OUTPUT C: SAS

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

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

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**Model and Variables**

**Model:** 4

**Y:** LIKING

**X:** PROTEST

**M:** RESPAPPR

**Sample size:**

129

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**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