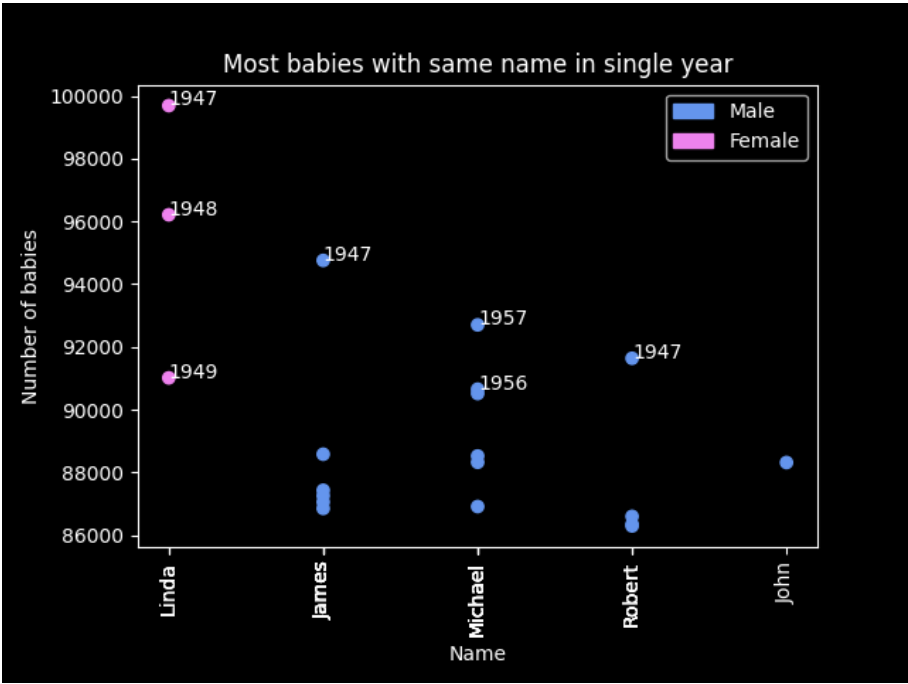


Emma Saurus  
Historical baby names analysis (USA)

Task 1: Comparing name popularity

Task 1(a) (saved in /outputs/Task\_1\_a.png; created by uncommenting task\_1\_a() in main())

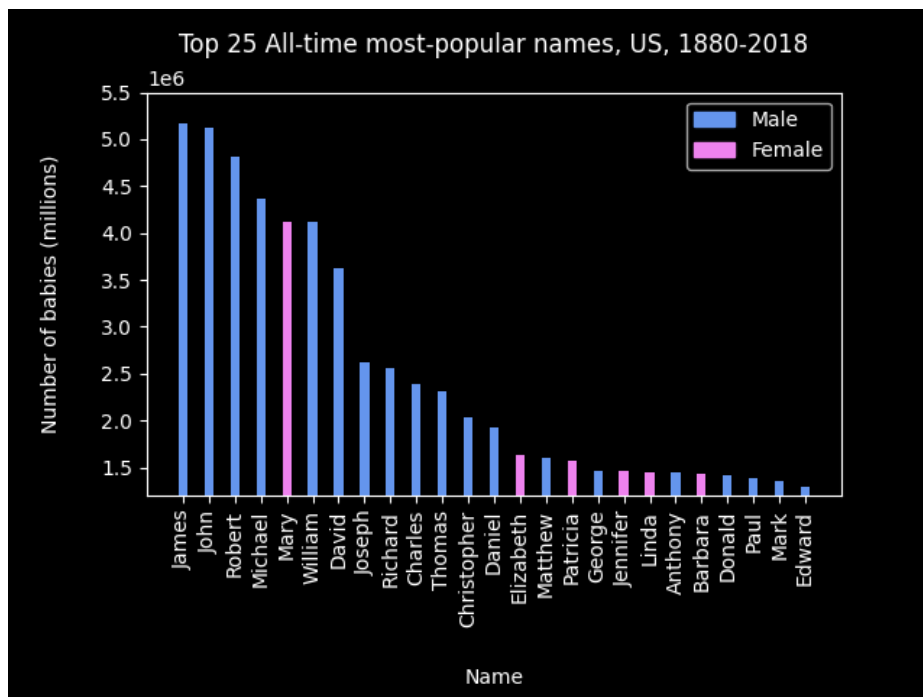


The graph to the left shows the names given to the most babies in a single year. The data demonstrate that the decade following World War II was a time of great conformity in terms of baby names.

The female name 'Linda' was the most-chosen for three consecutive years.

Boys' names show pronounced conformity over the same period, with multiple entries for the same three top male names.

Task 1(b) (saved as /outputs/Task\_1\_b; created by uncommenting task\_1\_b() in main())



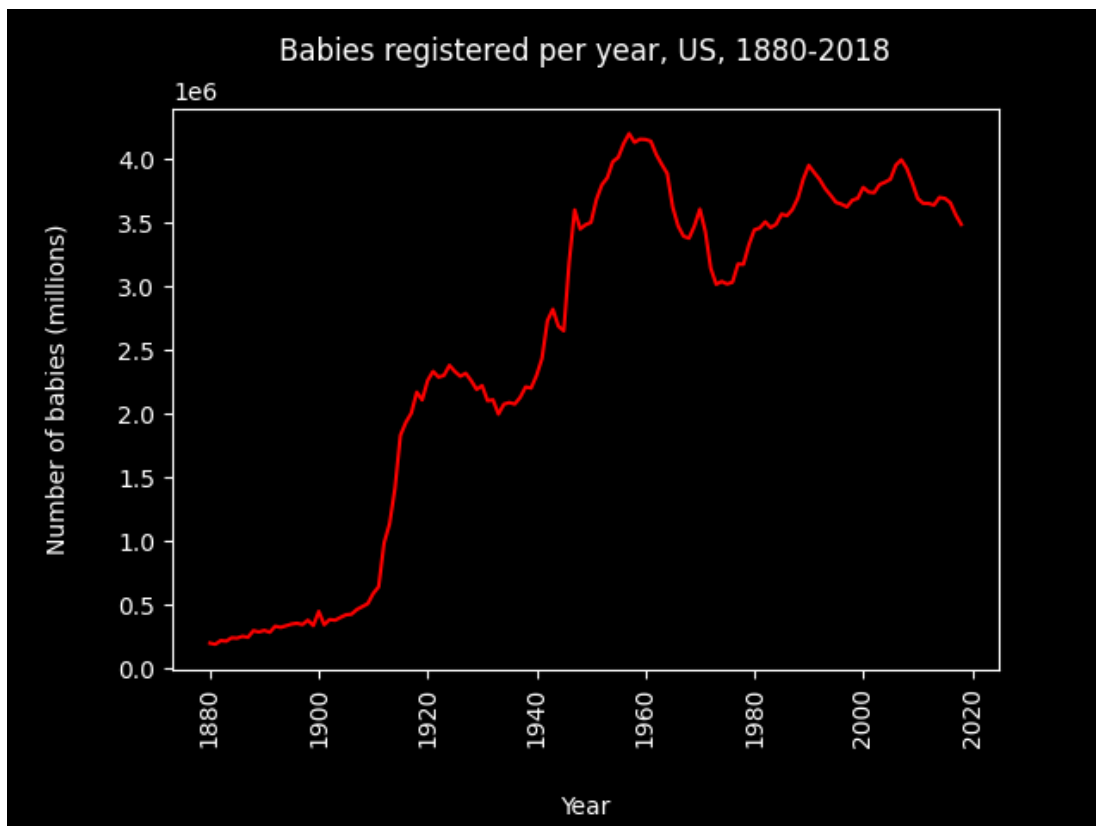
The graph to the left shows the names given to the highest number of babies over the entire data-set period.

Male names predominate this list, particularly in the higher entries, demonstrating a higher degree of conformity and/or conservatism in the naming of male babies.

The most used female name, Mary, has both religious and royal associations. The second-most popular female name is shared by the British queen.

The most popular male name has royal associations, as do seven other listed male names. Six have religious associations, and all four Beatles are there.

Task 1(c) (saved as /outputs/Task\_1\_c.png; created by uncommenting task\_1\_c() in main())



This plot illustrates the number of babies registered each year over the dataset period.

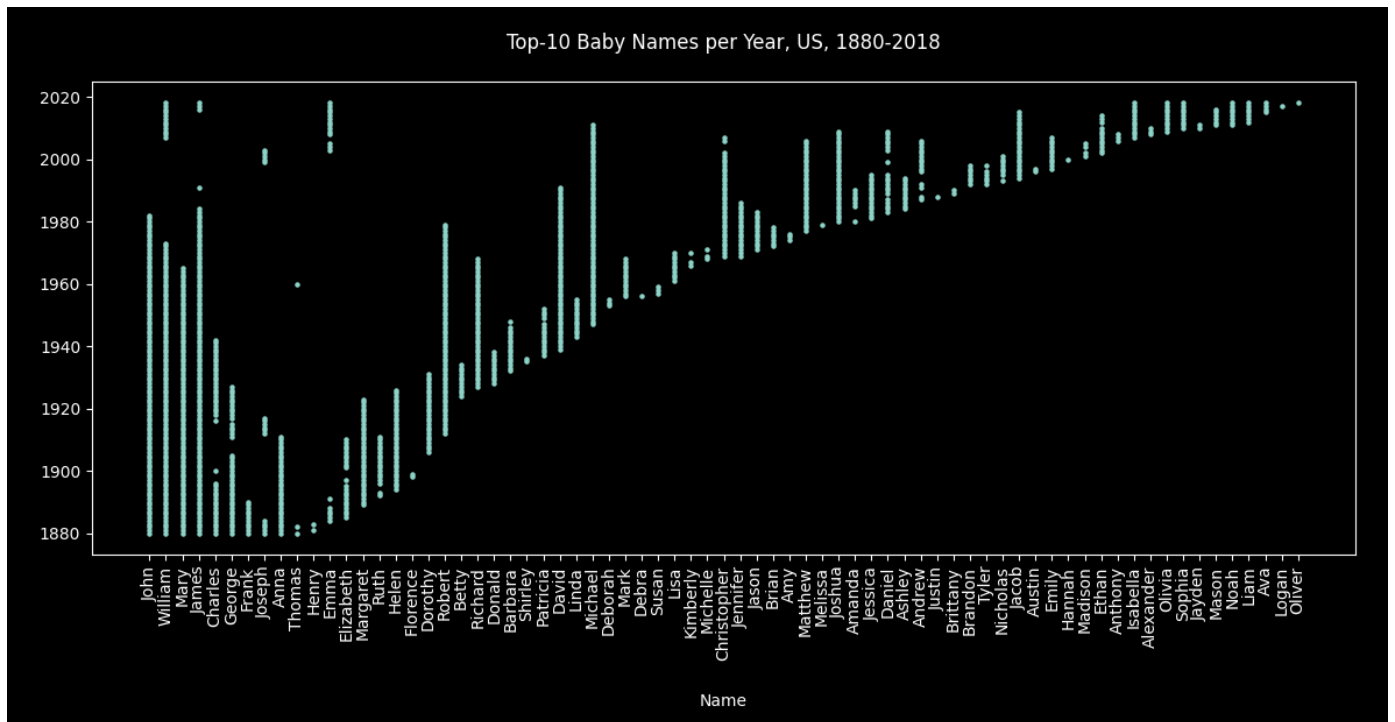
It shows incredible population growth in the decade 1910-1920, with greatest acceleration just prior to and throughout WWI, perhaps partly due to immigration.

After a dip during the depression decade of the 1930s, the birth rate again rises astronomically following WWII until 1960.

Births fall dramatically in the two decades following the 1960s, during the rise of feminist awareness and expanded birth-control options.

## Task 2: Yearly top ten names

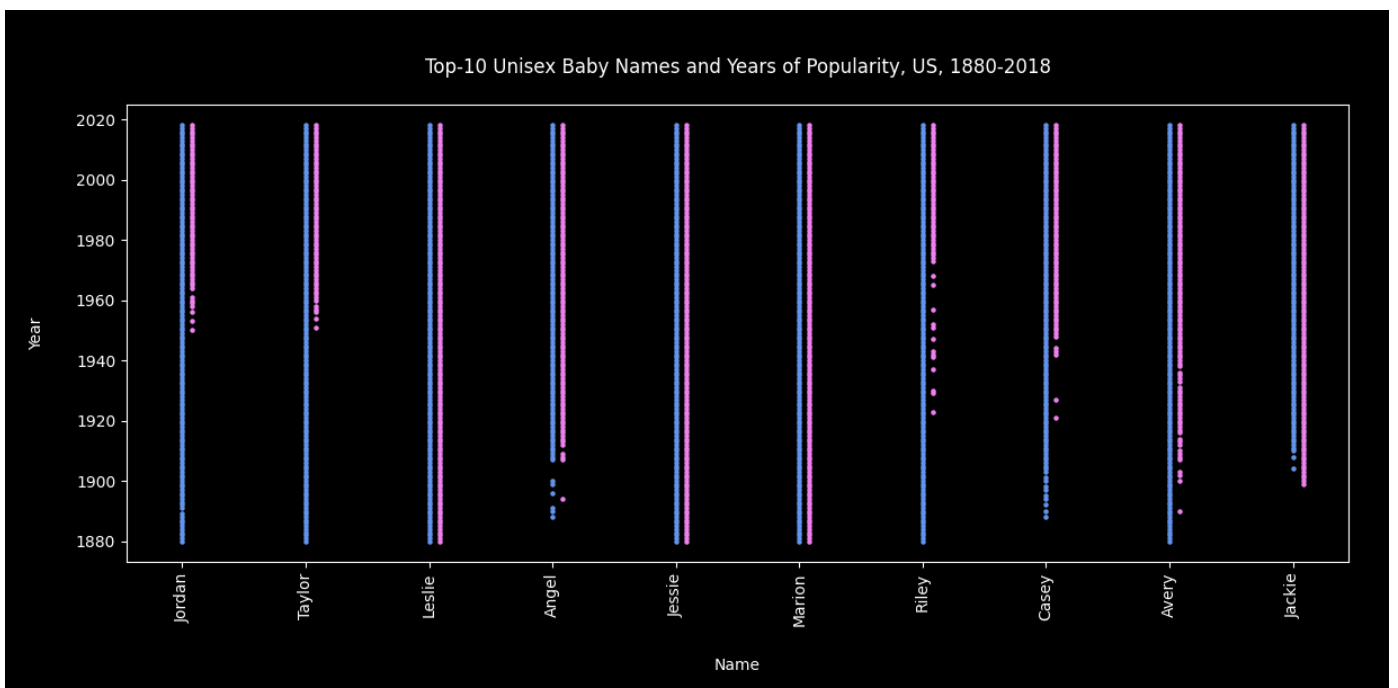
Task 2 (saved as /outputs/Task\_2.png; created by uncommenting task\_2() in main()):



The above plot illustrates the top-10 baby names from each year.

## Task 3: Find top 10 unisex names

Task 3 (saved as /outputs/Task\_3.png; created by uncommenting task\_3() in main()):



The above plot demonstrates that it is more common for masculine names to be adopted as female names than the reverse.