

Answer each question completely but briefly. Edit to be as complete and concise as possible, in the fewest words possible (the standard scientific writing style is densely packed). Bullet lists, etc. are welcome. Also insert copy-pasted results from R, including table results and graphs.

All questions are based on the Social Security Administration's data base on baby names that we used in class.

Nine questions: 1 point per question + 1 point for: sum[overall clarity of presentation, complete answers with evidence to back them, name on the submitted results, and a pdf as the submitted format].

1. What was the most popular boy's baby name in 1950?
2. What was the most popular girl's baby name in 1950?
3. What was the most popular boy's baby name in 2015?
4. What was the most popular girl's baby name in 2015?
5. Every 3<sup>rd</sup> guy in America once seemed to be named Robert (when in doubt, guess his name is Bob). What year would it have been best to make that guess?
6. Catholics in the US used to name their children after saints (and may still), and a leading girl's name was Mary or its variant Maria. When did that name peak in the US?

The "Millenials" are often defined as those born between ~1985 and ~2005; we'll use those years.

7. What are the top three most popular millennial girl's names?
8. Which state has the most \_\_\_\_\_s (insert most popular millennial girl's name), as a percentage of all girls in a state? In other words, where are you most likely to bump into a (insert most popular millennial girl's name)?
9. Ditto for the boys – Which state has the most of the top-ranked millennial girl's name, as a percentage of all girls per state?