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## 1 Top visited private HS (2-mode network)

| school id | school name              | city          | state | region | religion       | pct blacklatinxnative | ranking_score | ranking_numeric | degree | closeness | strength |
|-----------|--------------------------|---------------|-------|--------|----------------|-----------------------|---------------|-----------------|--------|-----------|----------|
| 00209534  | KENT DENVER SCHOOL       | ENGLEWOOD     | CO    | 4      | other religion | 6.370370              | A+            | 122             | 23     | 0.4744398 | 24       |
| 00233261  | CHOATE ROSEMARY HALL     | WALLINGFORD   | CT    | 1      | nonsectarian   | 15.882353             | A+            | 8               | 21     | 0.4318037 | 34       |
| BB980038  | HARVARD-WESTLAKE SCHOOL  | STUDIO CITY   | CA    | 4      | other_religion | 16.708385             | A+            | 6               | 21     | 0.4464580 | 22       |
| 00869171  | THE LAWRENCEVILLE SCHOOL | LAWRENCEVILLE | NJ    | 1      | nonsectarian   | 15.911873             | A+            | 10              | 20     | 0.4518173 | 22       |
| 00909478  | ALBUQUERQUE ACADEMY      | ALBUQUERQUE   | NM    | 4      | nonsectarian   | 15.862069             | A+            | 83              | 20     | 0.4205462 | 22       |
| 00941729  | DALTON SCHOOL            | NEW YORK      | NY    | 1      | nonsectarian   | 12.718964             | A+            | 32              | 20     | 0.4151348 | 26       |
| 01462315  | UNIVERSITY PREP          | SEATTLE       | WA    | 4      | nonsectarian   | 9.683099              | A+            | 249             | 20     | 0.4476379 | 22       |
| 01601838  | ST IGNATIUS COLLEGE PREP | CHICAGO       | IL    | 2      | catholic       | 24.253460             | A+            | 298             | 20     | 0.4185975 | 24       |
| A0109386  | GREENHILL SCHOOL         | ADDISON       | TX    | 3      | nonsectarian   | 16.679718             | A+            | 64              | 20     | 0.4610412 | 20       |
| 00078419  | THE BISHOP'S SCHOOL      | LA JOLLA      | CA    | 4      | other_religion | 0.000000              | A+            | 43              | 19     | 0.4297494 | 19       |
| 00083611  | THE ATHENIAN SCHOOL      | DANVILLE      | CA    | 4      | nonsectarian   | 12.213741             | A+            | 106             | 19     | 0.4336000 | 21       |
| 00233115  | THE HOTCHKISS SCHOOL     | LAKEVILLE     | CT    | 1      | nonsectarian   | 14.006515             | A+            | 17              | 19     | 0.4351317 | 30       |
| 00253448  | MARET SCHOOL             | WASHINGTON    | DC    | 3      | nonsectarian   | 23.112481             | A+            | 100             | 19     | 0.4506152 | 19       |
| 00580238  | THE BRYN MAWR SCHOOL     | BALTIMORE     | MD    | 3      | nonsectarian   | 18.491124             | A+            | 98              | 19     | 0.4361120 | 19       |
| 00603199  | PHILLIPS ACADEMY         | ANDOVER       | MA    | 1      | nonsectarian   | 11.759505             | NA            | NA              | 19     | 0.4387953 | 30       |
| 01161555  | OREGON EPISCOPAL SCHOOL  | PORTLAND      | OR    | 4      | other_religion | 4.470588              | A+            | 135             | 19     | 0.4292049 | 19       |
| 01433226  | EPISCOPAL HIGH SCHOOL    | ALEXANDRIA    | VA    | 3      | other_religion | 16.447368             | A+            | 141             | 19     | 0.3869218 | 32       |
| Z1328448  | THE KINKAID SCHOOL       | HOUSTON       | TX    | 3      | nonsectarian   | 8.654545              | A+            | 89              | 19     | 0.4642001 | 21       |
| 00083429  | HEAD ROYCE SCHOOL        | OAKLAND       | CA    | 4      | nonsectarian   | 16.628959             | A+            | 42              | 18     | 0.4230409 | 18       |
| 00083473  | MARIN ACADEMY            | SAN RAFAEL    | CA    | 4      | nonsectarian   | 9.669811              | A+            | 129             | 18     | 0.4331841 | 18       |

Table  $\ref{eq:condition}$  shows characteristics of the 20 private high schools that were visited by the most private colleges and universities

| school_id | school_name              | city          | state | region | religion       | pct_blacklatinxnative | ranking_score | ranking_numeric | degree | closeness | strength |
|-----------|--------------------------|---------------|-------|--------|----------------|-----------------------|---------------|-----------------|--------|-----------|----------|
| 00209534  | KENT DENVER SCHOOL       | ENGLEWOOD     | CO    | 4      | other_religion | 6.370370              | A+            | 122             | 23     | 0.4744398 | 24       |
| 00233261  | CHOATE ROSEMARY HALL     | WALLINGFORD   | CT    | 1      | nonsectarian   | 15.882353             | A+            | 8               | 21     | 0.4318037 | 34       |
| BB980038  | HARVARD-WESTLAKE SCHOOL  | STUDIO CITY   | CA    | 4      | other_religion | 16.708385             | A+            | 6               | 21     | 0.4464580 | 22       |
| 00869171  | THE LAWRENCEVILLE SCHOOL | LAWRENCEVILLE | NJ    | 1      | nonsectarian   | 15.911873             | A+            | 10              | 20     | 0.4518173 | 22       |
| 00909478  | ALBUQUERQUE ACADEMY      | ALBUQUERQUE   | NM    | 4      | nonsectarian   | 15.862069             | A+            | 83              | 20     | 0.4205462 | 22       |
| 00941729  | DALTON SCHOOL            | NEW YORK      | NY    | 1      | nonsectarian   | 12.718964             | A+            | 32              | 20     | 0.4151348 | 26       |
| 01462315  | UNIVERSITY PREP          | SEATTLE       | WA    | 4      | nonsectarian   | 9.683099              | A+            | 249             | 20     | 0.4476379 | 22       |
| 01601838  | ST IGNATIUS COLLEGE PREP | CHICAGO       | IL    | 2      | catholic       | 24.253460             | A+            | 298             | 20     | 0.4185975 | 24       |
| A0109386  | GREENHILL SCHOOL         | ADDISON       | TX    | 3      | nonsectarian   | 16.679718             | A+            | 64              | 20     | 0.4610412 | 20       |
| 00078419  | THE BISHOP'S SCHOOL      | LA JOLLA      | CA    | 4      | other_religion | 0.000000              | A+            | 43              | 19     | 0.4297494 | 19       |
| 00083611  | THE ATHENIAN SCHOOL      | DANVILLE      | CA    | 4      | nonsectarian   | 12.213741             | A+            | 106             | 19     | 0.4336000 | 21       |
| 00233115  | THE HOTCHKISS SCHOOL     | LAKEVILLE     | CT    | 1      | nonsectarian   | 14.006515             | A+            | 17              | 19     | 0.4351317 | 30       |
| 00253448  | MARET SCHOOL             | WASHINGTON    | DC    | 3      | nonsectarian   | 23.112481             | A+            | 100             | 19     | 0.4506152 | 19       |
| 00580238  | THE BRYN MAWR SCHOOL     | BALTIMORE     | MD    | 3      | nonsectarian   | 18.491124             | A+            | 98              | 19     | 0.4361120 | 19       |
| 00603199  | PHILLIPS ACADEMY         | ANDOVER       | MA    | 1      | nonsectarian   | 11.759505             | NA            | NA              | 19     | 0.4387953 | 30       |
| 01161555  | OREGON EPISCOPAL SCHOOL  | PORTLAND      | OR    | 4      | other_religion | 4.470588              | A+            | 135             | 19     | 0.4292049 | 19       |
| 01433226  | EPISCOPAL HIGH SCHOOL    | ALEXANDRIA    | VA    | 3      | other_religion | 16.447368             | A+            | 141             | 19     | 0.3869218 | 32       |
| Z1328448  | THE KINKAID SCHOOL       | HOUSTON       | TX    | 3      | nonsectarian   | 8.654545              | A+            | 89              | 19     | 0.4642001 | 21       |
| 00083429  | HEAD ROYCE SCHOOL        | OAKLAND       | CA    | 4      | nonsectarian   | 16.628959             | A+            | 42              | 18     | 0.4230409 | 18       |
| 00083473  | MARIN ACADEMY            | SAN RAFAEL    | CA    | 4      | nonsectarian   | 9.669811              | A+            | 129             | 18     | 0.4331841 | 18       |

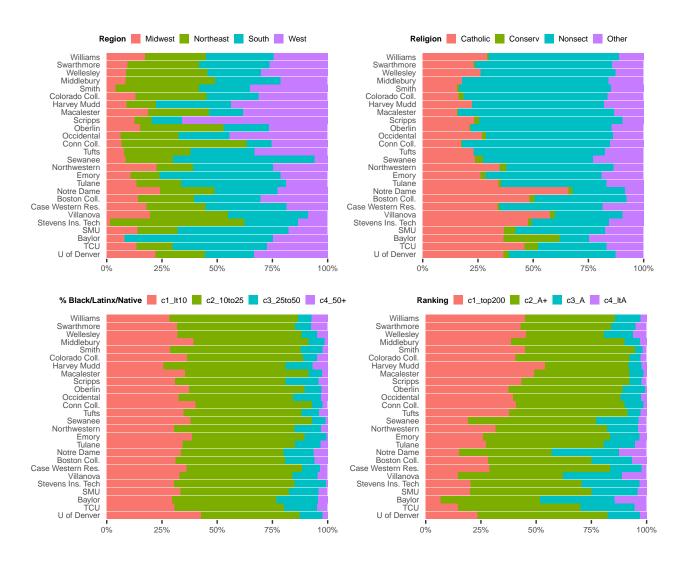
# 2 Aggregated visited private HS (2-mode network)

| Degree | Count | Northeast | Midwest | South | West  | Catholic | Conservative Christian | Nonsectarian | Other | <10%  | 10-25% | 25-50% | 50%+  | Top 200 | A+    | A     | <a< th=""><th>rank_NA</th></a<> | rank_NA |
|--------|-------|-----------|---------|-------|-------|----------|------------------------|--------------|-------|-------|--------|--------|-------|---------|-------|-------|---------------------------------|---------|
| 15+    | 79    | 20.3%     | 13.9%   | 31.6% | 34.2% | 13.9%    | NA                     | 69.6%        | 16.5% | 27.8% | 62.0%  | 7.6%   | 2.5%  | 68.4%   | 29.1% | 1.3%  | NA                              | 1.3%    |
| 10-14  | 153   | 29.4%     | 13.1%   | 30.1% | 27.5% | 29.4%    | 1.3%                   | 56.9%        | 12.4% | 31.4% | 57.5%  | 6.5%   | 4.6%  | 30.1%   | 58.8% | 6.5%  | 1.3%                            | 3.3%    |
| 5-9    | 243   | 27.2%     | 11.1%   | 39.9% | 21.8% | 44.9%    | 3.3%                   | 37.4%        | 14.4% | 39.9% | 43.2%  | 14.0%  | 2.9%  | 8.2%    | 66.3% | 21.4% | 2.1%                            | 2.1%    |
| 4      | 87    | 28.7%     | 12.6%   | 43.7% | 14.9% | 59.8%    | 6.9%                   | 17.2%        | 16.1% | 41.4% | 42.5%  | 12.6%  | 3.4%  | 1.1%    | 51.7% | 41.4% | 3.4%                            | 2.3%    |
| 3      | 114   | 27.2%     | 26.3%   | 39.5% | 7.0%  | 54.4%    | 5.3%                   | 26.3%        | 14.0% | 32.5% | 49.1%  | 12.3%  | 6.1%  | NA      | 34.2% | 43.9% | 13.2%                           | 8.8%    |
| 2      | 171   | 28.7%     | 21.6%   | 33.9% | 15.8% | 55.6%    | 8.2%                   | 19.3%        | 17.0% | 39.8% | 33.3%  | 19.9%  | 7.0%  | 1.2%    | 24.6% | 43.9% | 25.1%                           | 5.3%    |
| 1      | 272   | 21.7%     | 21.3%   | 42.3% | 14.7% | 55.1%    | 13.2%                  | 16.2%        | 15.4% | 31.6% | 38.6%  | 18.4%  | 11.4% | 0.4%    | 22.4% | 33.5% | 39.0%                           | 4.8%    |

## 3 Ego network table

| University        | Cluster | Type     | Rank | Northeast | Midwest | South | West  | Catholic | Conserv | Nonsect | Other | c1_lt10 | c2_10to25 | c3_25to50 | c4_50+ | c1_top200 | c2_A+ | c3_A  | c4_ltA |
|-------------------|---------|----------|------|-----------|---------|-------|-------|----------|---------|---------|-------|---------|-----------|-----------|--------|-----------|-------|-------|--------|
| Williams          | 1       | lib arts | 1    | 22.1%     | 13.7%   | 24.2% | 19.5% | 23.2%    | 0.5%    | 46.8%   | 8.9%  | 22.6%   | 46.3%     | 4.7%      | 5.8%   | 34.7%     | 31.6% | 8.9%  | 2.1%   |
| Swarthmore        | 1       | lib arts | 3    | 25.8%     | 7.5%    | 25.3% | 21.0% | 18.3%    | 0.5%    | 49.5%   | 11.3% | 25.3%   | 42.5%     | 5.9%      | 5.9%   | 33.3%     | 31.7% | 8.6%  | 3.8%   |
| Wellesley         | 1       | lib arts | 4    | 30.2%     | 7.1%    | 19.8% | 24.6% | 21.4%    | 0.0%    | 50.0%   | 10.3% | 26.2%   | 46.0%     | 5.6%      | 4.0%   | 35.7%     | 27.8% | 10.3% | 4.8%   |
| Middlebury        | 1       | lib arts | 9    | 32.4%     | 6.9%    | 23.9% | 17.0% | 14.3%    | 0.0%    | 53.3%   | 12.7% | 31.7%   | 41.7%     | 5.8%      | 1.2%   | 30.1%     | 40.2% | 5.4%  | 2.3%   |
| Smith             | 1       | lib arts | 15   | 29.7%     | 3.2%    | 18.1% | 27.7% | 12.3%    | 0.6%    | 54.2%   | 11.6% | 22.6%   | 46.5%     | 7.7%      | 1.9%   | 34.2%     | 38.1% | 2.6%  | 1.3%   |
| Colorado Coll.    | 1       | lib arts | 25   | 26.0%     | 10.7%   | 19.2% | 25.3% | 13.2%    | 1.8%    | 53.0%   | 13.2% | 29.5%   | 42.7%     | 5.0%      | 3.9%   | 31.7%     | 40.2% | 3.9%  | 2.1%   |
| Harvey Mudd       | 1       | lib arts | 25   | 11.1%     | 7.4%    | 27.8% | 36.1% | 18.5%    | 0.0%    | 49.1%   | 14.8% | 21.3%   | 45.4%     | 10.2%     | 5.6%   | 43.5%     | 30.6% | 4.6%  | 1.9%   |
| Macalester        | 1       | lib arts | 27   | 21.9%     | 15.0%   | 12.3% | 30.5% | 12.3%    | 0.5%    | 56.1%   | 10.7% | 28.3%   | 44.4%     | 4.8%      | 2.1%   | 38.0%     | 33.7% | 4.8%  | 1.1%   |
| Scripps           | 1       | lib arts | 28   | 6.4%      | 10.9%   | 11.8% | 56.4% | 20.0%    | 1.8%    | 55.5%   | 8.2%  | 26.4%   | 42.7%     | 12.7%     | 3.6%   | 35.5%     | 40.0% | 4.5%  | 1.8%   |
| Oberlin           | 1       | lib arts | 36   | 30.4%     | 12.3%   | 16.8% | 21.4% | 17.2%    | 0.3%    | 51.8%   | 11.7% | 30.1%   | 42.4%     | 6.1%      | 2.3%   | 29.1%     | 40.1% | 7.8%  | 0.6%   |
| Occidental        | 1       | lib arts | 40   | 21.3%     | 5.1%    | 18.8% | 36.0% | 21.8%    | 1.5%    | 46.7%   | 11.2% | 26.4%   | 42.1%     | 10.2%     | 2.5%   | 31.0%     | 38.1% | 7.1%  | 2.0%   |
| Conn Coll.        | 1       | lib arts | 51   | 45.5%     | 5.4%    | 9.0%  | 20.4% | 14.0%    | 0.4%    | 53.8%   | 12.2% | 32.3%   | 42.3%     | 3.9%      | 1.8%   | 31.5%     | 38.0% | 6.5%  | 1.1%   |
| Tufts             | 1       | univ     | 30   | 24.7%     | 6.5%    | 24.0% | 27.2% | 19.0%    | 0.0%    | 49.1%   | 14.3% | 28.7%   | 44.1%     | 6.5%      | 3.2%   | 30.5%     | 43.4% | 4.7%  | 2.2%   |
| Sewanee           | 2       | lib arts | 47   | 17.7%     | 7.0%    | 52.6% | 4.9%  | 19.5%    | 2.9%    | 41.1%   | 18.8% | 31.2%   | 45.3%     | 4.9%      | 0.8%   | 15.6%     | 46.6% | 15.6% | 2.9%   |
| Northwestern      | 2       | univ     | 9    | 14.0%     | 19.1%   | 30.6% | 20.9% | 29.4%    | 2.6%    | 41.1%   | 11.4% | 25.7%   | 46.3%     | 10.0%     | 2.6%   | 26.0%     | 41.4% | 11.7% | 3.1%   |
| Emory             | 2       | univ     | 21   | 11.2%     | 9.2%    | 46.9% | 18.1% | 22.3%    | 1.9%    | 45.0%   | 16.2% | 33.1%   | 43.5%     | 8.5%      | 0.4%   | 21.9%     | 48.8% | 11.2% | 2.7%   |
| Tulane            | 2       | univ     | 41   | 17.0%     | 11.2%   | 39.7% | 15.7% | 28.7%    | 1.0%    | 39.9%   | 14.0% | 28.7%   | 42.6%     | 9.5%      | 2.7%   | 22.2%     | 43.1% | 11.5% | 4.2%   |
| Notre Dame        | 3       | univ     | 19   | 21.2%     | 20.7%   | 24.4% | 19.5% | 56.6%    | 1.5%    | 20.3%   | 7.2%  | 28.9%   | 39.7%     | 11.6%     | 5.5%   | 12.6%     | 35.3% | 25.7% | 10.4%  |
| Boston Coll.      | 3       | univ     | 35   | 21.4%     | 11.8%   | 25.1% | 25.4% | 40.6%    | 1.9%    | 34.7%   | 6.5%  | 26.0%   | 41.5%     | 11.1%     | 5.0%   | 22.6%     | 37.8% | 14.6% | 5.3%   |
| Case Western Res. | 3       | univ     | 42   | 22.5%     | 15.1%   | 30.7% | 15.6% | 28.4%    | 0.9%    | 39.0%   | 15.6% | 30.3%   | 44.0%     | 6.9%      | 2.8%   | 23.9%     | 45.0% | 11.9% | 1.8%   |
| Villanova         | 3       | univ     | 53   | 30.0%     | 16.8%   | 31.0% | 7.5%  | 49.3%    | 1.8%    | 26.0%   | 8.2%  | 28.2%   | 43.6%     | 9.7%      | 3.8%   | 12.3%     | 39.4% | 22.3% | 9.2%   |
| Stevens Ins. Tech | 3       | univ     | 80   | 52.3%     | 1.3%    | 20.8% | 11.4% | 40.9%    | 1.3%    | 30.2%   | 13.4% | 26.2%   | 47.0%     | 12.1%     | 0.7%   | 16.8%     | 41.6% | 21.5% | 2.7%   |
| SMU               | 4       | univ     | 66   | 14.9%     | 11.5%   | 41.3% | 14.5% | 30.2%    | 4.4%    | 33.3%   | 14.3% | 27.5%   | 40.3%     | 11.1%     | 3.3%   | 15.9%     | 43.6% | 16.3% | 3.3%   |
| Baylor            | 4       | univ     | 76   | 0.0%      | 6.7%    | 55.8% | 20.5% | 30.4%    | 21.0%   | 11.2%   | 20.5% | 24.6%   | 39.3%     | 15.6%     | 3.6%   | 5.4%      | 36.2% | 27.2% | 11.6%  |
| TCU               | 4       | univ     | 80   | 13.9%     | 11.8%   | 36.9% | 23.7% | 39.8%    | 5.3%    | 26.9%   | 14.4% | 26.6%   | 42.7%     | 12.9%     | 4.1%   | 12.5%     | 47.0% | 20.9% | 4.6%   |
| U of Denver       | 4       | univ     | 80   | 18.9%     | 18.5%   | 18.5% | 28.0% | 30.7%    | 2.0%    | 40.6%   | 10.6% | 35.8%   | 37.4%     | 8.7%      | 2.0%   | 18.9%     | 47.6% | 11.8% | 2.4%   |

#### 4 Ego network barplot



#### 5 Ego network graph

See Figure 1.

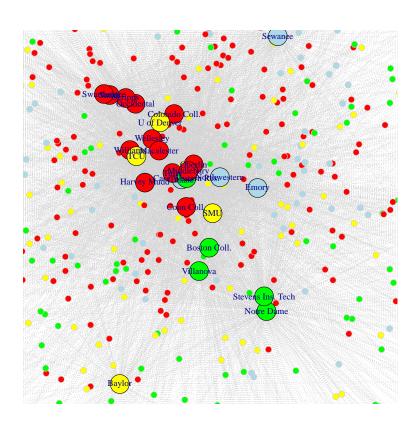


Figure 1: Ego network