**Social Media Use and Abuse: Different Profiles of Users and Their Associations with Addictive Behaviours**

**Syntax and results**

**#Preparing Rstudio to Run the Analysis**

library(tidyLPA)

library(tidygraph)

library(tidyr)

library(tidyselect)

library(git2r)

library(githubinstall)

library(devtools)

library(dplyr)

**#Open dataset in Rstudio**

CRB <- read\_sav("D:/CRB.sav")

**#Establishing which model type is best fitting.**

> CRB%>%

+ select("BSMAS\_1", "BSMAS\_2", "BSMAS\_3", "BSMAS\_4", "BSMAS\_5", "BSMAS\_6")%>%

+ single\_imputation()%>%

+ estimate\_profiles(1:8, variances = c("equal", "varying"), covariances = c("zero", "varying"))%>%

+ compare\_solutions(statistics = c("AIC", "AWE", "BIC", "CLC", "KIC"))

Compare tidyLPA solutions:

Model Classes AIC AWE BIC CLC

1 1 18137.46 18312.47 18195.97 18115.46

1 2 15787.58 16066.05 15880.21 15751.37

1 3 15040.51 15422.24 15167.27 14990.30

1 4 15054.55 15539.74 15215.44 14990.13

1 5 15068.70 15657.37 15263.71 14990.06

1 6 14548.83 15240.44 14777.96 14456.49

1 7 14562.81 15357.75 14826.07 14456.40

1 8 14350.06 15248.26 14647.45 14229.64

6 1 15218.19 15614.45 15349.82 15166.19

6 2

6 3

6 4

6 5

6 6

6 7

6 8

KIC Warnings

18152.46

15809.58

15069.51

15090.55 Warning

15111.70 Warning

14598.83 Warning

14619.81 Warning

14414.06 Warning

15248.19

Warning

Warning

Warning

Warning

Warning

Warning

Warning

Best model according to AIC is Model 1 with 8 classes.

Best model according to AWE is Model 1 with 6 classes.

Best model according to BIC is Model 1 with 8 classes.

Best model according to CLC is Model 1 with 8 classes.

Best model according to KIC is Model 1 with 8 classes.

An analytic hierarchy process, based on the fit indices AIC, AWE, BIC, CLC, and KIC (Akogul & Erisoglu, 2017), suggests the best solution is Model 1 with 8 classes.

There were 11 warnings (use warnings() to see them)

**#Establishing which number of classes is best fitting**

> CRB%>%

+ select("BSMAS\_1", "BSMAS\_2", "BSMAS\_3", "BSMAS\_4", "BSMAS\_5", "BSMAS\_6")%>%

+ single\_imputation()%>%

+ estimate\_profiles(1:8, variances = "equal", covariances = "zero")

tidyLPA analysis using mclust:

Model Classes AIC BIC Entropy prob\_min

1 1 18137.55 18196.06 1.00 1.00

1 2 15780.48 15873.11 0.89 0.96

1 3 15025.33 15152.09 0.90 0.94

1 4 15039.35 15200.23 0.79 0.00

1 5 15053.71 15248.72 0.70 0.00

1 6 14777.66 15006.79 0.77 0.00

1 7 14557.59 14820.85 0.80 0.00

1 8 14449.85 14747.24 0.81 0.00

prob\_max n\_min n\_max BLRT\_p

1.00 1.00 1.00

0.97 0.35 0.65 0.01

0.96 0.14 0.52 0.01

0.96 0.00 0.52 1.00

0.97 0.00 0.52 1.00

0.97 0.00 0.52 0.01

0.98 0.00 0.51 0.01

0.97 0.00 0.48 0.01

Warning message:

One or more analyses resulted in warnings! Examine these analyses carefully: model\_1\_class\_4, model\_1\_class\_5, model\_1\_class\_6, model\_1\_class\_7, model\_1\_class\_8

**#Creating the chosen model as an object in R**

> BSMASclasses<-CRB%>%

+ select("BSMAS\_1", "BSMAS\_2", "BSMAS\_3", "BSMAS\_4", "BSMAS\_5", "BSMAS\_6")%>%

+ single\_imputation()%>%

+ estimate\_profiles(3, variances = "equal", covariances = "zero")

**#Getting the characteristics of each class in the model**

> get\_estimates(BSMASclasses)%>%

+ print(n=200)

# A tibble: 36 x 8

Category Parameter Estimate se p Class

*<chr>* *<chr>* *<dbl>* *<dbl>* *<dbl>* *<int>*

1 Means BSMAS\_1 2.99 0.0664 0. 1

2 Means BSMAS\_2 2.86 0.0715 0. 1

3 Means BSMAS\_3 2.82 0.0798 6.71e-273 1

4 Means BSMAS\_4 2.16 0.0774 2.84e-171 1

5 Means BSMAS\_5 1.75 0.0934 2.23e- 78 1

6 Means BSMAS\_6 1.77 0.0786 9.32e-113 1

7 Varianc~ BSMAS\_1 0.648 0.0488 3.31e- 40 1

8 Varianc~ BSMAS\_2 0.530 0.0516 1.08e- 24 1

9 Varianc~ BSMAS\_3 0.784 0.0547 1.05e- 46 1

10 Varianc~ BSMAS\_4 0.772 0.0593 1.02e- 38 1

11 Varianc~ BSMAS\_5 0.360 0.0647 2.64e- 8 1

12 Varianc~ BSMAS\_6 0.501 0.0567 1.03e- 18 1

13 Means BSMAS\_1 1.38 0.0402 1.14e-257 2

14 Means BSMAS\_2 1.27 0.0333 0. 2

15 Means BSMAS\_3 1.37 0.0402 2.07e-253 2

16 Means BSMAS\_4 1.26 0.0368 1.08e-255 2

17 Means BSMAS\_5 1.08 0.0169 0. 2

18 Means BSMAS\_6 1.08 0.0142 0. 2

19 Varianc~ BSMAS\_1 0.648 0.0488 3.31e- 40 2

20 Varianc~ BSMAS\_2 0.530 0.0516 1.08e- 24 2

21 Varianc~ BSMAS\_3 0.784 0.0547 1.05e- 46 2

22 Varianc~ BSMAS\_4 0.772 0.0593 1.02e- 38 2

23 Varianc~ BSMAS\_5 0.360 0.0647 2.64e- 8 2

24 Varianc~ BSMAS\_6 0.501 0.0567 1.03e- 18 2

25 Means BSMAS\_1 3.82 0.159 7.85e-128 3

26 Means BSMAS\_2 3.93 0.182 3.06e-103 3

27 Means BSMAS\_3 3.86 0.178 5.89e-104 3

28 Means BSMAS\_4 3.44 0.170 2.16e- 91 3

29 Means BSMAS\_5 3.55 0.144 1.06e-133 3

30 Means BSMAS\_6 3.01 0.198 1.42e- 52 3

31 Varianc~ BSMAS\_1 0.648 0.0488 3.31e- 40 3

32 Varianc~ BSMAS\_2 0.530 0.0516 1.08e- 24 3

33 Varianc~ BSMAS\_3 0.784 0.0547 1.05e- 46 3

34 Varianc~ BSMAS\_4 0.772 0.0593 1.02e- 38 3

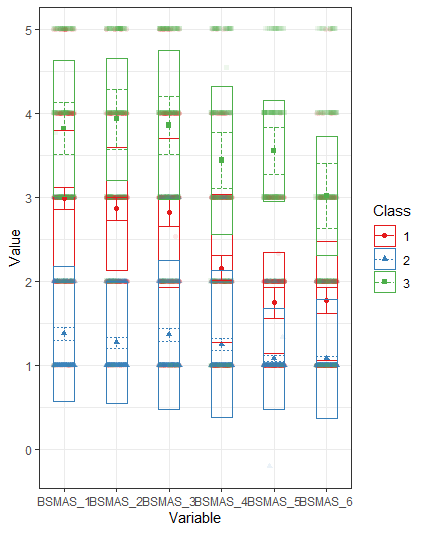
35 Varianc~ BSMAS\_5 0.360 0.0647 2.64e- 8 3

36 Varianc~ BSMAS\_6 0.501 0.0567 1.03e- 18 3

# ... with 2 more variables: Model *<dbl>*, Classes *<dbl>*

**#Getting a graphic of this Model**

> plot\_profiles(BSMASclasses)



**#Creating a spreadsheet with said classes for further analysis**

BSMASclasses2 <- get\_data(BSMASclasses)%>%

+ print(n=1000)

**#Transferring the created spreadsheet onto an Excel file on the researcher PC**

write.csv(BSMASclasses2, "CRBClasses.csv")

**Subsequent JAMOVI ANOVA analysis results**

**Exploration of Class sizes**

| Frequencies of BSMAS Classes | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| **Levels** | | **Counts** | | **% of Total** | | **Cumulative %** | |
| 1 |  | 325 |  | 33.6 % |  | 33.6 % |  |
| 2 |  | 507 |  | 52.4 % |  | 86.0 % |  |
| 3 |  | 136 |  | 14.0 % |  | 100.0 % |  |
|  | | | | | | | |

**Class vs Intrinsic Motivation**

**ANOVA**

| **ANOVA - IntrinsicMotivation** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 139.159 |  | 2 |  | 69.579 |  | 3.078 |  | 0.046 |  | 0.006 |  |
| Residuals |  | 21652.702 |  | 958 |  | 22.602 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| *Note.*  Type III Sum of Squares | | | | | | | | | | | | | |

**Descriptives**

| **Descriptives - IntrinsicMotivation** | | | | | | | |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |  |
| 1 |  | 21.165 |  | 4.578 |  | 322 |  |  |
| 2 |  | 21.746 |  | 4.845 |  | 504 |  |  |
| 3 |  | 22.311 |  | 4.821 |  | 135 |  |  |
|  | | | | | | | |  |

**Post Hoc Tests**

**Standard**

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | -0.581 |  | 0.339 |  | -1.714 |  | 0.200 |  |
|  |  | 3 |  | -1.147 |  | 0.487 |  | -2.352 |  | 0.049 |  |
| 2 |  | 3 |  | -0.565 |  | 0.461 |  | -1.227 |  | 0.438 |  |
|  | | | | | | | | | | | |
| *Note.*  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Identified Regulation**

**ANOVA**

| **ANOVA - IdentifiedRegulation** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 45.496 |  | 2 |  | 22.748 |  | 0.961 |  | 0.383 |  | 0.002 |  |
| Residuals |  | 22646.067 |  | 957 |  | 23.664 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| *Note.*  Type III Sum of Squares | | | | | | | | | | | | | |

**Descriptives**

| **Descriptives - IdentifiedRegulation** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 18.630 |  | 4.600 |  | 324 |  |
| 2 |  | 18.438 |  | 5.044 |  | 502 |  |
| 3 |  | 19.090 |  | 4.799 |  | 134 |  |
|  | | | | | | | |

**Post Hoc Tests**

**Standard**

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.191 |  | 0.347 |  | 0.552 |  | 0.845 |  |
|  |  | 3 |  | -0.460 |  | 0.500 |  | -0.921 |  | 0.627 |  |
| 2 |  | 3 |  | -0.651 |  | 0.473 |  | -1.377 |  | 0.353 |  |
|  | | | | | | | | | | | |
| *Note.*  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Class vs External Regulation**

**ANOVA**

| **ANOVA - ExternalRegulation** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 839.877 |  | 2 |  | 419.939 |  | 17.627 |  | < .001 |  | 0.036 |  |
| Residuals |  | 22703.650 |  | 953 |  | 23.823 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| *Note.*  Type III Sum of Squares | | | | | | | | | | | | | |

**Descriptives**

| **Descriptives - ExternalRegulation** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 9.860 |  | 4.732 |  | 322 |  |
| 2 |  | 8.218 |  | 4.720 |  | 499 |  |
| 3 |  | 10.504 |  | 5.743 |  | 135 |  |
|  | | | | | | | |

**Post Hoc Tests**

**Standard**

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 1.642 |  | 0.349 |  | 4.706 |  | < .001 |  |
|  |  | 3 |  | -0.643 |  | 0.500 |  | -1.286 |  | 0.404 |  |
| 2 |  | 3 |  | -2.285 |  | 0.474 |  | -4.826 |  | < .001 |  |
|  | | | | | | | | | | | |
| *Note.*  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Class vs Amotivation**

## ANOVA

| **ANOVA - Amotivation** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 1220.429 |  | 2 |  | 610.214 |  | 26.734 |  | < .001 |  | 0.053 |  | |
| Residuals |  | 22003.447 |  | 964 |  | 22.825 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - Amotivation** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 10.077 |  | 4.777 |  | 325 |  |
| 2 |  | 8.028 |  | 4.459 |  | 506 |  |
| 3 |  | 10.654 |  | 5.817 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 2.049 |  | 0.340 |  | 6.034 |  | < .001 |  |
|  |  | 3 |  | -0.577 |  | 0.488 |  | -1.184 |  | 0.463 |  |
| 2 |  | 3 |  | -2.627 |  | 0.461 |  | -5.692 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Gaming Total**

## ANOVA

| **ANOVA - GamingTotal** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 5200.399 |  | 2 |  | 2600.199 |  | 57.454 |  | < .001 |  | 0.108 |  |
| Residuals |  | 43175.121 |  | 954 |  | 45.257 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - GamingTotal** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 19.186 |  | 6.655 |  | 322 |  |
| 2 |  | 16.216 |  | 6.353 |  | 501 |  |
| 3 |  | 22.866 |  | 8.124 |  | 134 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 2.971 |  | 0.481 |  | 6.183 |  | < .001 |  |
|  |  | 3 |  | -3.679 |  | 0.692 |  | -5.320 |  | < .001 |  |
| 2 |  | 3 |  | -6.650 |  | 0.654 |  | -10.164 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Extraversion**

## ANOVA

| **ANOVA - Extraversion** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 84.876 |  | 2 |  | 42.438 |  | 4.348 |  | 0.013 |  | 0.009 |  |
| Residuals |  | 9388.517 |  | 962 |  | 9.759 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - Extraversion** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 6.327 |  | 3.081 |  | 324 |  |
| 2 |  | 5.674 |  | 3.125 |  | 506 |  |
| 3 |  | 6.000 |  | 3.223 |  | 135 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.653 |  | 0.222 |  | 2.939 |  | 0.009 |  |
|  |  | 3 |  | 0.327 |  | 0.320 |  | 1.022 |  | 0.563 |  |
| 2 |  | 3 |  | -0.326 |  | 0.303 |  | -1.078 |  | 0.528 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Gaming vs Conscientiousness**

## ANOVA

| **ANOVA - Conscientiousness** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 256.662 |  | 2 |  | 128.331 |  | 15.781 |  | < .001 |  | 0.032 |  |
| Residuals |  | 7806.705 |  | 960 |  | 8.132 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - Conscientiousness** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 9.183 |  | 2.691 |  | 323 |  |
| 2 |  | 9.756 |  | 2.858 |  | 504 |  |
| 3 |  | 8.250 |  | 3.180 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | -0.573 |  | 0.203 |  | -2.821 |  | 0.014 |  |
|  |  | 3 |  | 0.933 |  | 0.291 |  | 3.200 |  | 0.004 |  |
| 2 |  | 3 |  | 1.506 |  | 0.276 |  | 5.465 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Gaming vs Agreeableness**

## ANOVA

| **ANOVA - Conscientiousness** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 256.662 |  | 2 |  | 128.331 |  | 15.781 |  | < .001 |  | 0.032 |  |
| Residuals |  | 7806.705 |  | 960 |  | 8.132 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - Conscientiousness** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 9.183 |  | 2.691 |  | 323 |  |
| 2 |  | 9.756 |  | 2.858 |  | 504 |  |
| 3 |  | 8.250 |  | 3.180 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | -0.573 |  | 0.203 |  | -2.821 |  | 0.014 |  |
|  |  | 3 |  | 0.933 |  | 0.291 |  | 3.200 |  | 0.004 |  |
| 2 |  | 3 |  | 1.506 |  | 0.276 |  | 5.465 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Emotional stability (Neuroticism)**

## ANOVA

| **ANOVA - EmotionalStability** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 595.338 |  | 2 |  | 297.669 |  | 31.907 |  | < .001 |  | 0.062 |  | |
| Residuals |  | 8946.674 |  | 959 |  | 9.329 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - EmotionalStability** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 7.929 |  | 3.101 |  | 323 |  |
| 2 |  | 9.115 |  | 3.023 |  | 503 |  |
| 3 |  | 7.000 |  | 3.057 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | -1.187 |  | 0.218 |  | -5.448 |  | < .001 |  |
|  |  | 3 |  | 0.929 |  | 0.312 |  | 2.975 |  | 0.008 |  |
| 2 |  | 3 |  | 2.115 |  | 0.295 |  | 7.166 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Openness to Experience**

## ANOVA

| **ANOVA - OpennessExperiences** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 10.831 |  | 2 |  | 5.415 |  | 0.843 |  | 0.431 |  | 0.002 |  |
| Residuals |  | 6196.189 |  | 964 |  | 6.428 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - OpennessExperiences** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 9.708 |  | 2.314 |  | 325 |  |
| 2 |  | 9.935 |  | 2.629 |  | 506 |  |
| 3 |  | 9.919 |  | 2.681 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | -0.227 |  | 0.180 |  | -1.260 |  | 0.418 |  |
|  |  | 3 |  | -0.211 |  | 0.259 |  | -0.817 |  | 0.693 |  |
| 2 |  | 3 |  | 0.016 |  | 0.245 |  | 0.064 |  | 0.998 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Alcoholism**

## ANOVA

| **ANOVA - AlcoholTotal** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 800.171 |  | 2 |  | 400.085 |  | 11.336 |  | < .001 |  | 0.023 |  |
| Residuals |  | 33881.676 |  | 960 |  | 35.293 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - AlcoholTotal** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 4.491 |  | 6.034 |  | 324 |  |
| 2 |  | 3.877 |  | 5.175 |  | 503 |  |
| 3 |  | 6.610 |  | 8.018 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.614 |  | 0.423 |  | 1.451 |  | 0.315 |  |
|  |  | 3 |  | -2.120 |  | 0.607 |  | -3.492 |  | 0.001 |  |
| 2 |  | 3 |  | -2.734 |  | 0.574 |  | -4.761 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Smoking**

## ANOVA

| **ANOVA - SmokingTotal** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 27.931 |  | 2 |  | 13.965 |  | 0.883 |  | 0.414 |  | 0.002 |  |
| Residuals |  | 15254.974 |  | 965 |  | 15.808 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - SmokingTotal** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 9.028 |  | 3.725 |  | 325 |  |
| 2 |  | 9.264 |  | 4.134 |  | 507 |  |
| 3 |  | 9.551 |  | 3.955 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | -0.237 |  | 0.283 |  | -0.837 |  | 0.680 |  |
|  |  | 3 |  | -0.524 |  | 0.406 |  | -1.290 |  | 0.401 |  |
| 2 |  | 3 |  | -0.287 |  | 0.384 |  | -0.748 |  | 0.735 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Drug use**

## ANOVA

| **ANOVA - DrugsTotal** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 26.750 |  | 2 |  | 13.375 |  | 4.832 |  | 0.008 |  | 0.010 |  |
| Residuals |  | 2668.644 |  | 964 |  | 2.768 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - DrugsTotal** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 1.754 |  | 1.787 |  | 325 |  |
| 2 |  | 1.561 |  | 1.513 |  | 506 |  |
| 3 |  | 2.044 |  | 1.881 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.193 |  | 0.118 |  | 1.628 |  | 0.234 |  |
|  |  | 3 |  | -0.290 |  | 0.170 |  | -1.708 |  | 0.203 |  |
| 2 |  | 3 |  | -0.483 |  | 0.161 |  | -3.005 |  | 0.008 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Sex addiction**

## ANOVA

| **ANOVA - SexTotal** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 1896.035 |  | 2 |  | 948.018 |  | 39.526 |  | < .001 |  | 0.076 |  |
| Residuals |  | 23001.491 |  | 959 |  | 23.985 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - SexTotal** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 7.115 |  | 4.898 |  | 323 |  |
| 2 |  | 5.568 |  | 4.640 |  | 505 |  |
| 3 |  | 9.687 |  | 5.769 |  | 134 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 1.546 |  | 0.349 |  | 4.431 |  | < .001 |  |
|  |  | 3 |  | -2.572 |  | 0.503 |  | -5.111 |  | < .001 |  |
| 2 |  | 3 |  | -4.118 |  | 0.476 |  | -8.653 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs shopping addiction**

## ANOVA

| **ANOVA - ShoppingTotal** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 5131.916 |  | 2 |  | 2565.958 |  | 90.061 |  | < .001 |  | 0.159 |  |
| Residuals |  | 27209.278 |  | 955 |  | 28.491 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - ShoppingTotal** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 14.804 |  | 5.173 |  | 321 |  |
| 2 |  | 11.565 |  | 4.829 |  | 503 |  |
| 3 |  | 17.993 |  | 7.222 |  | 134 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 3.239 |  | 0.381 |  | 8.495 |  | < .001 |  |
|  |  | 3 |  | -3.189 |  | 0.549 |  | -5.809 |  | < .001 |  |
| 2 |  | 3 |  | -6.428 |  | 0.519 |  | -12.387 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Exercise addiction**

## ANOVA

| **ANOVA - ExerciseTotal** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 453.409 |  | 2 |  | 226.705 |  | 5.415 |  | 0.005 |  | 0.011 |  |
| Residuals |  | 39938.160 |  | 954 |  | 41.864 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - ExerciseTotal** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 14.646 |  | 6.009 |  | 322 |  |
| 2 |  | 13.812 |  | 6.467 |  | 500 |  |
| 3 |  | 15.793 |  | 7.470 |  | 135 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.834 |  | 0.462 |  | 1.804 |  | 0.169 |  |
|  |  | 3 |  | -1.147 |  | 0.663 |  | -1.728 |  | 0.195 |  |
| 2 |  | 3 |  | -1.981 |  | 0.628 |  | -3.156 |  | 0.005 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Self Distraction**

## ANOVA

| **ANOVA - SelfDistraction** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 141.608 |  | 2 |  | 70.804 |  | 26.656 |  | < .001 |  | 0.052 |  |
| Residuals |  | 2563.267 |  | 965 |  | 2.656 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - SelfDistraction** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 5.529 |  | 1.526 |  | 325 |  |
| 2 |  | 4.915 |  | 1.732 |  | 507 |  |
| 3 |  | 5.912 |  | 1.468 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.614 |  | 0.116 |  | 5.302 |  | < .001 |  |
|  |  | 3 |  | -0.383 |  | 0.166 |  | -2.298 |  | 0.057 |  |
| 2 |  | 3 |  | -0.997 |  | 0.157 |  | -6.332 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Active Coping**

## ANOVA

| **ANOVA - ActiveCoping** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 14.281 |  | 2 |  | 7.140 |  | 2.761 |  | 0.064 |  | 0.006 |  |
| Residuals |  | 2488.024 |  | 962 |  | 2.586 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - ActiveCoping** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 4.826 |  | 1.421 |  | 322 |  |
| 2 |  | 4.639 |  | 1.707 |  | 507 |  |
| 3 |  | 4.963 |  | 1.644 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.187 |  | 0.115 |  | 1.632 |  | 0.233 |  |
|  |  | 3 |  | -0.137 |  | 0.164 |  | -0.834 |  | 0.682 |  |
| 2 |  | 3 |  | -0.324 |  | 0.155 |  | -2.087 |  | 0.093 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Denial**

## ANOVA

| **ANOVA - Denial** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 135.733 |  | 2 |  | 67.866 |  | 44.607 |  | < .001 |  | 0.085 |  |
| Residuals |  | 1466.671 |  | 964 |  | 1.521 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - Denial** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 2.907 |  | 1.318 |  | 324 |  |
| 2 |  | 2.452 |  | 1.017 |  | 507 |  |
| 3 |  | 3.529 |  | 1.682 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.456 |  | 0.088 |  | 5.195 |  | < .001 |  |
|  |  | 3 |  | -0.622 |  | 0.126 |  | -4.935 |  | < .001 |  |
| 2 |  | 3 |  | -1.078 |  | 0.119 |  | -9.048 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Substance Use**

## ANOVA

| **ANOVA - SubstanceUse** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 76.478 |  | 2 |  | 38.239 |  | 10.962 |  | < .001 |  | 0.022 |  |
| Residuals |  | 3355.725 |  | 962 |  | 3.488 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - SubstanceUse** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 3.327 |  | 1.940 |  | 324 |  |
| 2 |  | 3.000 |  | 1.759 |  | 505 |  |
| 3 |  | 3.816 |  | 2.073 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.327 |  | 0.133 |  | 2.461 |  | 0.037 |  |
|  |  | 3 |  | -0.489 |  | 0.191 |  | -2.563 |  | 0.028 |  |
| 2 |  | 3 |  | -0.816 |  | 0.180 |  | -4.523 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Use of emotional support**

## ANOVA

| **ANOVA - UseEmotionalSupport** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 65.870 |  | 2 |  | 32.935 |  | 9.625 |  | < .001 |  | 0.020 |  |
| Residuals |  | 3278.130 |  | 958 |  | 3.422 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - UseEmotionalSupport** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 4.674 |  | 1.773 |  | 322 |  |
| 2 |  | 4.247 |  | 1.888 |  | 506 |  |
| 3 |  | 4.925 |  | 1.885 |  | 133 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.427 |  | 0.132 |  | 3.237 |  | 0.004 |  |
|  |  | 3 |  | -0.251 |  | 0.191 |  | -1.316 |  | 0.387 |  |
| 2 |  | 3 |  | -0.678 |  | 0.180 |  | -3.760 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Class vs Use of Instrumental Support**

## ANOVA

| **ANOVA - UseInstrumentalSupport** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 91.821 |  | 2 |  | 45.911 |  | 15.271 |  | < .001 |  | 0.031 |  |
| Residuals |  | 2895.098 |  | 963 |  | 3.006 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - UseInstrumentalSupport** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 4.417 |  | 1.623 |  | 324 |  |
| 2 |  | 3.935 |  | 1.787 |  | 506 |  |
| 3 |  | 4.750 |  | 1.788 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.482 |  | 0.123 |  | 3.906 |  | < .001 |  |
|  |  | 3 |  | -0.333 |  | 0.177 |  | -1.882 |  | 0.145 |  |
| 2 |  | 3 |  | -0.815 |  | 0.167 |  | -4.868 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Class vs Behavioural disengagement**

## ANOVA

| **ANOVA - BehaviouralDisengagement** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 176.801 |  | 2 |  | 88.401 |  | 35.638 |  | < .001 |  | 0.069 |  |
| Residuals |  | 2393.693 |  | 965 |  | 2.481 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - BehaviouralDisengagement** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 3.662 |  | 1.558 |  | 325 |  |
| 2 |  | 3.055 |  | 1.503 |  | 507 |  |
| 3 |  | 4.235 |  | 1.855 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.606 |  | 0.112 |  | 5.418 |  | < .001 |  |
|  |  | 3 |  | -0.574 |  | 0.161 |  | -3.567 |  | 0.001 |  |
| 2 |  | 3 |  | -1.180 |  | 0.152 |  | -7.759 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Class vs Venting**

## ANOVA

| **ANOVA - Venting** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 181.178 |  | 2 |  | 90.589 |  | 42.361 |  | < .001 |  | 0.081 |  |
| Residuals |  | 2059.361 |  | 963 |  | 2.138 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - Venting** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 4.198 |  | 1.367 |  | 324 |  |
| 2 |  | 3.753 |  | 1.487 |  | 506 |  |
| 3 |  | 5.029 |  | 1.587 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.445 |  | 0.104 |  | 4.273 |  | < .001 |  |
|  |  | 3 |  | -0.832 |  | 0.149 |  | -5.568 |  | < .001 |  |
| 2 |  | 3 |  | -1.276 |  | 0.141 |  | -9.037 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Class vs Positive reframing**

## ANOVA

| **ANOVA - PositiveReframing** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 50.360 |  | 2 |  | 25.180 |  | 8.984 |  | < .001 |  | 0.018 |  |
| Residuals |  | 2701.803 |  | 964 |  | 2.803 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - PositiveReframing** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 4.769 |  | 1.587 |  | 324 |  |
| 2 |  | 4.363 |  | 1.738 |  | 507 |  |
| 3 |  | 4.912 |  | 1.631 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.406 |  | 0.119 |  | 3.406 |  | 0.002 |  |
|  |  | 3 |  | -0.143 |  | 0.171 |  | -0.837 |  | 0.680 |  |
| 2 |  | 3 |  | -0.549 |  | 0.162 |  | -3.395 |  | 0.002 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Planning**

## ANOVA

| **ANOVA - Planning** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 50.515 |  | 2 |  | 25.258 |  | 8.773 |  | < .001 |  | 0.018 |  |
| Residuals |  | 2763.805 |  | 960 |  | 2.879 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - Planning** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 5.134 |  | 1.574 |  | 322 |  |
| 2 |  | 4.923 |  | 1.754 |  | 505 |  |
| 3 |  | 5.603 |  | 1.761 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.211 |  | 0.121 |  | 1.742 |  | 0.190 |  |
|  |  | 3 |  | -0.469 |  | 0.174 |  | -2.705 |  | 0.019 |  |
| 2 |  | 3 |  | -0.680 |  | 0.164 |  | -4.149 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Humor**

## ANOVA

| **ANOVA - Humor** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 75.911 |  | 2 |  | 37.956 |  | 10.044 |  | < .001 |  | 0.020 |  |
| Residuals |  | 3635.264 |  | 962 |  | 3.779 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - Humor** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 4.461 |  | 1.874 |  | 323 |  |
| 2 |  | 4.356 |  | 1.993 |  | 506 |  |
| 3 |  | 5.191 |  | 1.923 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.106 |  | 0.138 |  | 0.763 |  | 0.726 |  |
|  |  | 3 |  | -0.730 |  | 0.199 |  | -3.673 |  | < .001 |  |
| 2 |  | 3 |  | -0.835 |  | 0.188 |  | -4.450 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Acceptance**

## ANOVA

| **ANOVA - Acceptance** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 7.544 |  | 2 |  | 3.772 |  | 1.614 |  | 0.200 |  | 0.003 |  |
| Residuals |  | 2248.452 |  | 962 |  | 2.337 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - Acceptance** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 5.704 |  | 1.367 |  | 324 |  |
| 2 |  | 5.515 |  | 1.643 |  | 505 |  |
| 3 |  | 5.654 |  | 1.452 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.189 |  | 0.109 |  | 1.735 |  | 0.193 |  |
|  |  | 3 |  | 0.049 |  | 0.156 |  | 0.316 |  | 0.947 |  |
| 2 |  | 3 |  | -0.140 |  | 0.148 |  | -0.945 |  | 0.612 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Religion**

## ANOVA

| **ANOVA - Religion** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 32.643 |  | 2 |  | 16.321 |  | 6.149 |  | 0.002 |  | 0.013 |  |
| Residuals |  | 2561.357 |  | 965 |  | 2.654 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - Religion** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 3.172 |  | 1.609 |  | 325 |  |
| 2 |  | 2.880 |  | 1.605 |  | 507 |  |
| 3 |  | 3.360 |  | 1.762 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.293 |  | 0.116 |  | 2.528 |  | 0.031 |  |
|  |  | 3 |  | -0.188 |  | 0.166 |  | -1.130 |  | 0.496 |  |
| 2 |  | 3 |  | -0.481 |  | 0.157 |  | -3.055 |  | 0.007 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Selfblame**

## ANOVA

| **ANOVA - SelfBlame** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 225.735 |  | 2 |  | 112.868 |  | 32.580 |  | < .001 |  | 0.063 |  |
| Residuals |  | 3336.161 |  | 963 |  | 3.464 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - SelfBlame** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 4.975 |  | 1.819 |  | 323 |  |
| 2 |  | 4.225 |  | 1.930 |  | 507 |  |
| 3 |  | 5.507 |  | 1.691 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 0.750 |  | 0.133 |  | 5.663 |  | < .001 |  |
|  |  | 3 |  | -0.532 |  | 0.190 |  | -2.797 |  | 0.015 |  |
| 2 |  | 3 |  | -1.283 |  | 0.180 |  | -7.135 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Avoidant coping**

## ANOVA

| **ANOVA - AvoidantCoping** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 5388.959 |  | 2 |  | 2694.480 |  | 72.693 |  | < .001 |  | 0.132 |  |
| Residuals |  | 35472.864 |  | 957 |  | 37.067 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - AvoidantCoping** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 24.625 |  | 5.736 |  | 320 |  |
| 2 |  | 21.411 |  | 6.180 |  | 504 |  |
| 3 |  | 28.029 |  | 6.536 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 3.214 |  | 0.435 |  | 7.386 |  | < .001 |  |
|  |  | 3 |  | -3.404 |  | 0.623 |  | -5.463 |  | < .001 |  |
| 2 |  | 3 |  | -6.619 |  | 0.588 |  | -11.251 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Approach coping**

## ANOVA

| **ANOVA - ApproachCoping** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 1515.506 |  | 2 |  | 757.753 |  | 14.561 |  | < .001 |  | 0.030 |  |
| Residuals |  | 49177.001 |  | 945 |  | 52.039 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - ApproachCoping** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 29.572 |  | 6.313 |  | 313 |  |
| 2 |  | 27.570 |  | 7.692 |  | 502 |  |
| 3 |  | 30.887 |  | 7.335 |  | 133 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 2.002 |  | 0.520 |  | 3.854 |  | < .001 |  |
|  |  | 3 |  | -1.315 |  | 0.747 |  | -1.762 |  | 0.183 |  |
| 2 |  | 3 |  | -3.317 |  | 0.704 |  | -4.716 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Covid Anxiety**

## ANOVA

| **ANOVA - COVIDAnxiety** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 706.856 |  | 2 |  | 353.428 |  | 51.790 |  | < .001 |  | 0.097 |  |
| Residuals |  | 6578.592 |  | 964 |  | 6.824 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - COVIDAnxiety** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 1.954 |  | 2.930 |  | 325 |  |
| 2 |  | 0.856 |  | 1.785 |  | 506 |  |
| 3 |  | 3.287 |  | 4.026 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 1.098 |  | 0.186 |  | 5.913 |  | < .001 |  |
|  |  | 3 |  | -1.333 |  | 0.267 |  | -4.996 |  | < .001 |  |
| 2 |  | 3 |  | -2.431 |  | 0.252 |  | -9.635 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Depression**

## ANOVA

| **ANOVA - Depression** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 2986.790 |  | 2 |  | 1493.395 |  | 46.578 |  | < .001 |  | 0.089 |  |
| Residuals |  | 30522.931 |  | 952 |  | 32.062 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - Depression** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 8.730 |  | 5.526 |  | 322 |  |
| 2 |  | 6.655 |  | 5.678 |  | 499 |  |
| 3 |  | 11.784 |  | 5.922 |  | 134 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 2.075 |  | 0.405 |  | 5.125 |  | < .001 |  |
|  |  | 3 |  | -3.054 |  | 0.582 |  | -5.246 |  | < .001 |  |
| 2 |  | 3 |  | -5.128 |  | 0.551 |  | -9.308 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Anxiety**

## ANOVA

| **ANOVA - Anxiety** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 3344.732 |  | 2 |  | 1672.366 |  | 100.404 |  | < .001 |  | 0.173 |  |
| Residuals |  | 15940.201 |  | 957 |  | 16.656 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - Anxiety** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 5.350 |  | 4.011 |  | 320 |  |
| 2 |  | 3.492 |  | 3.701 |  | 506 |  |
| 3 |  | 9.022 |  | 5.407 |  | 134 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 1.858 |  | 0.291 |  | 6.374 |  | < .001 |  |
|  |  | 3 |  | -3.672 |  | 0.420 |  | -8.745 |  | < .001 |  |
| 2 |  | 3 |  | -5.530 |  | 0.397 |  | -13.947 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Stress**

## ANOVA

| **ANOVA - Stress** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 4031.522 |  | 2 |  | 2015.761 |  | 101.266 |  | < .001 |  | 0.175 |  |
| Residuals |  | 18950.139 |  | 952 |  | 19.906 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - Stress** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 7.994 |  | 4.292 |  | 319 |  |
| 2 |  | 5.519 |  | 4.299 |  | 501 |  |
| 3 |  | 11.430 |  | 5.362 |  | 135 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 2.475 |  | 0.320 |  | 7.744 |  | < .001 |  |
|  |  | 3 |  | -3.436 |  | 0.458 |  | -7.500 |  | < .001 |  |
| 2 |  | 3 |  | -5.911 |  | 0.433 |  | -13.662 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Gambling Total**

## ANOVA

| **ANOVA - GamblingTotal** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 2554.716 |  | 2 |  | 1277.358 |  | 40.332 |  | < .001 |  | 0.078 |  |
| Residuals |  | 30055.515 |  | 949 |  | 31.671 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - GamblingTotal** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 14.270 |  | 6.190 |  | 315 |  |
| 2 |  | 12.261 |  | 3.178 |  | 502 |  |
| 3 |  | 16.948 |  | 9.836 |  | 135 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 2.009 |  | 0.405 |  | 4.966 |  | < .001 |  |
|  |  | 3 |  | -2.678 |  | 0.579 |  | -4.626 |  | < .001 |  |
| 2 |  | 3 |  | -4.687 |  | 0.546 |  | -8.591 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |

**Classes vs Internet addiction**

## ANOVA

| **ANOVA - InternetTotal** | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cases** | | **Sum of Squares** | | **df** | | **Mean Square** | | **F** | | **p** | | **η²** | |
| BSMAS\_Classes |  | 13517.903 |  | 2 |  | 6758.952 |  | 137.170 |  | < .001 |  | 0.223 |  |
| Residuals |  | 47056.890 |  | 955 |  | 49.274 |  |  |  |  |  |  |  |
|  | | | | | | | | | | | | | |
| Note.  Type III Sum of Squares | | | | | | | | | | | | | |

### Descriptives

| **Descriptives - InternetTotal** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **BSMAS\_Classes** | | **Mean** | | **SD** | | **N** | |
| 1 |  | 21.165 |  | 6.554 |  | 321 |  |
| 2 |  | 17.022 |  | 7.216 |  | 501 |  |
| 3 |  | 27.971 |  | 7.340 |  | 136 |  |
|  | | | | | | | |

### Post Hoc Tests

#### Standard

| **Post Hoc Comparisons - BSMAS\_Classes** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | | **Mean Difference** | | **SE** | | **t** | | **p tukey** | |
| 1 |  | 2 |  | 4.143 |  | 0.502 |  | 8.256 |  | < .001 |  |
|  |  | 3 |  | -6.805 |  | 0.718 |  | -9.476 |  | < .001 |  |
| 2 |  | 3 |  | -10.949 |  | 0.679 |  | -16.131 |  | < .001 |  |
|  | | | | | | | | | | | |
| Note.  P-value adjusted for comparing a family of 3 | | | | | | | | | | | |