

Red lines: synonymous mean (solid) and \pm SD (dashed)
Blue points: extreme residuals, filter(pos %in% 67:350)

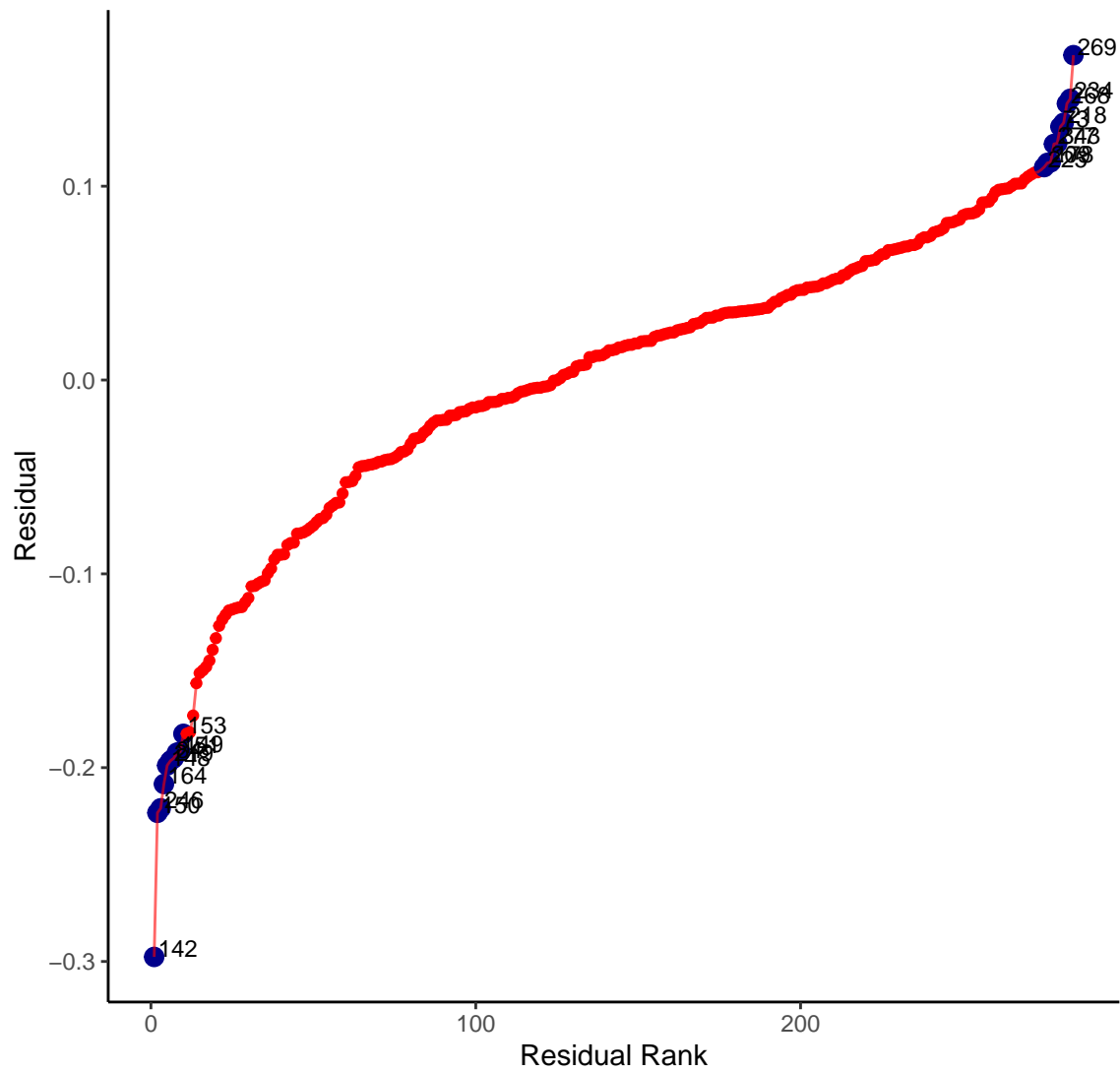


Figure 1 is a plot showing the relationship between Residual Rank (X-axis) and Residual (Y-axis) for the 2000 US census data. The X-axis ranges from 0 to 200, and the Y-axis ranges from -0.3 to 0.1. The plot displays a red curve representing the sorted residuals, with blue dots marking specific data points labeled with their indices. The points are clustered at the extremes of the rank distribution, with labels including 142, 153, 159, 164, 246, 250, 269, 284, 288, 293, 298, 303, 308, 313, 318, 323, 328, 333, 338, 343, 348, 353, 358, 363, 368, 373, 378, 383, 388, 393, 398, 403, 408, 413, 418, 423, 428, 433, 438, 443, 448, 453, 458, 463, 468, 473, 478, 483, 488, 493, 498, 503, 508, 513, 518, 523, 528, 533, 538, 543, 548, 553, 558, 563, 568, 573, 578, 583, 588, 593, 598, 603, 608, 613, 618, 623, 628, 633, 638, 643, 648, 653, 658, 663, 668, 673, 678, 683, 688, 693, 698, 703, 708, 713, 718, 723, 728, 733, 738, 743, 748, 753, 758, 763, 768, 773, 778, 783, 788, 793, 798, 803, 808, 813, 818, 823, 828, 833, 838, 843, 848, 853, 858, 863, 868, 873, 878, 883, 888, 893, 898, 903, 908, 913, 918, 923, 928, 933, 938, 943, 948, 953, 958, 963, 968, 973, 978, 983, 988, 993, 998.