Table 1. Frequency of White Males Named John Smith, by Selected States of Birth

(1880 Complete-Count Data)

***State of Birth***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **New York** | **Ohio** | **Maryland** | **Mississippi** | **Iowa** | **Oregon** |
| **AGE** |  |  |  |  |  |  |
| **20** | 45 | 40 | 7 | 7 | 5 | 1 |
| **21** | 56 | 46 | 10 | 9 | 11 |  |
| **22** | 59 | 44 | 11 | 5 | 17 | 1 |
| **23** | 54 | 39 | 14 | 1 | 16 | 1 |
| **24** | 59 | 45 | 9 | 6 | 11 | 1 |
| **25** | 67 | 31 | 12 | 7 | 8 |  |
| **26** | 42 | 40 | 9 | 5 | 4 | 1 |
| **27** | 42 | 37 | 5 | 4 | 7 | 1 |
| **28** | 53 | 45 | 8 | 4 | 3 | 1 |
| **29** | 34 | 34 | 12 |  | 5 | 1 |
| **30** | 51 | 47 | 7 | 6 | 1 | 1 |
| **31** | 28 | 23 | 1 | 4 | 2 | 1 |
| **32** | 44 | 32 | 11 | 3 | 8 |  |
| **33** | 25 | 26 | 6 | 1 | 1 |  |
| **34** | 25 | 24 | 5 | 6 | 3 |  |
| **35** | 29 | 33 | 13 | 4 | 2 |  |
| **36** | 33 | 40 | 5 | 2 | 1 |  |
| **37** | 29 | 21 | 8 | 4 | 1 |  |
| **38** | 41 | 25 | 6 | 1 |  |  |
| **39** | 24 | 32 | 2 |  | 4 |  |
| **40** | 55 | 31 | 6 | 1 |  |  |
| **41** | 23 | 11 | 8 |  |  |  |
| **42** | 24 | 15 | 7 |  | 1 |  |
| **43** | 30 | 15 | 6 |  |  |  |
| **44** | 11 | 13 | 1 |  | 1 |  |
| **45** | 35 | 18 | 5 | 4 |  |  |
| **46** | 29 | 22 | 4 |  |  |  |
| **47** | 30 | 13 | 3 |  |  |  |
| **48** | 28 | 14 | 5 | 1 | 1 |  |
| **49** | 24 | 22 | 2 | 1 |  |  |
| **50** | 34 | 24 | 6 | 1 | 1 |  |

Table 2. Parsing and Name Standardization For Selected Names, 1880 Complete-Count Database

Raw String n1 n2 n3 Standard Frequency

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| JOHN | JOHN |  |  |  | 3297148 |
| GEORGE | GEORGE |  |  |  | 1311868 |
| WILLIAM | WILLIAM |  |  |  | 1161737 |
| HENRY | HENRY |  |  |  | 1156464 |
| JAMES | JAMES |  |  |  | 792520 |
| CHARLES | CHARLES |  |  |  | 591368 |
| THOMAS | THOMAS |  |  |  | 474816 |
| JOSEPH | JOSEPH |  |  |  | 458782 |
| FRANK | FRANK |  |  |  | 382949 |
| PETER | PETER |  |  |  | 382598 |
| EDWARD | EDWARD |  |  |  | 298570 |
| ROBERT | ROBERT |  |  |  | 241233 |
| SAMUEL | SAMUEL |  |  |  | 217773 |
| DAVID | DAVID |  |  |  | 189674 |
| JACOB | JACOB |  |  |  | 186299 |
| ALBERT | ALBERT |  |  |  | 172205 |
| DANIEL | DANIEL |  |  |  | 157188 |
| WM. | WM |  |  | WILLIAM | 152013 |
| MICHAEL | MICHAEL |  |  |  | 147171 |
| ANDREW | ANDREW |  |  |  | 137175 |
| PATRICK | PATRICK |  |  |  | 136865 |
| WILLIE | WILLIE |  |  | WILLIAM | 128333 |
| RICHARD | RICHARD |  |  |  | 123986 |
| LOUIS | LOUIS |  |  |  | 115083 |
| JOHN W. | JOHN | W |  |  | 113715 |
| HARRY | HARRY |  |  |  | 111693 |
| GEORGE W. | GEORGE | W |  |  | 105594 |
| FRED | FRED |  |  | FREDERICK | 102832 |
| WILLIAM H. | WILLIAM | H |  |  | 102777 |
| WALTER | WALTER |  |  |  | 99388 |

Table 3. Common Male Abbreviations and Diminutives, 1880 Complete-Count Database

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Raw string*** | ***n1*** | ***n1 standard*** | ***Frequency*** | ***Jaro-Winkler Score*** |
|  |  |  |  |  |
| Wm. | Wm | William | 152013 | 0.593 |
| Willie | Willie | William | 128333 | 0.910 |
| Fred | Fred | Frederick | 102832 | 0.870 |
| Chas. | Chas | Charles | 65007 | 0.900 |
| Joe | Joe | Joseph | 63356 | 0.867 |
| Geo. | Geo | George | 47135 | 0.867 |
| Charley | Charley | Charles | 46206 | 0.943 |
| Thos. | Thos | Thomas | 42224 | 0.922 |
| Sam | Sam | Samuel | 39799 | 0.867 |
| Charlie | Charlie | Charles | 38491 | 0.943 |
| Eddie | Eddie | Edward | 36106 | 0.760 |
| Robt. | Robt | Robert | 28990 | 0.922 |
| Alex | Alex | Alexander | 26199 | 0.870 |
| Jas. | Jas | James | 25740 | 0.893 |
| Ben | Ben | Benjamin | 24261 | 0.833 |
| Jno. | Jno | John | 23679 | 0.825 |
| Tom | Tom | Thomas | 21772 | 0.850 |
| Jim | Jim | James | 20176 | 0.720 |
| Saml. | Saml | Samuel | 14691 | 0.922 |
| Benj. | Benj | Benjamin | 14298 | 0.883 |
| Jos. | Jos | Joseph | 12072 | 0.867 |

Table 4. Potential links and Confidence Scores for John Bradley

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| name1\_70 | namelast\_70 | name1\_80 | namelast\_80 | age70 | age80 | CONFIDENCE |
| john | bradley | john | bradley | 25 | 35 | 1.163721561 |
| john | bradley | john | bradly | 25 | 34 | 0.999793589 |
| john | bradley | john | bradley | 25 | 37 | 0.999444664 |
| john | bradley | john | bradley | 25 | 38 | 0.879444664 |
| john | bradley | h | bradley | 25 | 35 | -0.994843602 |
| john | bradley | j | bailey | 25 | 35 | -0.995201766 |
| john | bradley | john | shandley | 25 | 34 | -0.999585986 |
| john | bradley | john | bryan | 25 | 35 | -0.999669075 |
| john | bradley | john | ragsdalle | 25 | 35 | -1.000102878 |
| john | bradley | john | bryante | 25 | 35 | -1.000563741 |
| john | bradley | john | bail | 25 | 35 | -1.001999259 |
| john | bradley | john | darby | 25 | 36 | -1.003973365 |
| john | bradley | john | nalley | 25 | 35 | -1.010393977 |
| john | bradley | john | ashley | 25 | 35 | -1.010393977 |
| john | bradley | john | rarden | 25 | 35 | -1.010393977 |
| john | bradley | john | ashley | 25 | 35 | -1.010393977 |
| john | bradley | john | trader | 25 | 35 | -1.010393977 |
| john | bradley | john | bryce | 25 | 34 | -1.011851192 |
| john | bradley | john | ready | 25 | 36 | -1.019752145 |
| john | bradley | john | beasley | 25 | 35 | -1.023576736 |
| john | bradley | josiah | bramlet | 25 | 35 | -1.025904298 |
| john | bradley | john | bayler | 25 | 33 | -1.027504802 |
| john | bradley | john | blake | 25 | 35 | -1.028183818 |
| john | bradley | john | boyer | 25 | 35 | -1.028183818 |
| john | bradley | john | berry | 25 | 35 | -1.028183818 |
| john | bradley | john | brownlee | 25 | 36 | -1.037933946 |
| john | bradley | john | branch | 25 | 34 | -1.045258641 |
| john | bradley | john | clardy | 25 | 34 | -1.047429204 |

Table 5. Selected Linked Households, 1870-1880 Male Linked Sample

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **LINKTYPE** | **LAST70** | **FIRST70** | **LAST80** | **FIRST80** | **RELATE70** | **RELATE80** | **AGE70** | **AGE80** |
| *household* | WEEKS | WILLIAM | WEEKS | WILLIAM | Head | Head | 50 | 64 |
| *household* | WEEKS | MARY A | WEEKS | MARY A | Spouse | Spouse | 34 | 48 |
| *household* | WEEKS | MARY A | WEEKS | MARY | Daughter | Daughter | 9 | 21 |
| *household* | WEEKS | GEORGE | WEEKS | GEORGE | Son | Son | 6 | 16 |
| *household* | WEEKS | WILLIAM | WEEKS | WILLIAM | Son | Son | 4 | 14 |
| *household* | WEEKS | ELIZABETH | WEEKS | ELIZABETH | Daughter | Daughter | 2 | 13 |
| *primary* | WEEKS | EDWIN | WEEKS | EDWIN | Son | Son | 1 | 12 |
| *household* |  |  | WEEKS | ALFORD |  | Son |  | 9 |
| *household* |  |  | WEEKS | AGUSTA |  | Daughter |  | 7 |
| *household* |  |  | WEEKS | SARAH |  | Daughter |  | 5 |
|  |  |  |  |  |  |  |  |  |
| **LINKTYPE** | **LAST70** | **FIRST70** | **LAST80** | **FIRST80** | **RELATE70** | **RELATE80** | **AGE70** | **AGE80** |
| *household* | UNDERWOOD | NORMAN |  |  | Head |  | 52 |  |
| *household* | UNDERWOOD | MARY | UNDERWOOD | MARY | Spouse | Head | 33 | 49 |
| *household* | UNDERWOOD | LUTHER |  |  | Son |  | 11 |  |
| *household* | UNDERWOOD | IRVING | UNDERWOOD | ERVIN | Son | Son | 3 | 13 |
| *primary* | UNDERWOOD | VANDER | UNDERWOOD | VANDER | Son | Son | 1 | 10 |
| *household* | UNDERWOOD | ROSA |  |  | Daughter |  | 18 |  |
| *household* | UNDERWOOD |  | UNDERWOOD | CHARLES |  | Son |  | 8 |
| *household* | UNDERWOOD |  | UNDERWOOD | ADDI |  | Daughter |  | 5 |
|  |  |  |  |  |  |  |  |  |

Table 6. Distribution of 1870 Records (Males) by Name

Commonness Scores

Name Commonness Categories (1 = least common; 7 = most common)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nativity/Race** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |  | **N** |
|  |  |  |  |  |  |  |  |  |  |
| Native-born white | 27.4% | 24.6% | 10.6% | 10.1% | 10.1% | 9.8% | 7.4% | 100.0% | 145329 |
| Foreign-born white | 20.7% | 20.9% | 9.6% | 9.4% | 10.4% | 10.8% | 18.3% | 100.0% | 29368 |
| African-American | 26.5% | 22.1% | 9.6% | 9.3% | 9.5% | 10.1% | 13.0% | 100.0% | 47334 |
| Total | 26.3% | 23.6% | 10.2% | 9.8% | 10.0% | 10.0% | 10.0% | 100.0% | 222031 |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| **Birthplace** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |  | **N** |
|  |  |  |  |  |  |  |  |  |  |
| Ireland | 10.4% | 14.2% | 8.0% | 8.7% | 11.8% | 14.4% | 32.4% | 100.0% | 8909 |
| England | 15.1% | 20.4% | 10.0% | 10.7% | 11.9% | 14.5% | 17.4% | 100.0% | 3194 |
| Canada | 30.8% | 23.8% | 12.1% | 10.6% | 9.1% | 9.3% | 4.3% | 100.0% | 2627 |
| Scotland | 9.7% | 12.7% | 6.8% | 9.5% | 11.9% | 13.4% | 35.9% | 100.0% | 804 |
| France | 34.4% | 32.7% | 11.5% | 8.0% | 6.0% | 5.4% | 2.1% | 100.0% | 704 |
| Norway | 19.9% | 12.1% | 6.1% | 7.4% | 6.6% | 7.8% | 40.0% | 100.0% | 618 |
| Sweden | 20.0% | 14.7% | 3.1% | 5.8% | 7.8% | 8.7% | 39.9% | 100.0% | 586 |
| Switzerland | 30.7% | 27.3% | 7.5% | 8.9% | 11.8% | 9.1% | 4.8% | 100.0% | 440 |
| Wales | 12.6% | 5.7% | 4.1% | 3.2% | 4.4% | 6.4% | 63.4% | 100.0% | 435 |
| Netherlands | 40.4% | 26.1% | 8.1% | 6.6% | 5.9% | 9.2% | 3.7% | 100.0% | 272 |

Table 7. Linkage Rate for 1870 Males by Nativity/Race and Name Commonness Scores

|  |  |  |  |
| --- | --- | --- | --- |
| Nativity/Race | Name category | Linkage rate | N |
|  |  |  |  |
| Native-born white | 1 (least common) | 19.0% | 39797 |
|  | 2 | 17.9% | 35783 |
|  | 3 | 10.7% | 15355 |
|  | 4 | 7.9% | 14612 |
|  | 5 | 4.3% | 14736 |
|  | 6 | 2.1% | 14281 |
|  | 7 (most common) | .6% | 10765 |
|  | Total | 12.2% | 145329 |
|  |  |  |  |
| Foreign-born white | 1 (least common) | 4.7% | 6081 |
|  | 2 | 5.6% | 6129 |
|  | 3 | 3.4% | 2821 |
|  | 4 | 2.3% | 2751 |
|  | 5 | 1.6% | 3052 |
|  | 6 | .9% | 3162 |
|  | 7 (most common) | .2% | 5372 |
|  | Total | 3.0% | 29368 |
|  |  |  |  |
| African-American | 1 (least common) | 6.0% | 12525 |
|  | 2 | 10.1% | 10445 |
|  | 3 | 9.9% | 4528 |
|  | 4 | 8.4% | 4391 |
|  | 5 | 4.8% | 4499 |
|  | 6 | 2.6% | 4801 |
|  | 7 (most common) | 1.3% | 6145 |
|  | Total | 6.4% | 47334 |

Table 8. Linkage Rate for Native-Born 1870 Males by Birthplace Rank (number of males by birthplace)

and Name Commonness Scores

|  |  |  |  |
| --- | --- | --- | --- |
| Birthplace rank | Name category | Linkage rate | N |
|  |  |  |  |
| 1 (smallest) | 1 (least common) | 17.8% | 5590 |
|  | 2 | 26.6% | 5140 |
|  | 3 | 21.6% | 2046 |
|  | 4 | 19.5% | 2112 |
|  | 5 | 14.1% | 2121 |
|  | 6 | 8.9% | 2288 |
|  | 7 (most common) | 2.7% | 1858 |
|  | Total | 17.8% | 21155 |
|  |  |  |  |
| 2 | 1 (least common) | 20.7% | 11152 |
|  | 2 | 23.7% | 10013 |
|  | 3 | 16.2% | 4490 |
|  | 4 | 12.3% | 4186 |
|  | 5 | 5.7% | 4379 |
|  | 6 | 1.9% | 4286 |
|  | 7 (most common) | .3% | 3473 |
|  | Total | 14.9% | 41979 |
|  |  |  |  |
| 3 | 1 (least common) | 21.0% | 12859 |
|  | 2 | 17.1% | 11039 |
|  | 3 | 7.8% | 4761 |
|  | 4 | 4.2% | 4521 |
|  | 5 | 1.7% | 4526 |
|  | 6 | .4% | 4277 |
|  | 7 (most common) | .1% | 3450 |
|  | Total | 11.6% | 45433 |
|  |  |  |  |
| 4 (largest) | 1 (least common) | 15.2% | 10196 |
|  | 2 | 8.1% | 9591 |
|  | 3 | 2.7% | 4058 |
|  | 4 | 1.1% | 3793 |
|  | 5 | .3% | 3710 |
|  | 6 | .1% | 3430 |
|  | 7 (most common) | - | 1984 |
|  | Total | 6.8% | 36762 |
|  |  |  |  |

Table 9. Mean Occupational Score by Nativity and Race and Name Commonness Scores

Excludes non-occupational Excludes Farmers and

Responses non-occupational responses

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Nativity/Race | Name category | Mean OCCSCORE | N |  | Mean OCCSCORE | N |
|  |  |  |  |  |  |  |
| Native-born white | 1 (least common) | 19.32 | 18200 |  | 22.26 | 11734 |
|  | 2 | 19.40 | 20505 |  | 22.16 | 12943 |
|  | 3 | 19.09 | 7603 |  | 21.61 | 5033 |
|  | 4 | 19.28 | 7257 |  | 21.95 | 4849 |
|  | 5 | 19.32 | 7201 |  | 21.91 | 4778 |
|  | 6 | 18.51 | 7224 |  | 20.91 | 4856 |
|  | 7 (most common) | 19.07 | 5667 |  | 21.80 | 3698 |
|  |  |  |  |  |  |  |
| Foreign-born white | 1 (least common) | 22.11 | 5098 |  | 23.83 | 4208 |
|  | 2 | 21.97 | 5329 |  | 23.96 | 4266 |
|  | 3 | 21.99 | 2465 |  | 23.97 | 1976 |
|  | 4 | 21.82 | 2378 |  | 23.47 | 1964 |
|  | 5 | 22.14 | 2694 |  | 24.02 | 2189 |
|  | 6 | 21.59 | 2814 |  | 23.32 | 2292 |
|  | 7 (most common) | 21.25 | 4739 |  | 22.70 | 3949 |
|  |  |  |  |  |  |  |
| African-American | 1 (least common) | 12.43 | 7452 |  | 12.17 | 6368 |
|  | 2 | 12.41 | 6299 |  | 12.14 | 5389 |
|  | 3 | 12.65 | 2697 |  | 12.44 | 2324 |
|  | 4 | 12.68 | 2576 |  | 12.47 | 2226 |
|  | 5 | 12.85 | 2654 |  | 12.68 | 2317 |
|  | 6 | 13.08 | 2769 |  | 12.94 | 2404 |
|  | 7 (most common) | 13.56 | 3527 |  | 13.51 | 3137 |

Table 10. Selected Linked Households, 1870-1880 Male Linked Sample

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **LINKTYPE** | **LAST70** | **FIRST70** | **LAST80** | **FIRST80** | **RELATE70** | **RELATE80** | **AGE70** | **AGE80** |
| *household* | WHITE | JAMES D | WHITE | JAMES G. | Head | Head | 50 | 60 |
| *household* | WHITE | MARY | WHITE | MARY E. | Spouse | Spouse | 31 | 41 |
| *primary* | WHITE | ALVA | WHITE | ALVA D. | Son | Son | 9 | 19 |
| *household* | WHITE | EVA | WHITE | EVA | Daughter | Daughter | 2 | 12 |
| *not linked* |  |  | WHITE | JAMES J. | | Son |  | 22 |
|  |  |  |  |  |  |  |  |  |
| **LINKTYPE** | **LAST70** | **FIRST70** | **LAST80** | **FIRST80** | **RELATE70** | **RELATE80** | **AGE70** | **AGE80** |
| *household* | CIMMERMAN | JOSEPH | ZIMMERMAN | JOSEPH | Head | Head | 43 | 53 |
| *household* | CIMMERMAN | CAROLINE | ZIMMERMAN | CAROLINE | Spouse | Spouse | 43 | 53 |
| *not linked* | CIMMERMAN | JOSEPH |  |  | Son |  | 20 |  |
| *not linked* | CIMMERMAN | JOHN |  |  | Son |  | 15 |  |
| *not linked* | CIMMERMAN | CAROLINE |  |  | Daughter |  | 13 |  |
| *primary* | CIMMERMAN | EDDIE | ZIMMERMAN | EDWARD | Son | Son | 10 | 20 |
| *household* | CIMMERMAN | EMMA | ZIMMERMAN | EMMA | Daughter | Daughter | 7 | 17 |
| *household* | CIMMERMAN | LAURA | ZIMMERMAN | LAURA | Daughter | Daughter | 4 | 14 |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **LINKTYPE** | **LAST70** | **FIRST70** | **LAST80** | **FIRST80** | **RELATE70** | **RELATE80** | **AGE70** | **AGE80** |
| *household* | MANNING | L | MANNING | LATHROP | Head | Head | 58 | 68 |
| *household* | MANNING | ? ACENITH | MANNING | ASENATH | Spouse | Spouse | 57 | 66 |
| *primary* | MANNING | DUETT | MANNING | DUETT | Son | Son | 16 | 26 |
| *not linked* | WILSON | AGUSTUS |  |  | Unrelated |  | 69 |  |
| *not linked* | WILSON | ELIZA |  |  | Unrelated |  | 66 |  |
|  |  |  |  |  |  |  |  |  |

Table 11. Number of Linked Records, by Sample Year and Linked Population Sub-group

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1850** | **1860** | **1870** | **1900** | **1910** | **1920** | **1930** |
| Males |  |  |  |  |  |  |  |
| Native-born white males | 7009 | 10424 | 17724 | 18595 | 14854 | 10049 | 9018 |
| Foreign-born males | 299 | 634 | 877 | 1512 | 990 | 508 | 336 |
| African American males | 82 | 235 | 2181 | 1336 | 796 | 506 | 352 |
| Total | 7390 | 11293 | 20782 | 21443 | 16640 | 11063 | 9706 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | **1850** | **1860** | **1870** | **1900** | **1910** | **1920** | **1930** |
| Couples (by male characteristics) |  |  |  |  |  |  |  |
| Native-born white males | 2133 | 4537 | 8858 | 7745 | 4644 | 2105 | 612 |
| Foreign-born males | 227 | 932 | 2256 | 2129 | 1101 | 415 | 105 |
| African American males | 6 | 19 | 408 | 180 | 102 | 26 | 7 |
| Total | 2366 | 5488 | 11522 | 10054 | 5847 | 2546 | 724 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | **1850** | **1860** | **1870** | **1900** | **1910** | **1920** | **1930** |
| Females |  |  |  |  |  |  |  |
| Native-born white females, married | 1077 | 2253 | 4254 | 3274 | 1891 | 793 | 221 |
| Native-born white females, formerly married | 811 | 951 | 1192 | 1161 | 1124 | 894 | 545 |
| Native-born white females, single | 468 | 1495 | 6699 | 4239 | 1407 | 849 | 700 |
| Foreign-born females, married | 63 | 215 | 671 | 554 | 317 | 111 | 26 |
| Foreign-born females, formerly married | 62 | 90 | 191 | 252 | 231 | 145 | 71 |
| Foreign-born females, single | 2 | 30 | 150 | 65 | 40 | 17 | 16 |
| African American females, married | 8 | 34 | 432 | 164 | 73 | 20 | 2 |
| African American females, formerly married | 12 | 34 | 152 | 88 | 51 | 34 | 29 |
| African American females, single | 9 | 35 | 902 | 210 | 40 | 20 | 7 |