OUTPUT C: SAS

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* PROCESS v3.1 for SAS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Written by Andrew F. Hayes, Ph.D. http://www.afhayes.com

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

**Model and Variables**

**Model:** 4

**Y:** LIKING

**X:** PROTEST

**M:** RESPAPPR

**Sample size:**

129

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**OUTCOME VARIABLE:**

RESPAPPR

**Model Summary**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **R** | **R-sq** | **MSE** | **F** | **df1** | **df2** | **p** |
| 0.4992 | 0.2492 | 1.3753 | 42.1550 | 1.0000 | 127.0000 | 0.0000 |

**Model**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **coeff** | **se** | **t** | **p** | **LLCI** | **ULCI** |
| **constant** | 3.8841 | 0.1831 | 21.2078 | 0.0000 | 3.5217 | 4.2466 |
| **PROTEST** | 1.4397 | 0.2217 | 6.4927 | 0.0000 | 1.0009 | 1.8785 |

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**OUTCOME VARIABLE:**

LIKING

**Model Summary**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **R** | **R-sq** | **MSE** | **F** | **df1** | **df2** | **p** |
| 0.4959 | 0.2459 | 0.8441 | 20.5483 | 2.0000 | 126.0000 | 0.0000 |

**Model**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **coeff** | **se** | **t** | **p** | **LLCI** | **ULCI** |
| **constant** | 3.7473 | 0.3058 | 12.2553 | 0.0000 | 3.1422 | 4.3524 |
| **PROTEST** | -0.1007 | 0.2005 | -0.5023 | 0.6163 | -0.4975 | 0.2960 |
| **RESPAPPR** | 0.4024 | 0.0695 | 5.7884 | 0.0000 | 0.2648 | 0.5400 |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* TOTAL EFFECT MODEL \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**OUTCOME VARIABLE:**

LIKING

**Model Summary**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **R** | **R-sq** | **MSE** | **F** | **df1** | **df2** | **p** |
| 0.2131 | 0.0454 | 1.0601 | 6.0439 | 1.0000 | 127.0000 | 0.0153 |

**Model**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **coeff** | **se** | **t** | **p** | **LLCI** | **ULCI** |
| **constant** | 5.3102 | 0.16083 | 3.0244 | 0.0000 | 4.9921 | 5.6284 |
| **PROTEST** | 0.4786 | 0.1947 | 2.4584 | 0.0153 | 0.0934 | 0.8639 |

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

**Total effect of X on Y**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Effect** | **se** | **t** | **p** | **LLCI** | **ULCI** |
| 0.4786 | 0.1947 | 2.4584 | 0.0153 | 0.0934 | 0.8639 |

**Direct effect of X on Y**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Effect** | **se** | **t** | **p** | **LLCI** | **ULCI** |
| -0.1007 | 0.2005 | -0.5023 | 0.6163 | -0.4975 | 0.2960 |

**Indirect effect(s) of X on Y:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Effect** | **BootSE** | **BootLLCI** | **BootULCI** |
| **RESPAPPR** | 0.5793 | 0.1508 | 0.3218 | 0.9010 |

**Normal theory test for indirect effect(s):**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Effect** | **SE** | **Z** | **p** |
| **RESPAPPR** | 0.5793 | 0.1350 | 4.2924 | 0.0000 |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* 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