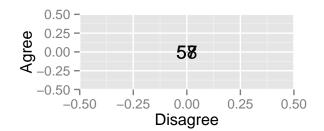
Comparison of Versions of Kinship Links

Joe Rodger's BG Team March 16, 2013

Newer Links Version: 58; Older Links Version: 57;

Newer Links:
Older Links:



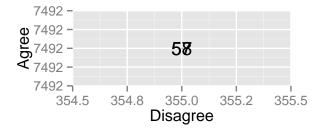


Figure 1: ROC for Gen1Housemates (left) and Gen2Siblings (right)

| R | Implicit2004 | Implicit | Roster | Explicit | Eventual |
|-------|--------------|----------|--------|----------|----------|
| 0 | - | - | 478 | - | - |
| 0.125 | 76 | - | 96 | - | 96 |
| 0.25 | 43 | - | - | 262 | 255 |
| 0.375 | 310 | - | - | 47 | |
| 0.5 | 1877 | - | - | 3596 | 3573 |
| 0.75 | 32 | - | - | - | |
| 1 | - | - | - | - | 11 |
| _ | 2964 | 5302 | 4728 | 1397 | 1367 |

Table 1: Counts for Gen1Housemates

| R | Implicit2004 | Implicit | Roster | Explicit | Eventual |
|-------|--------------|----------|--------|----------|----------|
| 0 | - | = | 478 | - | - |
| 0.125 | 76 | - | 96 | - | 96 |
| 0.25 | 43 | - | - | 262 | 255 |
| 0.375 | 310 | - | - | 47 | - |
| 0.5 | 1877 | - | - | 3596 | 3573 |
| 0.75 | 32 | - | - | - | _ |
| 1 | - | _ | _ | _ | 11 |
| - | 2964 | 5302 | 4728 | 1397 | 1367 |

Table 2: Counts for Gen1Housemates (Previous version of links)

| R | Implicit2004 | Implicit | Explicit | Eventual |
|-------|--------------|----------|----------|----------|
| 0.25 | 2221 | 3012 | 2975 | 3442 |
| 0.375 | 2663 | - | 244 | 610 |
| 0.5 | 5778 | 6731 | 5599 | 6997 |
| 0.75 | - | 12 | - | 12 |
| 1 | 36 | 27 | 22 | 27 |
| - | 390 | 1306 | 2248 | 0 |

Table 3: Counts for Gen2Siblings

| R | Implicit2004 | Implicit | Explicit | Eventual |
|-------|--------------|----------|----------|----------|
| 0.25 | 2221 | 3012 | 2975 | 3442 |
| 0.375 | 2663 | - | 244 | 610 |
| 0.5 | 5778 | 6731 | 5599 | 6997 |
| 0.75 | - | 12 | - | 12 |
| 1 | 36 | 27 | 22 | 27 |
| _ | 390 | 1306 | 2248 | 0 |

Table 4: Counts for Gen2Siblings (Previous version of links)

| Count | RImplicit2004 | RImplicit | RExplicit | RRoster | Delta |
|-------|---------------|-----------|-----------|---------|-------|
| 1801 | - | - | 0.500 | - | 0 |
| 1512 | 0.500 | - | 0.500 | - | 0 |
| 538 | - | - | - | - | 0 |
| 329 | - | - | - | 0.000 | 0 |
| 230 | 0.500 | - | - | - | 0 |
| 220 | 0.375 | - | 0.500 | - | 0 |
| 215 | - | - | 0.250 | - | 0 |
| 103 | 0.500 | - | - | 0.000 | 0 |
| 50 | 0.125 | - | - | 0.125 | 0 |
| 48 | 0.375 | - | - | - | 0 |
| 36 | - | - | - | 0.125 | 0 |
| 32 | - | - | 0.375 | - | 0 |
| 20 | 0.250 | - | 0.500 | - | 0 |
| 20 | 0.750 | - | 0.500 | - | 0 |
| 19 | 0.500 | - | 0.250 | - | 0 |
| 18 | 0.375 | - | 0.250 | - | 0 |
| 14 | 0.125 | - | 0.500 | - | 0 |
| 14 | 0.375 | - | - | 0.000 | 0 |
| 11 | 0.250 | - | - | 0.000 | 0 |
| 10 | 0.500 | - | 0.375 | - | 0 |
| 9 | 0.250 | - | - | - | 0 |
| 7 | 0.125 | - | - | - | 0 |
| 7 | 0.750 | - | - | - | 0 |
| 6 | - | - | 0.250 | 0.000 | 0 |
| 5 | 0.375 | - | 0.375 | - | 0 |
| 5 | 0.750 | - | - | 0.000 | 0 |
| 5 | - | - | 0.500 | 0.000 | 0 |
| 4 | 0.375 | - | - | 0.125 | 0 |
| 3 | 0.125 | - | - | 0.000 | 0 |
| 2 | 0.250 | - | 0.250 | - | 0 |
| 2 | 0.500 | - | - | 0.125 | 0 |
| 1 | 0.125 | - | 0.250 | - | 0 |
| 1 | 0.125 | _ | 0.500 | 0.125 | 0 |
| 1 | 0.250 | - | - | 0.125 | 0 |
| 1 | 0.375 | - | 0.500 | 0.000 | 0 |
| 1 | 0.500 | _ | 0.500 | 0.000 | 0 |
| 1 | - | _ | 0.250 | 0.125 | 0 |
| 1 | - | - | 0.500 | 0.125 | 0 |

Table 5: Counts for Gen1House mates

| Count | RImplicit2004 | RImplicit | RExplicit | RRoster | Delta |
|-------|---------------|-----------|-----------|---------|-------|
| 4406 | 0.500 | 0.500 | 0.500 | - | 0 |
| 1599 | 0.250 | 0.250 | 0.250 | - | 0 |
| 1095 | 0.500 | 0.500 | - | - | 0 |
| 534 | 0.375 | 0.500 | 0.500 | - | 0 |
| 532 | 0.375 | 0.250 | 0.250 | _ | 0 |
| 478 | 0.375 | - | _ | - | 0 |
| 369 | 0.375 | - | 0.250 | _ | 0 |
| 257 | 0.375 | _ | 0.500 | _ | 0 |
| 208 | 0.250 | 0.250 | - | _ | 0 |
| 169 | 0.375 | 0.500 | _ | _ | 0 |
| 121 | 0.375 | 0.250 | _ | _ | 0 |
| 119 | - | 0.500 | 0.500 | _ | 0 |
| 109 | 0.500 | 0.250 | 0.250 | _ | 0 |
| 98 | _ | 0.250 | 0.250 | _ | 0 |
| 91 | 0.250 | 0.250 | 0.375 | _ | 0 |
| 86 | 0.250 | 0.250 | 0.500 | _ | 0 |
| 77 | 0.375 | 0.250 | 0.500 | _ | 0 |
| 75 | 0.500 | 0.500 | 0.250 | _ | 0 |
| 75 | - | 0.500 | _ | _ | 0 |
| 73 | 0.250 | 0.500 | 0.500 | _ | 0 |
| 66 | 0.250 | - | 0.250 | _ | 0 |
| 50 | 0.375 | 0.500 | 0.250 | _ | 0 |
| 41 | 0.250 | 0.500 | 0.250 | _ | 0 |
| 41 | 0.500 | 0.500 | 0.375 | _ | 0 |
| 30 | 0.375 | - | 0.375 | _ | 0 |
| 29 | - | _ | 0.250 | _ | 0 |
| 29 | _ | _ | - | _ | 0 |
| 23 | 0.375 | 0.250 | 0.375 | _ | 0 |
| 23 | 0.375 | 0.500 | 0.375 | _ | 0 |
| 21 | 1.000 | 1.000 | 1.000 | _ | 0 |
| 18 | 0.500 | 0.250 | 0.500 | _ | 0 |
| 17 | 0.250 | _ | 0.500 | _ | 0 |
| 17 | - | 0.250 | _ | _ | 0 |
| 15 | 0.500 | 0.250 | 0.375 | _ | 0 |
| 14 | 0.250 | _ | _ | _ | 0 |
| 13 | 0.250 | 0.500 | - | _ | 0 |
| 12 | 1.000 | 0.750 | _ | _ | 0 |
| 11 | 0.500 | 0.250 | _ | _ | 0 |
| 10 | 0.250 | 0.500 | 0.375 | _ | 0 |
| 6 | - | - | 0.500 | - | 0 |
| 4 | - | 0.250 | 0.500 | _ | 0 |
| 4 | _ | 0.500 | 0.250 | _ | 0 |
| 3 | 0.250 | - | 0.375 | - | 0 |
| 3 | 0.500 | _ | 0.250 | _ | 0 |
| 3 | 1.000 | 1.000 | - | - | 0 |
| 3 | - | 0.250 | 0.375 | _ | 0 |
| 3 | - | 0.500 | 0.375 | _ | 0 |
| 2 | 0.500 | _ | 0.500 | _ | 0 |
| 2 | _ | _ | 0.375 | _ | 0 |
| 1 | 0.500 | 1.000 | 1.000 | - | 0 |
| 1 | 0.500 | 1.000 | - | - | 0 |
| 1 | 0.500 | - | - | - | 0 |
| 1 | - | 1.000 | - | - | 0 |
| | | | | | |

Table 6: Counts for Gen2Siblings