**Log Files/ Output**

# Frequencies

| | | Which country do you currently live in (e.g., Canada, United States, Australia, etc.)? | Please indicate if you are: - Selected Choice | Please indicate your ethnicity - Selected Choice | What is the highest level of education you have attained? | Are you living with a partner or spouse? | What is your current employment status? |
|---|---|---|---|---|---|---|---|
| N | Valid | 172 | 172 | 172 | 172 | 172 | 171 |
| | Missing | 0 | 0 | 0 | 0 | 0 | 1 |

# Frequency Table

## Which country do you currently live in (e.g., Canada, United States, Australia, etc.)?

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---|---|---|---|---|---|
| Valid | Australia | 7 | 4.1 | 4.1 | 4.1 |
| | Canada | 61 | 35.5 | 35.5 | 39.5 |
| | Ireland | 8 | 4.7 | 4.7 | 44.2 |
| | Latvia | 1 | .6 | .6 | 44.8 |
| | New Zealand | 21 | 12.2 | 12.2 | 57.0 |
| | Northern Ireland | 7 | 4.1 | 4.1 | 61.0 |
| | Scotland | 5 | 2.9 | 2.9 | 64.0 |
| | United Kingdom | 29 | 16.9 | 16.9 | 80.8 |
| | United States | 33 | 19.2 | 19.2 | 100.0 |
| | Total | 172 | 100.0 | 100.0 | |

## Please indicate if you are: - Selected Choice

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---|---|---|---|---|---|
| Valid | Male | 40 | 23.3 | 23.3 | 23.3 |
| | Female | 132 | 76.7 | 76.7 | 100.0 |
| | Total | 172 | 100.0 | 100.0 | |

## Please indicate your ethnicity - Selected Choice

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---|---|---|---|---|---|
| Valid | Caucasian/White | 163 | 94.8 | 94.8 | 94.8 |
| | Hispanic or Latino | 1 | .6 | .6 | 95.3 |
| | Aboriginal | 1 | .6 | .6 | 95.9 |
| | Asian | 3 | 1.7 | 1.7 | 97.7 |
| | Black/African-Canadian | 1 | .6 | .6 | 98.3 |
| | Other, please specify ... | 3 | 1.7 | 1.7 | 100.0 |
| | Total | 172 | 100.0 | 100.0 | |

## What is the highest level of education you have attained?

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---|---|---|---|---|---|
| Valid | Less than high school | 4 | 2.3 | 2.3 | 2.3 |
| | High school or GED | 34 | 19.8 | 19.8 | 22.1 |
| | Some college/university | 31 | 18.0 | 18.0 | 40.1 |
| | Graduate from college/university | 67 | 39.0 | 39.0 | 79.1 |
| | Some graduate or professional school after college/university | 8 | 4.7 | 4.7 | 83.7 |
| | Graduate from graduate or professional school after college/university | 28 | 16.3 | 16.3 | 100.0 |
| | Total | 172 | 100.0 | 100.0 | |

## Are you living with a partner or spouse?

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---|---|---|---|---|---|
| Valid | No | 57 | 33.1 | 33.1 | 33.1 |
| | Yes | 115 | 66.9 | 66.9 | 100.0 |
| | Total | 172 | 100.0 | 100.0 | |

## What is your current employment status?

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---|---|---|---|---|---|
| Valid | Employed | 113 | 65.7 | 66.1 | 66.1 |

| | | | | | |
|---|---|---|---|---|---|
| | Unemployed | 16 | 9.3 | 9.4 | 75.4 |
| | Retired | 10 | 5.8 | 5.8 | 81.3 |
| | Disabled | 16 | 9.3 | 9.4 | 90.6 |
| | Student | 16 | 9.3 | 9.4 | 100.0 |
| | Total | 171 | 99.4 | 100.0 | |
| Missing | System | 1 | .6 | | |
| Total | | 172 | 100.0 | | |

**Which diagnosis of Inflammatory Bowel Disease have you received?**

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---|---|---|---|---|---|
| Valid | Crohn's Disease | 96 | 55.8 | 55.8 | 55.8 |
| | Ulcerative Colitis | 59 | 34.3 | 34.3 | 90.1 |
| | Both | 17 | 9.9 | 9.9 | 100.0 |
| | Total | 172 | 100.0 | 100.0 | |

**Prior to the age of 17, did you experience a death of a very close friend or family member?**

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---|---|---|---|---|---|
| Valid | No | 71 | 41.3 | 41.3 | 41.3 |
| | Yes | 101 | 58.7 | 58.7 | 100.0 |
| | Total | 172 | 100.0 | 100.0 | |

**Prior to the age of 17, was there a major upheaval between your parents (such as divorce, separation)?**

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---|---|---|---|---|---|
| Valid | No | 99 | 57.6 | 57.6 | 57.6 |
| | Yes | 73 | 42.4 | 42.4 | 100.0 |
| | Total | 172 | 100.0 | 100.0 | |

**Prior to the age of 17, did you have a traumatic sexual experience (raped, molested, etc.)?**

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Valid | No | 129 | 75.0 | 75.0 | 75.0 |
| | Yes | 43 | 25.0 | 25.0 | 100.0 |
| | Total | 172 | 100.0 | 100.0 | |

**Prior to the age of 17, were you the victim of violence (child abuse, mugged or assaulted -- other than sexual)?**

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---|---|---|---|---|---|
| Valid | No | 131 | 76.2 | 76.2 | 76.2 |
| | Yes | 41 | 23.8 | 23.8 | 100.0 |
| | Total | 172 | 100.0 | 100.0 | |

**Prior to the age of 17, were you extremely ill or injured?**

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---|---|---|---|---|---|
| Valid | No | 119 | 69.2 | 69.6 | 69.6 |
| | Yes | 52 | 30.2 | 30.4 | 100.0 |
| | Total | 171 | 99.4 | 100.0 | |
| Missing | System | 1 | .6 | | |
| Total | | 172 | 100.0 | | |

**Prior to the age of 17, did you experience any other major upheaval that you think may have shaped your life or personality significantly?**

| | | Frequency | Percent | Valid Percent | Cumulative Percent |
|---|---|---|---|---|---|
| Valid | No | 101 | 58.7 | 58.7 | 58.7 |
| | Yes | 71 | 41.3 | 41.3 | 100.0 |
| | Total | 172 | 100.0 | 100.0 | |

```
DESCRIPTIVES VARIABLES=Demo_DOB_2
  /STATISTICS=MEAN STDDEV MIN MAX.
```

# Descriptives

**Descriptive Statistics**

| | N | Minimum | Maximum | Mean | Std. Deviation |
|---|---|---|---|---|---|
| What is your date of birth? - Year | 170 | 1940.00 | 2000.00 | 1978.4941 | 12.87732 |
| Valid N (listwise) | 170 | | | | |

```
ONEWAY SBQR_HT BY Demo_DOB_2
  /MISSING ANALYSIS.
```

# Oneway

**ANOVA**

SBQ-R Holden Total

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 513.199 | 50 | 10.264 | .864 | .717 |
| Within Groups | 1414.454 | 119 | 11.886 | | |
| Total | 1927.653 | 169 | | | |

```
ONEWAY SBQR_HT BY Demo_Gender
  /MISSING ANALYSIS.
```

# Oneway

**ANOVA**

SBQ-R Holden Total

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 6.427 | 1 | 6.427 | .545 | .461 |
| Within Groups | 2004.892 | 170 | 11.793 | | |
| Total | 2011.320 | 171 | | | |

```
ONEWAY SBQR_HT BY Demo_IBD_Type
  /MISSING ANALYSIS.
```

# Oneway

## ANOVA

SBQ-R Holden Total

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 10.733 | 2 | 5.367 | .453 | .636 |
| Within Groups | 2000.586 | 169 | 11.838 | | |
| Total | 2011.320 | 171 | | | |

```
ONEWAY SBQR_HT BY Demo_Country2
  /MISSING ANALYSIS.
```

# Oneway

## ANOVA

SBQ-R Holden Total

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 136.968 | 8 | 17.121 | 1.489 | .165 |
| Within Groups | 1874.352 | 163 | 11.499 | | |
| Total | 2011.320 | 171 | | | |

```
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/* www.afhayes.com */.
/* www.processmacro.org */.
/* Copyright 2017-2020 by Andrew F. Hayes */.
/* Documented in http://www.guilford.com/p/hayes3 */.
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*****************

         Written by Andrew F. Hayes, Ph.D.      www.afhayes.com
    Documentation available in Hayes (2018). www.guilford.com/p/hayes3

**************************************************************************
******
Model  : 7
    Y  : SBQR_HT
    X  : CTES_T
    M  : PHQ9_HT
    W  : BRS_HT

Sample
Size:  172

**************************************************************************
******
OUTCOME VARIABLE:
 PHQ9_HT

Model Summary
         R      R-sq       MSE         F       df1       df2         p
     .5714     .3264   28.9163   27.1405    3.0000   168.0000
.0000

Model
            coeff        se         t         p      LLCI      ULCI
constant   19.7023    2.7915    7.0581     .0000   14.1915
25.2132
CTES_T       .2330     .2118    1.1001     .2728    -.1851     .6511
BRS_HT     -3.7735     .9148   -4.1250     .0001   -5.5795
-1.9676
Int_1       -.0191     .0749    -.2553     .7988    -.1669     .1287
```

```
Product terms key:
 Int_1    :       CTES_T   x       BRS_HT

Test(s) of highest order unconditional interaction(s):
      R2-chng         F       df1       df2         p
X*W     .0003     .0652    1.0000   168.0000     .7988

**************************************************************************
******
OUTCOME VARIABLE:
 SBQR_HT

Model Summary
         R      R-sq       MSE         F       df1       df2         p
     .5700     .3250    8.0339   40.6767    2.0000   169.0000
.0000

Model
            coeff         se         t         p      LLCI      ULCI
constant    2.9603     .4627    6.3974     .0000    2.0468
3.8738
CTES_T       .0975     .0303    3.2153     .0016     .0377     .1574
PHQ9_HT      .2461     .0351    7.0089     .0000     .1768     .3155

****************** DIRECT AND INDIRECT EFFECTS OF X ON Y *****************

Direct effect of X on Y
    Effect         se         t         p      LLCI      ULCI
     .0975     .0303    3.2153     .0016     .0377     .1574

Conditional indirect effects of X on Y:

INDIRECT EFFECT:
 CTES_T     ->    PHQ9_HT     ->    SBQR_HT

    BRS_HT    Effect    BootSE   BootLLCI   BootULCI
    2.1262     .0473     .0201     .0087     .0882
    2.9283     .0436     .0143     .0153     .0721
    3.7304     .0398     .0203    -.0011     .0794

     Index of moderated mediation:
          Index    BootSE   BootLLCI   BootULCI
BRS_HT    -.0047     .0178    -.0418     .0294
---

********************** ANALYSIS NOTES AND ERRORS
```

```
************************

Level of confidence for all confidence intervals in output:
  95.0000

Number of bootstrap samples for percentile bootstrap confidence intervals:
  10000

W values in conditional tables are the mean and +/- SD from the mean.

------ END MATRIX -----


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/* www.processmacro.org */.
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*****************

        Written by Andrew F. Hayes, Ph.D.      www.afhayes.com
```

Documentation available in Hayes (2018). www.guilford.com/p/hayes3

```
**************************************************************************
******
Model  : 14
    Y  : SBQR_HT
    X  : CTES_T
    M  : PHQ9_HT
    W  : BRS_HT

Sample
Size:  172

**************************************************************************
******
OUTCOME VARIABLE:
 PHQ9_HT

Model Summary
         R      R-sq       MSE         F       df1       df2         p
     .3110     .0967   38.3210   18.2091    1.0000   170.0000
.0000

Model
            coeff        se         t         p      LLCI      ULCI
constant    7.6999     .8201    9.3887     .0000    6.0809
9.3188
CTES_T       .2687     .0630    4.2672     .0000     .1444     .3930

**************************************************************************
******
OUTCOME VARIABLE:
 SBQR_HT

Model Summary
         R      R-sq       MSE         F       df1       df2         p
     .5741     .3296    8.0744   20.5250    4.0000   167.0000
.0000

Model
            coeff        se         t         p      LLCI      ULCI
constant    4.5744    1.8074    2.5309     .0123    1.0060
8.1427
CTES_T       .0959     .0305    3.1482     .0019     .0357     .1560
PHQ9_HT      .1878     .1243    1.5116     .1325    -.0575     .4332
BRS_HT      -.4649     .5351    -.8688     .3862   -1.5212     .5915
```

```
Int_1        .0135     .0426     .3170     .7517    -.0707     .0977

Product terms key:
 Int_1    :       PHQ9_HT  x       BRS_HT

Test(s) of highest order unconditional interaction(s):
      R2-chng         F       df1       df2         p
M*W     .0004     .1005    1.0000   167.0000     .7517

****************** DIRECT AND INDIRECT EFFECTS OF X ON Y *****************

Direct effect of X on Y
    Effect         se          t          p       LLCI       ULCI
     .0959     .0305    3.1482     .0019     .0357     .1560

Conditional indirect effects of X on Y:

INDIRECT EFFECT:
 CTES_T     ->    PHQ9_HT     ->    SBQR_HT

    BRS_HT    Effect    BootSE   BootLLCI   BootULCI
    2.1262     .0582     .0199     .0223     .0998
    2.9283     .0611     .0175     .0282     .0975
    3.7304     .0640     .0197     .0268     .1050

     Index of moderated mediation:
          Index    BootSE   BootLLCI   BootULCI
BRS_HT     .0036     .0115    -.0194     .0267
---

************************ ANALYSIS NOTES AND ERRORS
************************

Level of confidence for all confidence intervals in output:
  95.0000

Number of bootstrap samples for percentile bootstrap confidence intervals:
  10000

W values in conditional tables are the mean and +/- SD from the mean.

------ END MATRIX -----


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**************************************************************************
******
Model  : 58
    Y  : SBQR_HT
    X  : CTES_T
    M  : PHQ9_HT
    W  : BRS_HT

Sample
Size:  172

**************************************************************************
******
```

OUTCOME VARIABLE:
 PHQ9_HT

Model Summary

| R | R-sq | MSE | F | df1 | df2 | p |
|---|---|---|---|---|---|---|
| .571 | .326 | 28.916 | 27.141 | 3.000 | 168.000 | .000 |

Model

| | coeff | se | t | p | LLCI | ULCI |
|---|---|---|---|---|---|---|
| constant | 19.702 | 2.791 | 7.058 | .000 | 14.191 | 25.213 |
| CTES_T | .233 | .212 | 1.100 | .273 | -.185 | .651 |
| BRS_HT | -3.774 | .915 | -4.125 | .000 | -5.579 | -1.968 |
| Int_1 | -.019 | .075 | -.255 | .799 | -.167 | .129 |

Product terms key:
 Int_1 : CTES_T x BRS_HT

Test(s) of highest order unconditional interaction(s):

| | R2-chng | F | df1 | df2 | p |
|---|---|---|---|---|---|
| X*W | .000 | .065 | 1.000 | 168.000 | .799 |

**********
******
OUTCOME VARIABLE:
 SBQR_HT

Model Summary

| R | R-sq | MSE | F | df1 | df2 | p |
|---|---|---|---|---|---|---|
| .574 | .330 | 8.074 | 20.525 | 4.000 | 167.000 | .000 |

Model

| | coeff | se | t | p | LLCI | ULCI |
|---|---|---|---|---|---|---|
| constant | 4.574 | 1.807 | 2.531 | .012 | 1.006 | 8.143 |
| CTES_T | .096 | .030 | 3.148 | .002 | .036 | .156 |
| PHQ9_HT | .188 | .124 | 1.512 | .133 | -.057 | .433 |
| BRS_HT | -.465 | .535 | -.869 | .386 | -1.521 | .591 |
| Int_1 | .014 | .043 | .317 | .752 | -.071 | .098 |

Product terms key:
 Int_1 : PHQ9_HT x BRS_HT

Test(s) of highest order unconditional interaction(s):

| | R2-chng | F | df1 | df2 | p |
|---|---|---|---|---|---|
| M*W | .000 | .100 | 1.000 | 167.000 | .752 |

```
****************** DIRECT AND INDIRECT EFFECTS OF X ON Y ****************

Direct effect of X on Y
    Effect         se          t          p       LLCI       ULCI
      .096       .030      3.148       .002       .036       .156

Conditional indirect effects of X on Y:

INDIRECT EFFECT:
 CTES_T     ->    PHQ9_HT     ->    SBQR_HT

    BRS_HT    Effect    BootSE   BootLLCI   BootULCI
     2.126      .042      .020       .006       .085
     2.928      .040      .014       .014       .068
     3.730      .039      .020      -.002       .079
---

*********************** ANALYSIS NOTES AND ERRORS
************************

Level of confidence for all confidence intervals in output:
  95.0000

Number of bootstrap samples for percentile bootstrap confidence intervals:
  10000

W values in conditional tables are the mean and +/- SD from the mean.

------ END MATRIX -----



Run MATRIX procedure:

***************** PROCESS Procedure for SPSS Version 3.5
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**************************************************************************
******
Model  : 6
    Y  : SBQR_HT
    X  : CTES_T
```

```
   M1  : BRS_HT
   M2  : PHQ9_HT

Sample
Size:  172

**************************************************************************
******
OUTCOME VARIABLE:
 BRS_HT

Model Summary
        R      R-sq       MSE         F       df1       df2         p
     .2077     .0431     .6192    7.6623    1.0000   170.0000
.0063

Model
            coeff        se         t         p      LLCI      ULCI
constant    3.1643     .1042   30.3533     .0000    2.9585
3.3701
CTES_T      -.0222     .0080   -2.7681     .0063    -.0380    -.0064

**************************************************************************
******
OUTCOME VARIABLE:
 PHQ9_HT

Model Summary
        R      R-sq       MSE         F       df1       df2         p
     .5711     .3262   28.7564   40.9045    2.0000   169.0000
.0000

Model
            coeff        se         t         p      LLCI      ULCI
constant   20.2459    1.8000   11.2475     .0000   16.6925
23.7994
CTES_T       .1809     .0558    3.2433     .0014     .0708     .2909
BRS_HT     -3.9649     .5227   -7.5857     .0000   -4.9967
-2.9331

**************************************************************************
******
OUTCOME VARIABLE:
 SBQR_HT

Model Summary
```

```
        R      R-sq       MSE         F       df1       df2         p
     .5737     .3292    8.0311   27.4803    3.0000   168.0000
.0000

Model
            coeff         se         t         p      LLCI      ULCI
constant    4.1640    1.2579    3.3103     .0011    1.6807
6.6473
CTES_T       .0959     .0304    3.1580     .0019     .0360     .1559
BRS_HT      -.3291     .3198   -1.0291     .3049    -.9605     .3023
PHQ9_HT      .2251     .0407    5.5361     .0000     .1448     .3053

************************** TOTAL EFFECT MODEL
****************************
OUTCOME VARIABLE:
 SBQR_HT

Model Summary
        R      R-sq       MSE         F       df1       df2         p
     .3588     .1287   10.3082   25.1181    1.0000   170.0000
.0000

Model
            coeff         se         t         p      LLCI      ULCI
constant    4.8555     .4254   11.4152     .0000    4.0158
5.6952
CTES_T       .1637     .0327    5.0118     .0000     .0992     .2281

************** TOTAL, DIRECT, AND INDIRECT EFFECTS OF X ON Y **************

Total effect of X on Y
    Effect         se         t         p      LLCI      ULCI      c_ps
c_cs
     .1637     .0327    5.0118     .0000     .0992     .2281
.0477     .3588

Direct effect of X on Y
    Effect         se         t         p      LLCI      ULCI     c'_ps
c'_cs
     .0959     .0304    3.1580     .0019     .0360     .1559
.0280     .2103

Indirect effect(s) of X on Y:
        Effect    BootSE   BootLLCI   BootULCI
TOTAL     .0678     .0171     .0355     .1033
Ind1      .0073     .0080    -.0065     .0253
```

```
Ind2      .0407     .0143     .0139     .0702
Ind3      .0198     .0078     .0063     .0369

Partially standardized indirect effect(s) of X on Y:
        Effect    BootSE   BootLLCI   BootULCI
TOTAL     .0198     .0046     .0110     .0292
Ind1      .0021     .0023    -.0019     .0074
Ind2      .0119     .0040     .0043     .0199
Ind3      .0058     .0022     .0019     .0106

Completely standardized indirect effect(s) of X on Y:
        Effect    BootSE   BootLLCI   BootULCI
TOTAL     .1485     .0359     .0783     .2198
Ind1      .0160     .0173    -.0145     .0549
Ind2      .0892     .0310     .0303     .1519
Ind3      .0433     .0164     .0142     .0781

Indirect effect key:
Ind1 CTES_T     ->   BRS_HT     ->   SBQR_HT
Ind2 CTES_T     ->   PHQ9_HT    ->   SBQR_HT
Ind3 CTES_T     ->   BRS_HT     ->   PHQ9_HT    ->   SBQR_HT

************************ ANALYSIS NOTES AND ERRORS
************************

Level of confidence for all confidence intervals in output:
  95.0000

Number of bootstrap samples for percentile bootstrap confidence intervals:
  10000

------ END MATRIX -----
```