

# Comparison of Versions of Kinship Links

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Newer Links Version: 77; Older Links Version: 76;

Newer Links: R excludes SameGeneration==0

Older Links: Uses AlwaysLivedWithBothBioparents

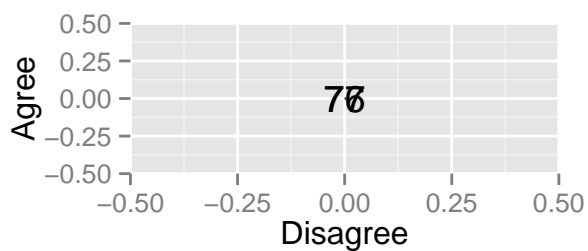
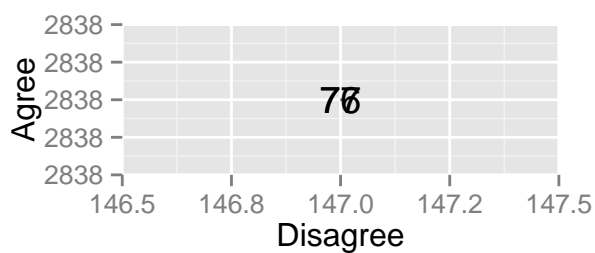


Figure 1: ROC for Gen1Housemates (left) and Gen2Siblings (right)

| R      | Implicit2004 | Implicit | Roster | Explicit | Eventual |
|--------|--------------|----------|--------|----------|----------|
| 0      | -            | 82       | 478    | 41       | 539      |
| 0.0625 | -            | -        | -      | 2        | 47       |
| 0.125  | 76           | -        | 96     | -        | 96       |
| 0.25   | 43           | 33       | -      | 273      | 274      |
| 0.375  | 310          | -        | -      | 37       | 15       |
| 0.5    | 1877         | 3771     | -      | 3598     | 4045     |
| 0.75   | 32           | -        | -      | -        | 11       |
| 1      | -            | -        | -      | -        | 11       |
| -      | 2964         | 1416     | 4728   | 1351     | 264      |

Table 1: Counts for Gen1Housemates

| R      | Implicit2004 | Implicit | Roster | Explicit | Eventual |
|--------|--------------|----------|--------|----------|----------|
| 0      | -            | 82       | 478    | 41       | 539      |
| 0.0625 | -            | -        | -      | 2        | 47       |
| 0.125  | 76           | -        | 96     | -        | 96       |
| 0.25   | 43           | 33       | -      | 273      | 274      |
| 0.375  | 310          | -        | -      | 37       | 15       |
| 0.5    | 1877         | 3771     | -      | 3598     | 4045     |
| 0.75   | 32           | -        | -      | -        | 11       |
| 1      | -            | -        | -      | -        | 11       |
| -      | 2964         | 1416     | 4728   | 1351     | 264      |

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

| R | Implicit2004 | Implicit | Explicit | Eventual |
|---|--------------|----------|----------|----------|
| - | 0            | 0        | 0        | 0        |

Table 3: Counts for Gen2Siblings

| R | Implicit2004 | Implicit | Explicit | Eventual |
|---|--------------|----------|----------|----------|
| - | 0            | 0        | 0        | 0        |

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

| Count | RImplicit2004 | RImplicit | RExplicit | RRoster | Delta |
|-------|---------------|-----------|-----------|---------|-------|
| 1477  | 0.500         | 0.500     | 0.500     | -       | 0     |
| 1287  | -             | 0.500     | 0.500     | -       | 0     |
| 501   | -             | -         | 0.500     | -       | 0     |
| 244   | -             | -         | -         | -       | 0     |
| 236   | -             | 0.500     | -         | -       | 0     |
| 215   | 0.500         | 0.500     | -         | -       | 0     |
| 198   | -             | 0.500     | -         | 0.000   | 0     |
| 177   | 0.375         | -         | 0.500     | -       | 0     |
| 148   | -             | -         | 0.250     | -       | 0     |
| 100   | 0.500         | 0.500     | -         | 0.000   | 0     |
| 99    | -             | -         | -         | 0.000   | 0     |
| 71    | -             | 0.500     | 0.250     | -       | 0     |
| 41    | 0.375         | -         | -         | -       | 0     |
| 39    | 0.375         | 0.500     | 0.500     | -       | 0     |
| 29    | 0.125         | 0.500     | -         | 0.125   | 0     |
| 27    | 0.500         | -         | 0.500     | -       | 0     |
| 25    | -             | 0.000     | -         | 0.000   | 0     |
| 19    | 0.125         | -         | -         | 0.125   | 0     |
| 19    | -             | 0.000     | -         | -       | 0     |
| 18    | 0.500         | 0.500     | 0.250     | -       | 0     |
| 18    | -             | -         | 0.000     | -       | 0     |
| 17    | 0.375         | -         | 0.250     | -       | 0     |
| 15    | 0.500         | -         | -         | -       | 0     |
| 15    | -             | -         | 0.375     | -       | 0     |
| 14    | -             | 0.500     | -         | 0.125   | 0     |
| 13    | 0.250         | -         | 0.500     | -       | 0     |
| 12    | 0.750         | 0.500     | 0.500     | -       | 0     |
| 11    | -             | 0.500     | 0.375     | -       | 0     |
| 10    | 0.125         | -         | 0.500     | -       | 0     |
| 10    | -             | -         | -         | 0.125   | 0     |
| 9     | -             | 0.500     | 0.000     | -       | 0     |
| 8     | 0.250         | -         | -         | 0.000   | 0     |
| 8     | 0.250         | -         | -         | -       | 0     |
| 8     | 0.500         | 0.250     | 0.500     | -       | 0     |
| 8     | -             | 0.000     | 0.500     | -       | 0     |
| 7     | 0.250         | 0.500     | 0.500     | -       | 0     |
| 7     | 0.750         | -         | 0.500     | -       | 0     |
| 7     | -             | 0.250     | 0.500     | -       | 0     |
| 5     | 0.375         | 0.000     | 0.500     | -       | 0     |
| 5     | 0.375         | 0.500     | -         | -       | 0     |
| 5     | 0.375         | -         | -         | 0.000   | 0     |
| 5     | 0.500         | 0.500     | 0.375     | -       | 0     |
| 5     | 0.750         | -         | -         | -       | 0     |
| 5     | -             | 0.000     | 0.250     | -       | 0     |
| 5     | -             | 0.000     | -         | 0.125   | 0     |
| 5     | -             | 0.250     | -         | 0.000   | 0     |
| 5     | -             | 0.250     | -         | 0.125   | 0     |
| 4     | 0.125         | 0.500     | 0.500     | -       | 0     |
| 4     | 0.375         | 0.000     | -         | 0.000   | 0     |
| 4     | 0.375         | 0.500     | -         | 0.000   | 0     |
| 4     | 0.375         | -         | 0.375     | -       | 0     |
| 3     | 0.125         | -         | -         | 0.000   | 0     |
| 3     | 0.125         | -         | -         | -       | 0     |
| 3     | 0.750         | 0.500     | -         | 0.000   | 0     |
| 3     | 0.750         | 0.500     | -         | -       | 0     |
| 3     | -             | 0.000     | 0.000     | -       | 0     |
| 3     | -             | 0.500     | 0.250     | 0.000   | 0     |
| 3     | -             | 0.500     | 0.500     | 0.000   | 0     |
| 2     | 0.125         | 0.500     | 0.000     | -       | 0     |
| 2     | 0.250         | 0.500     | -         | 0.000   | 0     |
| 2     | 0.250         | -         | 0.250     | -       | 0     |
| 2     | 0.375         | 0.000     | -         | 0.125   | 0     |
| 2     | 0.375         | 0.000     | -         | -       | 0     |
| 2     | 0.375         | -         | -         | 0.125   | 0     |
| 2     | 0.500         | 0.250     | -         | 0.000   | 0     |