

Summary of winsorized responses for gain estimates of skill/knowledge based on the stacking of pre- and post-test data with GPCM in the pilot empirical study

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Table 1: Summary of Winsorized responses for gain estimates of skill/knowledge based on the stacking of pre- and post-test data with GPCM in the pilot empirical study

| @@ | UserID | Type | ... | PlayerRole | gain.theta |
|-----|--------|--------------|-----|----------------|-----------------|
| ... | ... | ... | ... | ... | ... |
| | 10122 | non-gamified | ... | | 2.7886 |
| -> | 10126 | ont-gamified | ... | Yee Socializer | 1.4265->2.2194 |
| -> | 10129 | non-gamified | ... | | 5.2144->4.4582 |
| | 10130 | non-gamified | ... | | 3.2096 |
| ... | ... | ... | ... | ... | ... |
| | 10139 | ont-gamified | ... | Yee Achiever | 5.4557 |
| -> | 10141 | ont-gamified | ... | Yee Socializer | 8.5105->6.2766 |
| -> | 10143 | ont-gamified | ... | Yee Socializer | -0.6454->2.2194 |
| | 10144 | non-gamified | ... | | 0.8818 |
| | 10145 | non-gamified | ... | | 0.0659 |
| -> | 10146 | non-gamified | ... | | 5.4657->4.4582 |
| | 10148 | ont-gamified | ... | Yee Socializer | 6.3871 |
| ... | ... | ... | ... | ... | ... |