dev | Std Err | Minimum  | Maximum |
|-------|--------|---------|---------|----------|---------|
| 50000 | 0.7092 | 12.8761 | 0.0576  | -30.0000 | 68.0000 |

| Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev  |
|--------|---------------|---------|-----------------|
| 0.7092 | 0.5964 0.8221 | 12.8761 | 12.7968 12.9564 |

| DF    | t Value | Pr >  t |
|-------|---------|---------|
| 49999 | 12.32   | <.0001  |





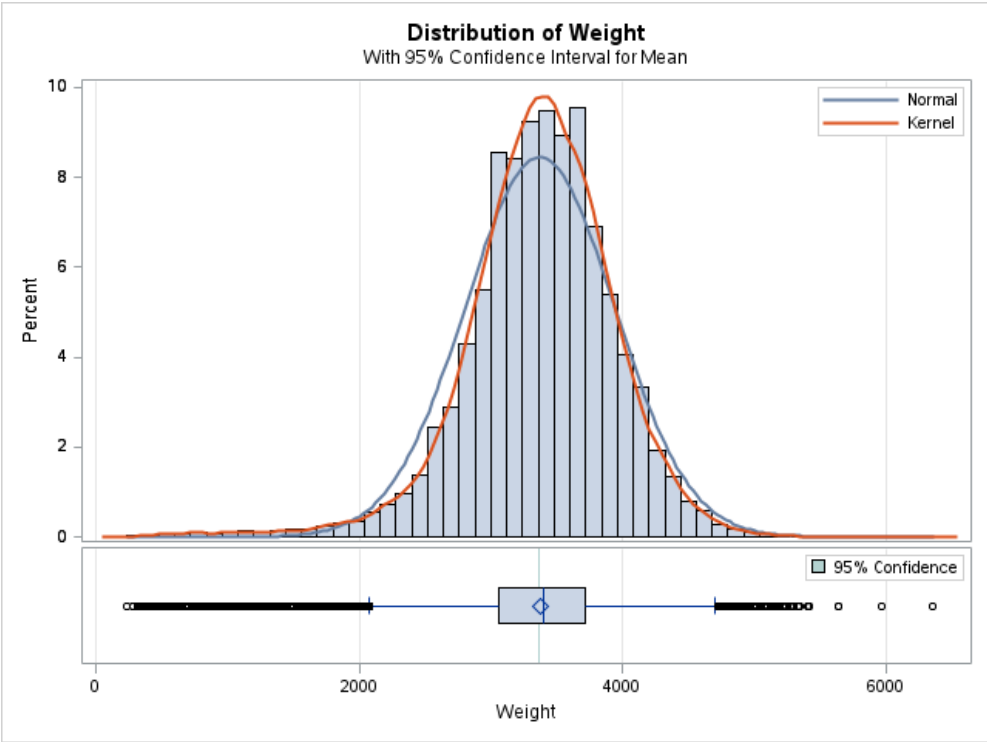
The TTEST Procedure

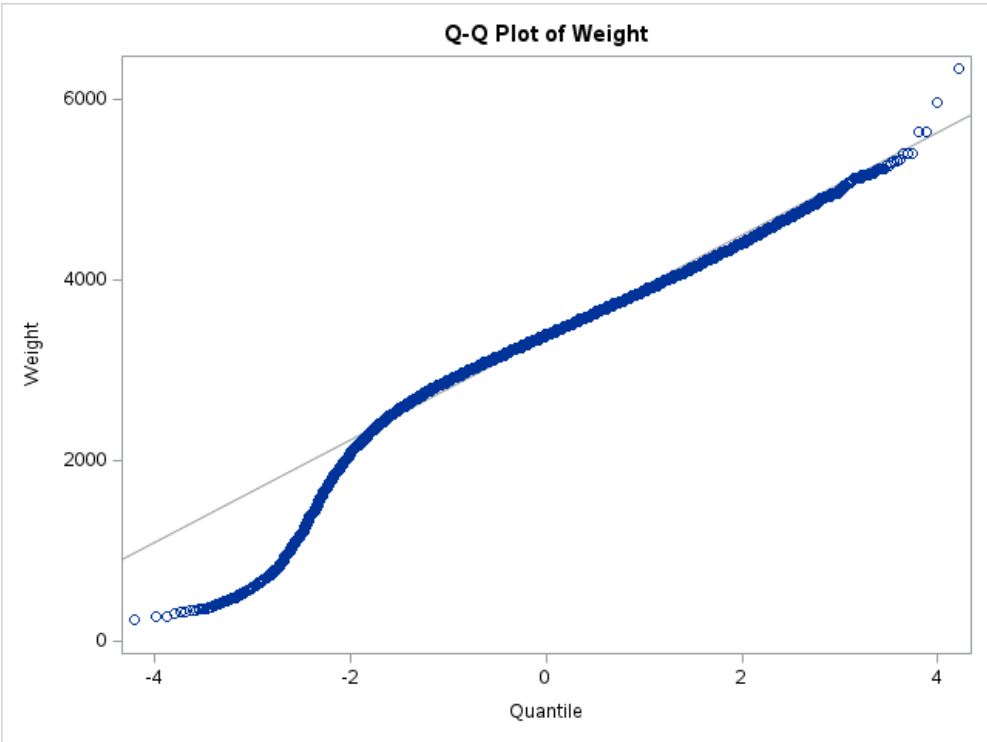
Variable: Weight (Weight)

| N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|-------|--------|---------|---------|---------|---------|
| 50000 | 3370.8 | 566.4   | 2.5330  | 240.0   | 6350.0  |

| Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|--------|---------------|---------|----------------|
| 3370.8 | 3365.8 3375.7 | 566.4   | 562.9 569.9    |

| DF    | t Value | Pr >  t |
|-------|---------|---------|
| 49999 | 1330.76 | <.0001  |



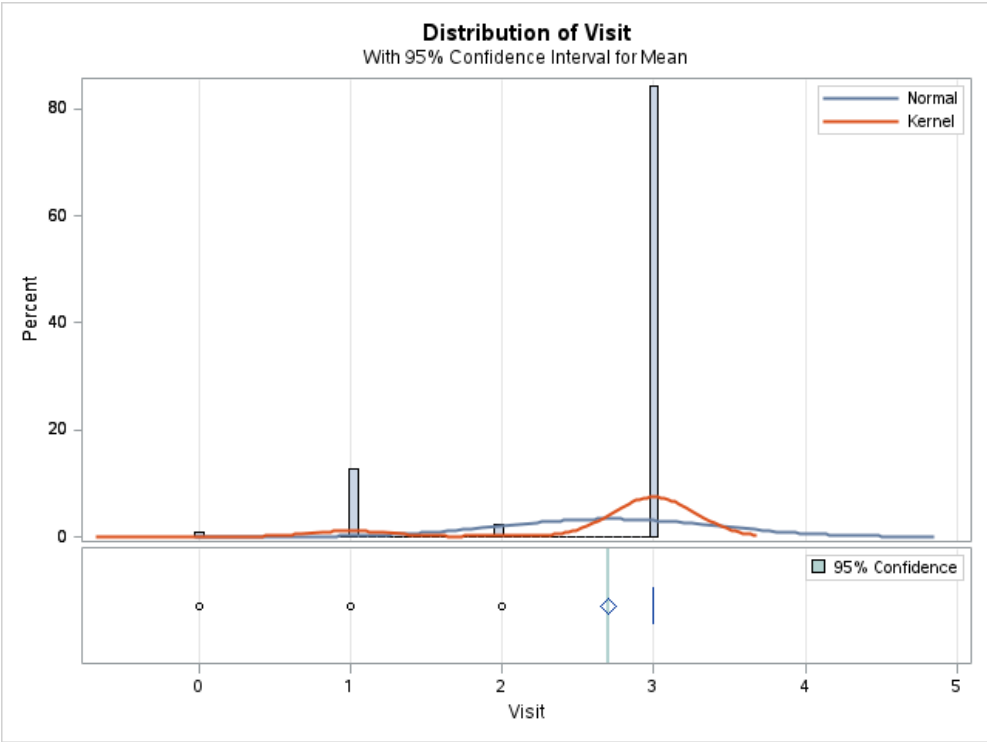


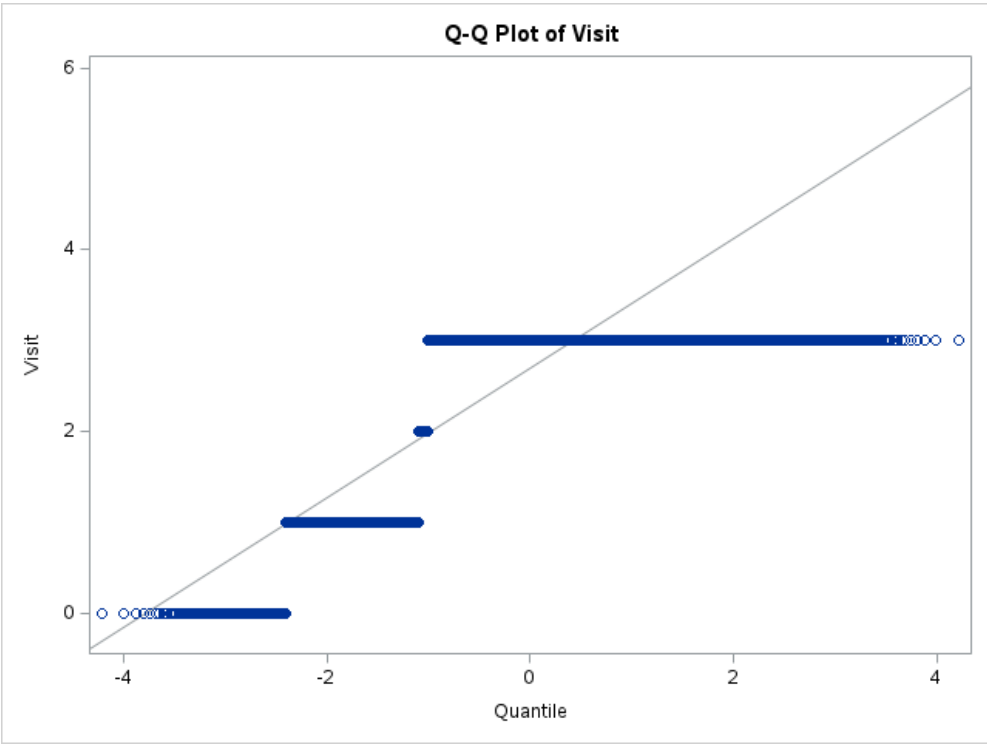
Variable: Visit (Visit)

| N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|-------|--------|---------|---------|---------|---------|
| 50000 | 2.7000 | 0.7155  | 0.00320 | 0       | 3.0000  |

| Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|--------|---------------|---------|----------------|
| 2.7000 | 2.6937 2.7063 | 0.7155  | 0.7111 0.7200  |

| DF    | t Value | Pr >  t |
|-------|---------|---------|
| 49999 | 843.79  | <.0001  |





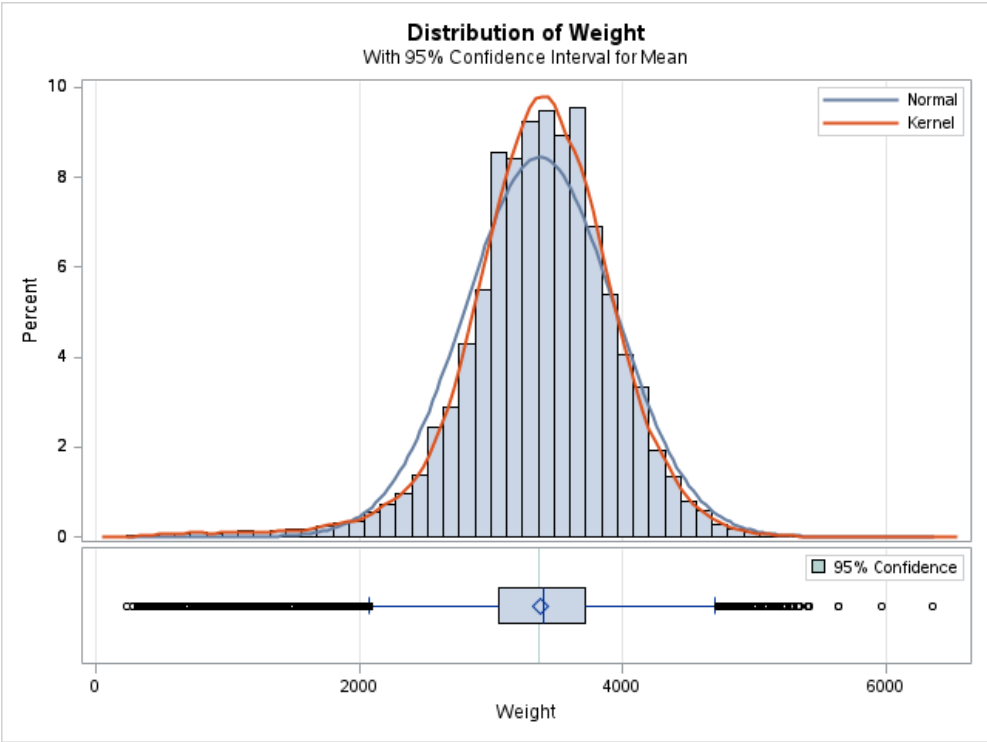
The TTEST Procedure

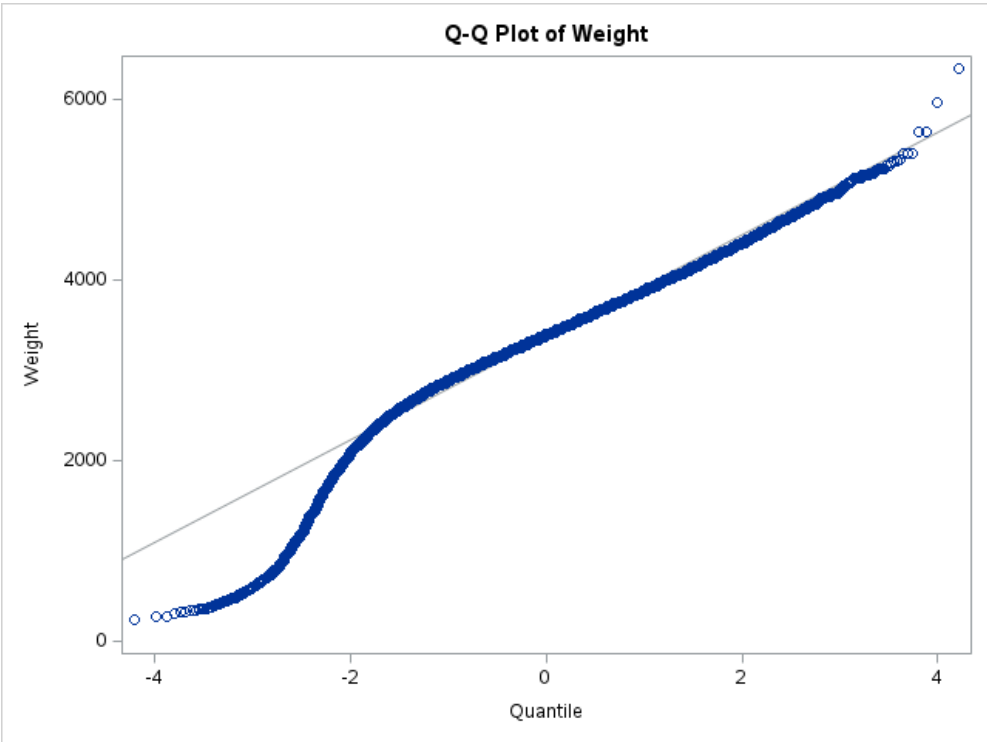
Variable: Weight (Weight)

| N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|-------|--------|---------|---------|---------|---------|
| 50000 | 3370.8 | 566.4   | 2.5330  | 240.0   | 6350.0  |

| Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|--------|---------------|---------|----------------|
| 3370.8 | 3365.8 3375.7 | 566.4   | 562.9 569.9    |

| DF    | t Value | Pr >  t |
|-------|---------|---------|
| 49999 | 1330.76 | <.0001  |



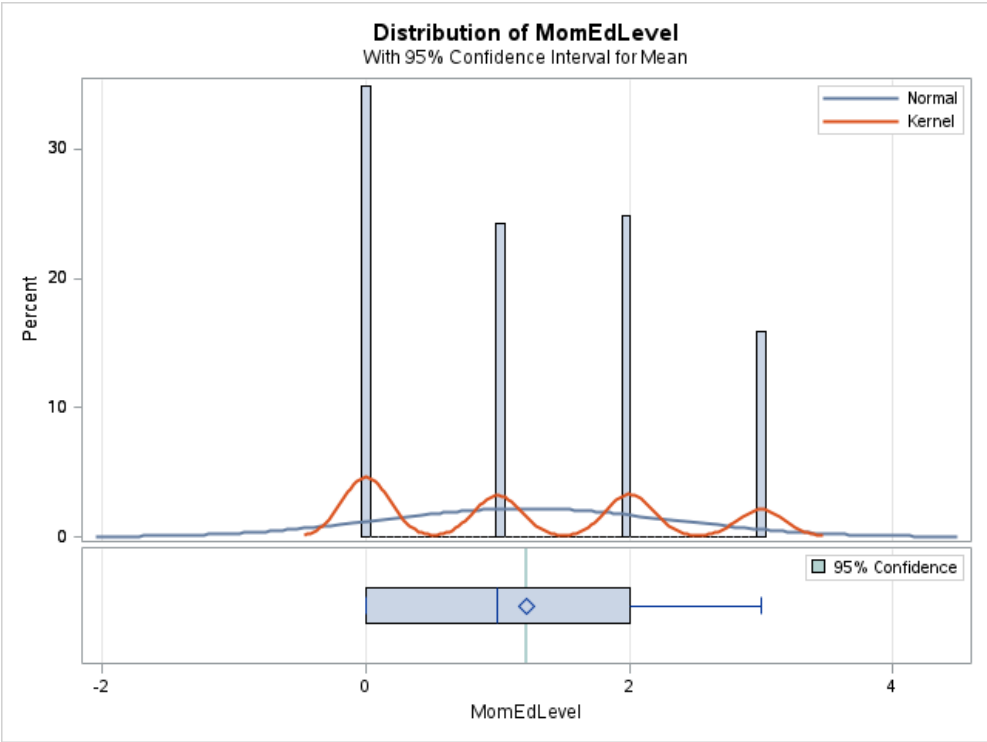


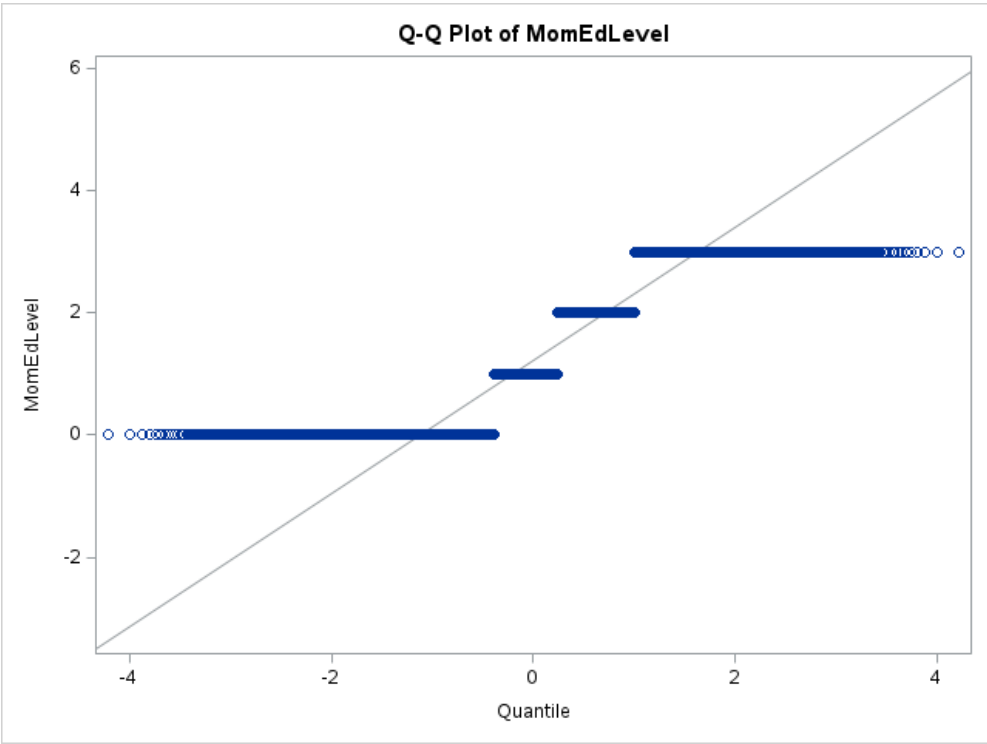
Variable: MomEdLevel (MomEdLevel)

| N     | Mean   | Std Dev | Std Err | Minimum | Maximum |
|-------|--------|---------|---------|---------|---------|
| 50000 | 1.2189 | 1.0899  | 0.00487 | 0       | 3.0000  |

| Mean   | 95% CL Mean   | Std Dev | 95% CL Std Dev |
|--------|---------------|---------|----------------|
| 1.2189 | 1.2094 1.2285 | 1.0899  | 1.0832 1.0967  |

| DF    | t Value | Pr >  t |
|-------|---------|---------|
| 49999 | 250.08  | <.0001  |





Procedure

Procedure