**Tables**

**Table 1**

Survey Data

|  |  |  |
| --- | --- | --- |
| Category | n | % |
| Total Participants | 380 |  |
| Gender |  |  |
| * Female | 185 | 52% |
| * Male | 151 | 43% |
| * Non-binary/3rd gender | 10 | 3% |
| * Prefer not so say | 9 | 3% |
| Age |  |  |
| * 18-21 years | 166 | 52% |
| * 46+ years | 59 | 18% |
| * 22-25 years | 46 | 14% |
| * 26-45 years | 49 | 14% |
| Instructors | 103 | 32% |
| Students | 217 | 68% |
| * Computer Science & Mathematics | 61 | 19% |
| * Communication & the Arts | 49 | 15% |
| * Social & Behavioral Sciences | 47 | 15% |
| * School of Management | 32 | 10% |
| * Science | 22 | 7% |
| * Liberal Arts | 6 | 2% |

**Table 2**

Constructs and Composite Scores

|  |  |
| --- | --- |
| Category | Composite score |
| Awareness & Overall | AWARENESS |
| Opinion of ChatGPT |  |
| Benefits, Implications | BENEFITS |
| Limitations of ChatGPT | IMPLICATIONS |
|  | LIMITATIONS |
| Work Productivity when | WORK\_PRODUCTIVITY |
| using ChatGPT |  |
| ChatGPT and Plagiarism | PLAGIARISM |
| Future of ChatGPT | HIGHERED\_BENEFIT |
|  | SOCIAL\_IMPACT |
| Usage | USAGE |
| Use, trust and benefits | RESP\_USE\_TRUST\_BENEF |
| (matrix of 9 questions) |  |
| Response to ChatGPT Output | TRUST |

**Table 3**

Descriptive statistics for all composite scores

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | mean | std | min | median | max |
| AWARENESS | 0 | 1 | -0.75 | -0.75 | 2.50 |
| BENEFITS | 0 | 1 | -0.92 | 0.13 | 3.26 |
| LIMITATIONS | 0 | 1 | -1.02 | 0.04 | 3.24 |
| IMPLICATIONS | 0 | 1 | -0.82 | -0.82 | 3.44 |
| WORK\_PRODUCTIVITY | 0 | 1 | -1.73 | 0.00 | 3.60 |
| PLAGIARISM | 0 | 1 | -1.74 | -0.08 | 2.23 |
| SOCIAL\_IMPACT | 0 | 1 | -0.91 | -0.91 | 2.85 |
| HIGHERED\_BENEFIT | 0 | 1 | -1.15 | 0.28 | 1.71 |
| USAGE | 0 | 1 | -2.02 | -0.43 | 0.99 |
| RESP\_USE\_TRUST\_BENEF | 0 | 1 | -1.76 | -0.06 | 2.42 |
| TRUST | 0 | 1 | -1.66 | 0.00 | 1.95 |

n = 302 for all study constructs

**Table 4**

Correlations for all constructs

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | AWARENESS | 1.00 |  |  |  |  |  |  |  |  |  |  |
| 2 | BENEFITS | 0.15 | 1.00 |  |  |  |  |  |  |  |  |  |
| 3 | LIMITATIONS | 0.15 | 0.16 | 1.00 |  |  |  |  |  |  |  |  |
| 4 | IMPLICATIONS | 0.08 | -0.06 | 0.39 | 1.00 |  |  |  |  |  |  |  |
| 5 | WORK\_PRODUCTIVITY | 0.02 | 0.60 | -0.06 | -0.25 | 1.00 |  |  |  |  |  |  |
| 6 | PLAGIARISM | -0.04 | -0.26 | 0.10 | 0.23 | -0.26 | 1.00 |  |  |  |  |  |
| 7 | SOCIAL\_IMPACT | 0.06 | 0.16 | -0.04 | -0.04 | 0.15 | 0.00 | 1.00 |  |  |  |  |
| 8 | HIGHERED\_BENEFIT | 0.19 | 0.48 | 0.06 | -0.10 | 0.52 | -0.16 | 0.25 | 1.00 |  |  |  |
| 9 | USAGE | 0.30 | 0.48 | 0.17 | -0.11 | 0.40 | -0.24 | 0.14 | 0.34 | 1.00 |  |  |
| 10 | RESP\_USE\_TRUST\_BENEF | 0.13 | 0.66 | 0.00 | -0.21 | 0.71 | -0.36 | 0.24 | 0.57 | 0.59 | 1.00 |  |
| 11 | TRUST | -0.09 | 0.31 | -0.15 | -0.26 | 0.36 | -0.23 | 0.20 | 0.30 | 0.17 | 0.48 | 1.00 |

**Table 5**

Results of 3-way Analysis of Variance- RQ1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | SS | df | F | p-value |
| Awareness | AGE\_RANGE | 4.545 | 4 | 1.194 | 0.313 |
|  | GENDER | 16.367 | 3 | 5.735 | 0.001 |
|  | OCCUPATION | 0.042 | 1 | 0.045 | 0.833 |
|  | Residual | 278.702 | 293 |  |  |
| Benefits | AGE\_RANGE | 4.970 | 4 | 1.285 | 0.276 |
|  | GENDER | 10.972 | 3 | 3.782 | 0.011 |
|  | OCCUPATION | 0.450 | 1 | 0.466 | 0.495 |
|  | Residual | 283.330 | 293 |  |  |
| Limitations | AGE\_RANGE | 7.802 | 4 | 2.005 | 0.094 |
|  | GENDER | 5.939 | 3 | 2.035 | 0.109 |
|  | OCCUPATION | 0.751 | 1 | 0.772 | 0.380 |
|  | Residual | 285.038 | 293 |  |  |
| Implications | AGE\_RANGE | 6.205 | 4 | 1.704 | 0.149 |
|  | GENDER | 4.775 | 3 | 1.749 | 0.157 |
|  | OCCUPATION | 0.591 | 1 | 0.650 | 0.421 |
|  | Residual | 266.686 | 293 |  |  |
| Work | AGE\_RANGE | 4.457 | 4 | 1.166 | 0.326 |
| Productivity | GENDER | 13.481 | 3 | 4.703 | 0.003 |
|  | OCCUPATION | 0.105 | 1 | 0.110 | 0.740 |
|  | Residual | 279.937 | 293 |  |  |

**Table 6**

Results of 3-way Analysis of Variance- RQ2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | SS | df | F | p-value |
| Plagiarism | AGE\_RANGE | 4.157 | 4 | 1.090 | 0.362 |
|  | GENDER | 2.870 | 3 | 1.003 | 0.392 |
|  | OCCUPATION | 0.155 | 1 | 0.162 | 0.687 |
|  | Residual | 279.362 | 293 |  |  |
| Social | AGE\_RANGE | 6.309 | 4 | 1.614 | 0.171 |
| Impact | GENDER | 9.816 | 3 | 3.349 | 0.019 |
|  | OCCUPATION | 1.719 | 1 | 1.759 | 0.186 |
|  | Residual | 286.269 | 293 |  |  |
| Benefits to | AGE\_RANGE | 3.765 | 4 | 0.969 | 0.425 |
| Higher | GENDER | 9.661 | 3 | 3.316 | 0.020 |
| Education | OCCUPATION | 3.201 | 1 | 3.296 | 0.070 |
|  | Residual | 284.586 | 293 |  |  |
| Usage | AGE\_RANGE | 2.187 | 4 | 0.637 | 0.637 |
|  | GENDER | 39.455 | 3 | 15.314 | 0.000 |
|  | OCCUPATION | 0.933 | 1 | 1.086 | 0.298 |
|  | Residual | 251.630 | 293 |  |  |
| Trust | AGE\_RANGE | 6.638 | 4 | 1.758 | 0.137 |
|  | GENDER | 9.590 | 3 | 3.387 | 0.019 |
|  | OCCUPATION | 0.398 | 1 | 0.422 | 0.517 |
|  | Residual | 276.552 | 293 |  |  |
| Perception | AGE\_RANGE | 9.608 | 4 | 2.691 | 0.031 |
| of use, | GENDER | 23.279 | 3 | 8.692 | 0.000 |
| trust, and | OCCUPATION | 0.229 | 1 | 0.257 | 0.613 |
| benefits | Residual | 261.567 | 293 |  |  |

**Table 7**

Multicollinearity Analysis using Variance Inflation Factor (VIF)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **feature** | AWARENESS | BENEFITS | LIMITATIONS | IMPLICATIONS | WORK PRODUCTIVITY | PLAGIARISM |
| **VIF\_factor** | 1.190 | 2.090 | 1.376 | 1.375 | 2.337 | 1.227 |
| **feature** | SOCIAL IMPACT | HIGHERED BENEFIT | USAGE | RESP\_USE TRUST\_BENEF | TRUST |  |
| **VIF\_factor** | 1.135 | 1.670 | 1.862 | 3.635 | 1.464 |  |

VIF = 1: Not correlated to any other variables.

1 < VIF < 5: Moderately correlated, but within acceptable boundaries.

VIF >= 5: Indicates potential problematic multicollinearity

**Table 8**

Results of Ordered Logistic Regression - Target AGE\_RANGE

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | coef | stderr | z | P>|z| | [0.025 | 0.975] | odd\_ratio |
| AWARENESS | 0.328 | 0.125 | 2.628 | 0.009 | 0.083 | 0.572 | 1.388 |
| BENEFITS | 0.064 | 0.156 | 0.408 | 0.683 | -0.242 | 0.369 | 1.066 |
| LIMITATIONS | 0.009 | 0.142 | 0.062 | 0.951 | -0.269 | 0.287 | 1.009 |
| IMPLICATIONS | -0.501 | 0.149 | -3.363 | 0.001 | -0.792 | -0.209 | 0.606 |
| WORK\_PRODUCTIVITY | 0.129 | 0.162 | 0.800 | 0.424 | -0.187 | 0.446 | 1.138 |
| PLAGIARISM | -0.354 | 0.128 | -2.770 | 0.006 | -0.604 | -0.103 | 0.702 |
| SOCIAL\_IMPACT | -0.168 | 0.122 | -1.376 | 0.169 | -0.408 | 0.071 | 0.845 |
| HIGHERED\_BENEFIT | -0.483 | 0.152 | -3.183 | 0.001 | -0.781 | -0.186 | 0.617 |
| USAGE | 0.150 | 0.149 | 1.006 | 0.314 | -0.142 | 0.441 | 1.161 |
| TRUST | 0.376 | 0.134 | 2.816 | 0.005 | 0.114 | 0.638 | 1.457 |
| GENDER\_Male | -0.084 | 0.261 | -0.321 | 0.748 | -0.595 | 0.427 | 0.920 |
| GENDER\_NB3 | -0.120 | 0.678 | -0.177 | 0.859 | -1.449 | 1.208 | 0.887 |
| GENDER\_PNTS | -0.612 | 0.951 | -0.644 | 0.520 | -2.477 | 1.252 | 0.542 |

|  |  |
| --- | --- |
| n: 302  Df Residuals: 286  DF model: 12 | Wald chi-squared test statistic: 48.21  Wald chi-squared test p-value: 6.01e-06  McKelvey & Zavoina's R2: 0.596 |