**Regression**

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| **Notes** |  |  |
| Output Created |  | 30-NOV-2024 17:21:08 |
| Comments |  |  |
| Input | Data | C:\Users\bhuvansh\Desktop\cleaned\_data.csv |
| Active Dataset | DataSet1 |
| Filter | <none> |
| Weight | <none> |
| Split File | <none> |
| N of Rows in Working Data File | 27 |
| Missing Value Handling | Definition of Missing | User-defined missing values are treated as missing. |
| Cases Used | Statistics are based on cases with no missing values for any variable used. |
| Syntax |  | REGRESSION /DESCRIPTIVES MEAN STDDEV CORR SIG N /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL CHANGE ZPP /CRITERIA=PIN(.05) POUT(.10) TOLERANCE(.0001) /NOORIGIN /DEPENDENT Culture\_Connect /METHOD=ENTER Age Cult\_Back Game\_Type. |
| Resources | Processor Time | 00:00:00.00 |
| Elapsed Time | 00:00:00.01 |
| Memory Required | 3616 bytes |
| Additional Memory Required for Residual Plots | 0 bytes |

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| **Descriptive Statistics** |  |  |  |
|  | Mean | Std. Deviation | N |
| Culture\_Connect | 3.48 | 1.528 | 27 |
| Age | 24.70 | 3.740 | 27 |
| Cult\_Back | .85 | .362 | 27 |
| Game\_Type | 1.41 | .501 | 27 |

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| **Correlations** |  |  |  |  |  |
|  |  | Culture\_Connect | Age | Cult\_Back | Game\_Type |
| Pearson Correlation | Culture\_Connect | 1.000 | -.364 | .551 | -.517 |
| Age | -.364 | 1.000 | -.659 | .211 |
| Cult\_Back | .551 | -.659 | 1.000 | -.079 |
| Game\_Type | -.517 | .211 | -.079 | 1.000 |
| Sig. (1-tailed) | Culture\_Connect | . | .031 | .001 | .003 |
| Age | .031 | . | .000 | .146 |
| Cult\_Back | .001 | .000 | . | .348 |
| Game\_Type | .003 | .146 | .348 | . |
| N | Culture\_Connect | 27 | 27 | 27 | 27 |
| Age | 27 | 27 | 27 | 27 |
| Cult\_Back | 27 | 27 | 27 | 27 |
| Game\_Type | 27 | 27 | 27 | 27 |

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| **Variables Entered/Removed**a |  |  |  |
| Model | Variables Entered | Variables Removed | Method |
| 1 | Game\_Type, Cult\_Back, Ageb | . | Enter |

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| a. Dependent Variable: Culture\_Connect |  |  |  |
| b. All requested variables entered. |  |  |  |

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| **Model Summary** |  |  |  |  |  |  |  |
| Model | R | R Square | Adjusted R Square | Std. Error of the Estimate | Change Statistics |  |  |
| R Square Change | F Change | df1 |
| 1 | .735a | .540 | .480 | 1.102 | .540 | 8.999 | 3 |

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| **Model Summary** |  |  |
| Model | Change Statistics |  |
| df2 | Sig. F Change |
| 1 | 23 | <.001 |

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| a. Predictors: (Constant), Game\_Type, Cult\_Back, Age |  |  |

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| **ANOVA**a |  |  |  |  |  |  |
| Model |  | Sum of Squares | df | Mean Square | F | Sig. |
| 1 | Regression | 32.798 | 3 | 10.933 | 8.999 | <.001b |
| Residual | 27.942 | 23 | 1.215 |  |  |
| Total | 60.741 | 26 |  |  |  |

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| a. Dependent Variable: Culture\_Connect |  |  |  |  |  |  |
| b. Predictors: (Constant), Game\_Type, Cult\_Back, Age |  |  |  |  |  |  |

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| **Coefficients**a |  |  |  |  |  |  |  |
| Model |  | Unstandardized Coefficients |  | Standardized Coefficients | t | Sig. | Correlations |
|  | B | Std. Error | Beta | Zero-order |
| 1 | (Constant) | 2.071 | 2.412 |  | .858 | .399 |  |
| Age | .056 | .079 | .138 | .715 | .482 | -.364 |
| Cult\_Back | 2.543 | .796 | .602 | 3.194 | .004 | .551 |
| Game\_Type | -1.524 | .443 | -.499 | -3.438 | .002 | -.517 |

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| **Coefficients**a |  |  |  |  |  |
| Model |  | Correlations |  | Collinearity Statistics |  |
|  | Partial | Part | Tolerance | VIF |
| 1 | (Constant) |  |  |  |  |
| Age | .147 | .101 | .541 | 1.849 |
| Cult\_Back | .554 | .452 | .562 | 1.778 |
| Game\_Type | -.583 | -.486 | .949 | 1.054 |

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| a. Dependent Variable: Culture\_Connect |  |  |  |  |  |

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| **Collinearity Diagnostics**a |  |  |  |  |  |  |  |
| Model | Dimension | Eigenvalue | Condition Index | Variance Proportions |  |  |  |
| (Constant) | Age | Cult\_Back | Game\_Type |
| 1 | 1 | 3.770 | 1.000 | .00 | .00 | .01 | .01 |
| 2 | .157 | 4.893 | .00 | .01 | .37 | .12 |
| 3 | .068 | 7.462 | .02 | .04 | .03 | .87 |
| 4 | .005 | 28.488 | .98 | .95 | .59 | .00 |

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| a. Dependent Variable: Culture\_Connect |  |  |  |  |  |  |  |