Supplemental material 7: Nominal association tests (Phi and Cramer’s V)

between understanding of the lessons and the farmer’s socio-demographic parameters

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| Code used in this analysis:  1. Understanding of lesson: 1: Yes; 2: No  2. Sex: 1 Male, 2 Female  3. Age: 1: 1-20; 2: 21-30; 3: 31-40; 4: 41-50; 5: 51-60; 6:>60  4. Education: 1: Illiterate; 2: Literate/primary; 3: Secondary; 4: High school and above  5. Caste: 1: Brahmin/Chhetri; 2: Thakuri; 3: Newar; 4: Chepang; 5 Janajati; 6: Dalit; 7: Others  6. Group: 1 Control, 2 Test  Total sample size (n=179); Control (n=120); Test (n=59). | | | |
| Lesson 1 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.159 | 0.159 | 0.033 |
| Age | 0.179 | 0.179 | 0.333 |
| Education | 0.154 | 0.154 | 0.237 |
| Caste | 0.331 | 0.331 | 0.003 |
| Group | 0.310 | 0.310 | 0.001 |
| Lesson 2 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.062 | 0.062 | 0.404 |
| Age | 0.160 | 0.160 | 0.471 |
| Education | 0.077 | 0.077 | 0.785 |
| Caste | 0.297 | 0.297 | 0.015 |
| Group | 0.055 | 0.055 | 0.463 |
| Lesson 3 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.095 | 0.095 | 0.203 |
| Age | 0.184 | 0.184 | 0.306 |
| Education | 0.157 | 0.157 | 0.220 |
| Caste | 0.234 | 0.234 | 0.137 |
| Group | 0.219 | 0.219 | 0.004 |
| Lesson 4 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.054 | 0.054 | 0.471 |
| Age | 0.117 | 0.117 | 0.787 |
| Education | 0.232 | 0.232 | 0.220 |
| Caste | 0.353 | 0.353 | 0.001 |
| Group | 0.001 | 0.001 | 0.989 |
| Lesson 5 | Phi | Cramer's V | Approximate Significance |
| Sex | -0.003 | 0.003 | 0.973 |
| Age | 0.145 | 0.145 | 0.587 |
| Education | 0.148 | 0.148 | 0.270 |
| Caste | 0.2 | 0.2 | 0.310 |
| Group | 0.408 | 0.408 | 0.001 |
| Lesson 6 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.056 | 0.056 | 0.459 |
| Age | 0.188 | 0.188 | 0.285 |
| Education | 0.274 | 0.274 | 0.004 |
| Caste | 0.184 | 0.184 | 0.425 |
| Group | 0.306 | 0.306 | 0.001 |
| Lesson 7 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.001 | 0.001 | 0.985 |
| Age | 0.121 | 0.121 | 0.756 |
| Education | 0.139 | 0.139 | 0.327 |
| Caste | 0.223 | 0.223 | 0.181 |
| Group | 0.226 | 0.226 | 0.002 |
| Lesson 8 | Phi | Cramer's V | Approximate Significance |
| Sex | -0.128 | 0.128 | 0.087 |
| Age | 0.168 | 0.168 | 0.408 |
| Education | 0.286 | 0.286 | 0.002 |
| Caste | 0.374 | 0.374 | 0.000 |
| Group | 0.091 | 0.091 | 0.225 |
| Lesson 9 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.064 | 0.064 | 0.390 |
| Age | 0.152 | 0.152 | 0.531 |
| Education | 0.258 | 0.258 | 0.008 |
| Caste | 0.235 | 0.235 | 0.131 |
| Group | 0.298 | 0.298 | 0.000 |
| Lesson 10 | Phi | Cramer's V | Approximate Significance |
| Sex | -0.011 | 0.011 | 0.884 |
| Age | 0.111 | 0.111 | 0.821 |
| Education | 0.059 | 0.059 | 0.893 |
| Caste | 0.256 | 0.256 | 0.071 |
| Group | 0.001 | 0.001 | 0.992 |
| Lesson 11 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.048 | 0.048 | 0.525 |
| Age | 0.153 | 0.153 | 0.525 |
| Education | 0.135 | 0.135 | 0.359 |
| Caste | 0.366 | 0.366 | 0.001 |
| Group | 0.319 | 0.319 | 0.000 |
| Lesson 12 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.089 | 0.089 | 0.233 |
| Age | 0.181 | 0.181 | 0.318 |
| Education | 0.195 | 0.195 | 0.078 |
| Caste | 0.214 | 0.214 | 0.225 |
| Group | 0.251 | 0.251 | 0.001 |
| Lesson 13 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.015 | 0.015 | 0.846 |
| Age | 0.140 | 0.140 | 0.623 |
| Education | 0.191 | 0.191 | 0.090 |
| Caste | 0.270 | 0.257 | 0.065 |
| Group | 0.410 | 0.410 | 0.000 |
| Lesson 14 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.130 | 0.130 | 0.083 |
| Age | 0.151 | 0.151 | 0.540 |
| Education | 0.101 | 0.101 | 0.610 |
| Caste | 0.147 | 0.147 | 0.696 |
| Group | 0.154 | 0.154 | 0.040 |
| Lesson 15 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.061 | 0.061 | 0.415 |
| Age | 0.181 | 0.181 | 0.331 |
| Education | 0.199 | 0.199 | 0.073 |
| Caste | 0.213 | 0.213 | 0.240 |
| Group | 0.320 | 0.320 | 0.000 |
| Lesson 16 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.100 | 0.100 | 0.185 |
| Age | 0.205 | 0.205 | 0.194 |
| Education | 0.064 | 0.064 | 0.870 |
| Caste | 0.225 | 0.225 | 0.177 |
| Group | 0.242 | 0.242 | 0.001 |
| Lesson 17 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.004 | 0.004 | 0.956 |
| Age | 0.160 | 0.160 | 0.473 |
| Education | 0.024 | 0.024 | 0.992 |
| Caste | 0.329 | 0.329 | 0.004 |
| Group | 0.111 | 0.111 | 0.139 |
| Lesson 18 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.118 | 0.118 | 0.119 |
| Age | 0.142 | 0.142 | 0.615 |
| Education | 0.156 | 0.156 | 0.232 |
| Caste | 0.262 | 0.262 | 0.060 |
| Group | 0.260 | 0.260 | 0.001 |
| Lesson 19 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.076 | 0.076 | 0.314 |
| Age | 0.176 | 0.176 | 0.359 |
| Education | 0.220 | 0.220 | 0.036 |
| Caste | 0.235 | 0.235 | 0.135 |
| Group | 0.492 | 0.492 | 0.000 |
| Lesson 20 | Phi | Cramer's V | Approximate Significance |
| Sex | 0.061 | 0.061 | 0.414 |
| Age | 0.122 | 0.122 | 0.752 |
| Education | 0.119 | 0.119 | 0.466 |
| Caste | 0.175 | 0.175 | 0.483 |
| Group | 0.106 | 0.106 | 0.158 |