OUTPUT E: SAS

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| \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* PROCESS Procedure for SAS Version 3.0 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
| Written by Andrew F. Hayes, Ph.D. http://www.afhayes.com |
| Documentation available in Hayes (2018) www.guilford.com/p/hayes3 |
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| **Model and Variables** | |
| --- | --- |
| **Model:** | 4 |
| **Y:** | INTEREST |
| **X:** | PRONO |
| **M1:** | COMM |
| **M2:** | DIFF |

| **Sample size:** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| 231 | | | | | | |
| \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* | | | | | | |
| **OUTCOME VARIABLE:** | | | | | | |
| COMM | | | | | | |
| **Model Summary** | | | | | | |
| **R** | **R-sq** | **MSE** | **F** | **df1** | **df2** | **p** |
| 0.3005 | 0.0903 | 1.5324 | 22.7252 | 1.0000 | 229.0000 | 0.0000 |

| **Model** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
|  | **coeff** | **se** | **t** | **p** | **LLCI** | **ULCI** |
| **constant** | 3.1160 | 0.11352 | 7.4589 | 0.0000 | 2.8924 | 3.3396 |
| **PRONO** | 0.7769 | 0.1630 | 4.7671 | 0.0000 | 0.4558 | 1.0980 |
| \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* | | | | | | |

| **OUTCOME VARIABLE:** |
| --- |
| DIFF |

| **Model Summary** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **R** | **R-sq** | **MSE** | **F** | **df1** | **df2** | **p** |
| 0.0636 | 0.0040 | 1.6769 | 0.9298 | 1.0000 | 229.0000 | 0.3359 |

| **Model** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
|  | **coeff** | **se** | **t** | **p** | **LLCI** | **ULCI** |
| **constant** | 4.9412 | 0.1187 | 41.6247 | 0.0000 | 4.7073 | 5.1751 |
| **PRONO** | -0.1644 | 0.1705 | -0.9643 | 0.3359 | -0.5003 | 0.1715 |
| \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* | | | | | | |

| **OUTCOME VARIABLE:** |
| --- |
| INTEREST |

| **Model Summary** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **R** | **R-sq** | **MSE** | **F** | **df1** | **df2** | **p** |
| 0.4390 | 0.1927 | 1.9696 | 18.0666 | 3.0000 | 227.0000 | 0.0000 |

| **Model** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
|  | **coeff** | **se** | **t** | **p** | **LLCI** | **ULCI** |
| **constant** | 0.5156 | 0.4634 | 1.1125 | 0.2671 | -0.3976 | 1.4287 |
| **PRONO** | -0.0976 | 0.1938 | -0.5038 | 0.6149 | -0.4795 | 0.2843 |
| **COMM** | 0.5342 | 0.0753 | 7.0949 | 0.0000 | 0.3858 | 0.6826 |
| **DIFF** | 0.1328 | 0.0720 | 1.8446 | 0.0664 | -0.0091 | 0.2746 |

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| \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* TOTAL EFFECT MODEL \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |
| **OUTCOME VARIABLE:** |
| INTEREST |

| **Model Summary** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **R** | **R-sq** | | **MSE** | | **F** | | **df1** | | **df2** | | **p** |
| 0.0954 | 0.0091 | | 2.3965 | | 2.1032 | | 1.0000 | | 229.0000 | | 0.1484 |
| **Model** | | | | | | | | | | | |
|  | | **coeff** | | **se** | | **t** | | **p** | | **LLCI** | **ULCI** |
| **constant** | | 2.8361 | | 0.14191 | | 9.9853 | | 0.0000 | | 2.5565 | 3.1158 |
| **PRONO** | | 0.2956 | | 0.2038 | | 1.4502 | | 0.1484 | | -0.1060 | 0.6971 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| \*\*\*\*\*\*\*\*\*\*\*\*\* TOTAL, DIRECT, AND INDIRECT EFFECTS OF X ON Y \*\*\*\*\*\*\*\*\*\*\*\*\*\* | | | | | |
| **Total effect of X on Y** | | | | | |
| **Effect** | **se** | **t** | **p** | **LLCI** | **ULCI** |
| 0.2956 | 0.2038 | 1.4502 | 0.1484 | -0.1060 | 0.6971 |

| **Direct effect of X on Y** | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Effect** | **se** | | **t** | | **p** | **LLCI** | | **ULCI** | |
| -0.0976 | 0.1938 | | -0.5038 | | 0.6149 | -0.4795 | | 0.2843 | |
| **Indirect effect(s) of X on Y:** | | | | | | | | | | | |
|  | | **Effect** | | **BootSE** | | | **BootLLCI** | | | **BootULCI** | |
| **TOTAL** | | 0.3932 | | 0.1133 | | | 0.1922 | | | 0.6344 | |
| **COMM** | | 0.4150 | | 0.1120 | | | 0.2180 | | | 0.6544 | |
| **DIFF** | | -0.0218 | | 0.0275 | | | -0.0866 | | | 0.0258 | |
| **(C1)** | | 0.4368 | | 0.1174 | | | 0.2272 | | | 0.6852 | |
| **Normal theory test for indirect effect(s):** | | | | | | | | | | |
|  | | **Effect** | | **se** | | | **Z** | | **p** | |
| **COMM** | | 0.4150 | | 0.1056 | | | 3.9301 | | 0.0001 | |
| **DIFF** | | -0.0218 | | 0.0283 | | | -0.7703 | | 0.4411 | |

| **Specific indirect effect contrast definition(s):** | | | | |
| --- | --- | --- | --- | --- |
| **(C1)** |  | COMM | minus | DIFF |

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| \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ANALYSIS NOTES AND ERRORS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |

| **Level of confidence for all confidence intervals inoutput:** |
| --- |
| 95.0000 |

| **Number of bootstrap samples for percentile bootstrap confidence intervals:** |
| --- |
| 10000 |