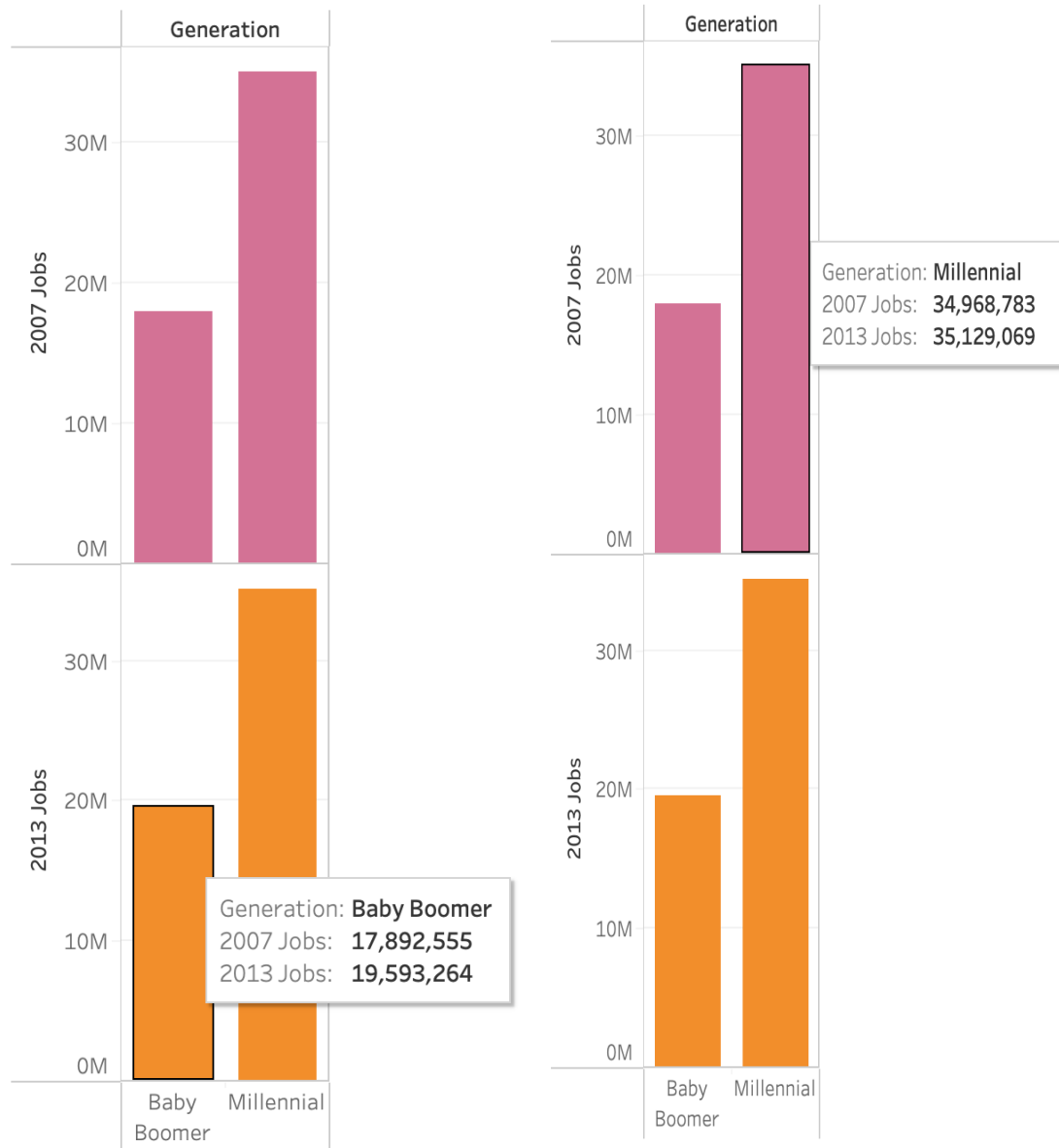


Assignment 06

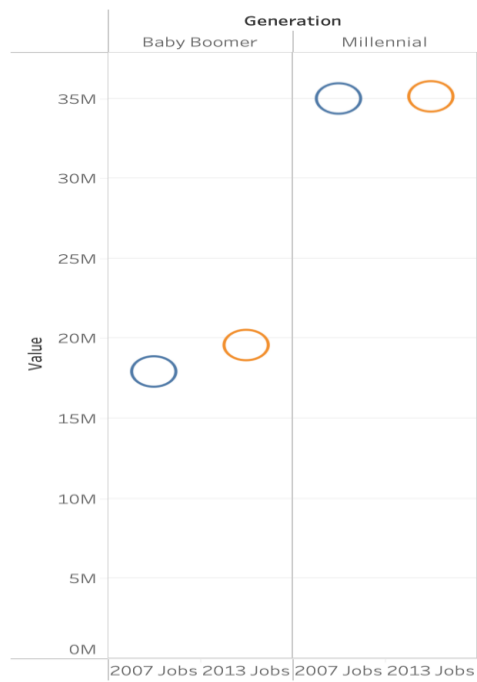
1. Total jobs in 2007 and 2013 by Generation (Using 'side-by-side circles' visualization – this type of visualization is used for 'comparison')

1.1 What is the exact number of jobs for Millennials? and Baby Boomers?



Generation Millennials, in the year 2007, had 34,968,783 Jobs, and in 2013, had 35,129,069. And for Baby Boomers, in 2007, have 17,892,555, and in 2013, have 19,593,264.

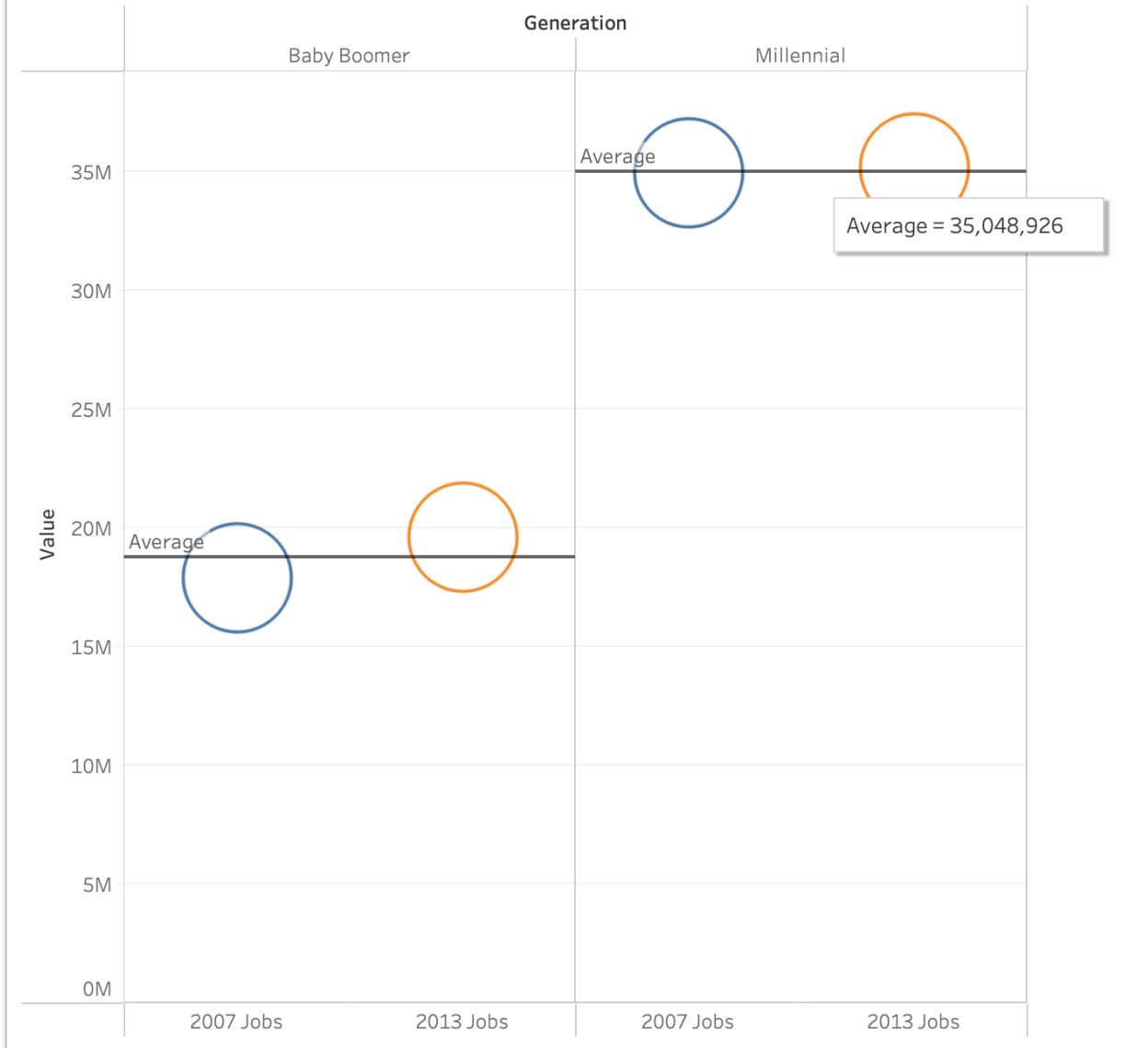
1.2 Which generation has a higher difference between the number of jobs in 2007 and 2013?



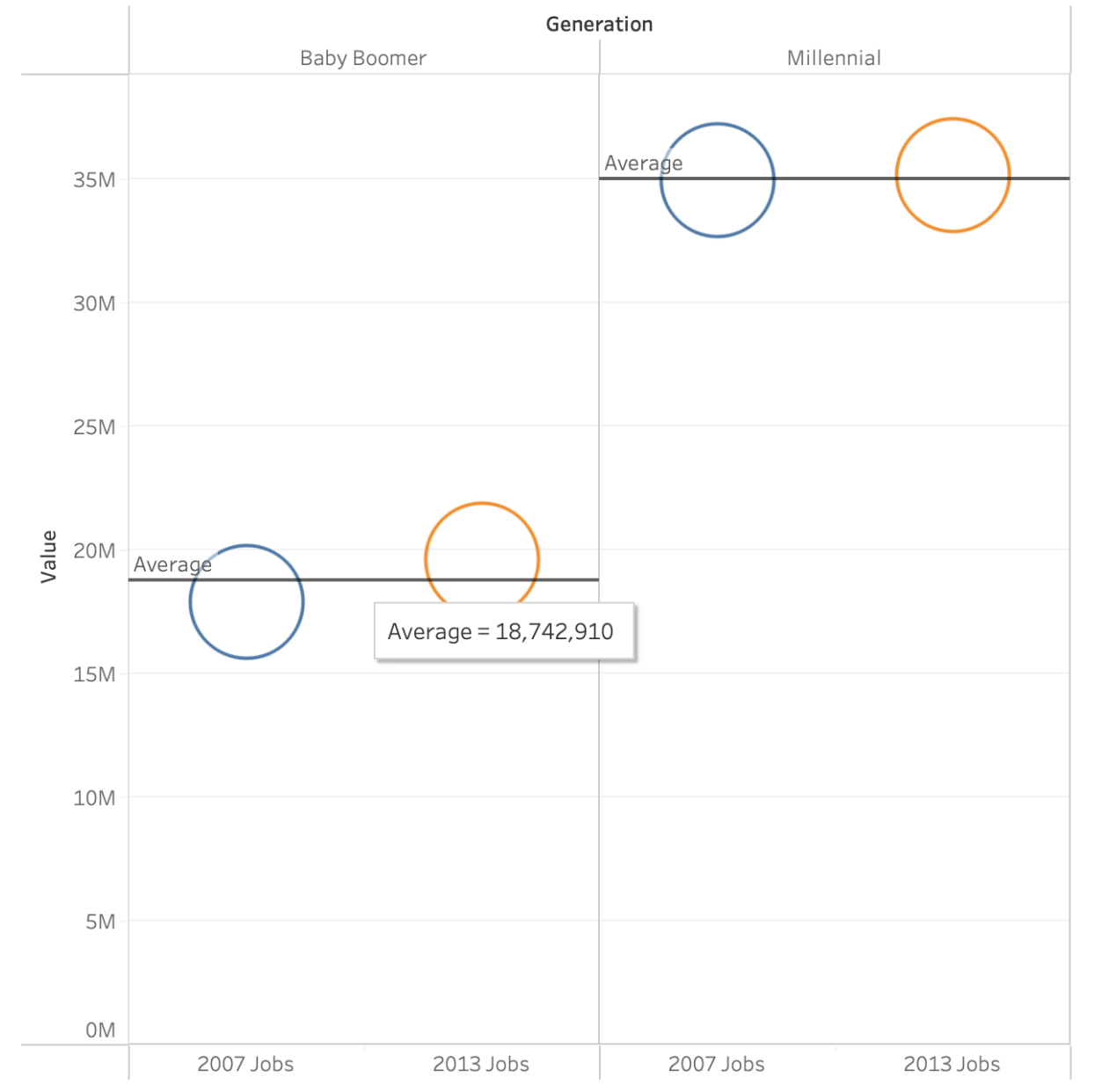
Baby Boomer has the highest difference in Jobs from the years 2007 and 2013.

1.3 Averages of a number of 2007 and 2013 jobs for each of the boomers and Millennials (two averages).

Average Total Jobs in Each Generation



Average Total Jobs in Each Generation

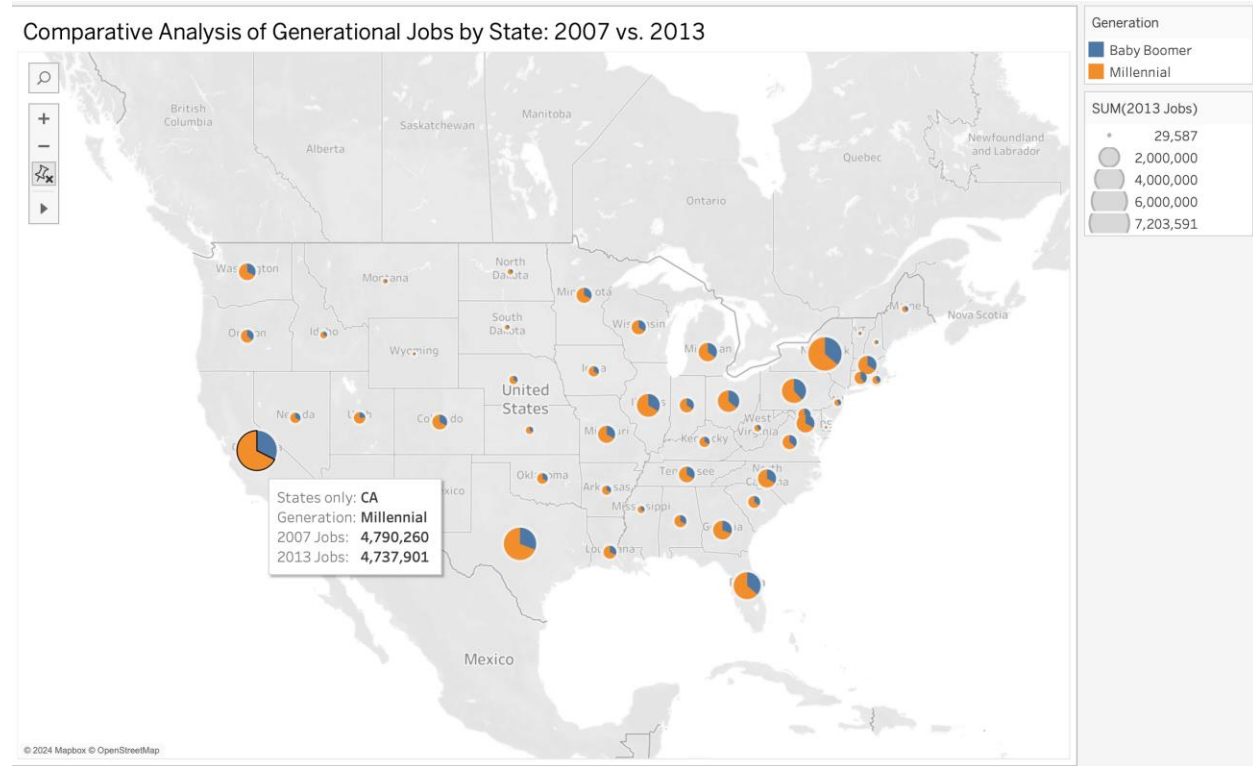


The averages of a number 2007 and 2013 jobs for.

Baby Boomer: 18,742,910

Millennial: 35,048,926

2. Total jobs in 2007 and 2013 by Generation (using 'map' visualization)



Total Jobs in 2007 and 2013 by Generation for Top 3 states.

State: CA

- Generation: Millennial
- 2007 Jobs: 4,790,260; 2013 Jobs: 4,737,901
- Generation: Baby boomers
- 2007 Jobs: 2,301,039; 2013 Jobs: 2,465,690

State: NY

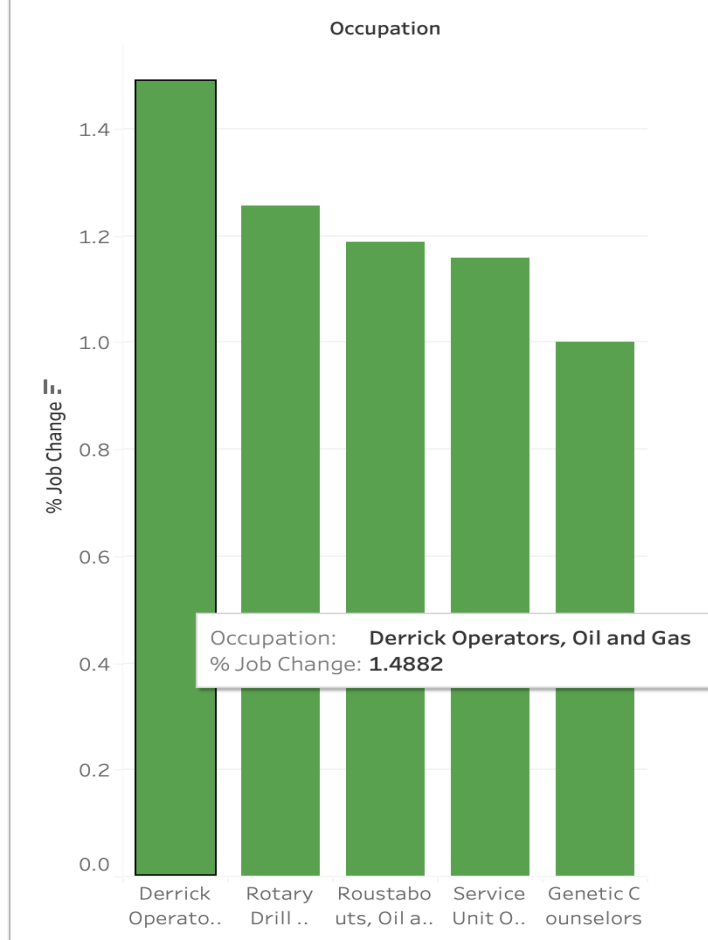
- Generation: Millennial
- 2007 Jobs: 3,066,921; 2013 Jobs: 3,135,732
- Generation: Baby boomers
- 2007 Jobs: 1,734,138; 2013 Jobs: 1,893,233

State: TX

- Generation: Millennial
- 2007 Jobs: 2,952,867; 2013 Jobs: 3,184,625
- Generation: Baby boomers
- 2007 Jobs: 1,318,335; 2013 Jobs: 1,559,714

3. Top 5 occupations that had max. % Job change (using 'horizontal bars' visualization)

Top 5 occupations with the highest percentage of job change

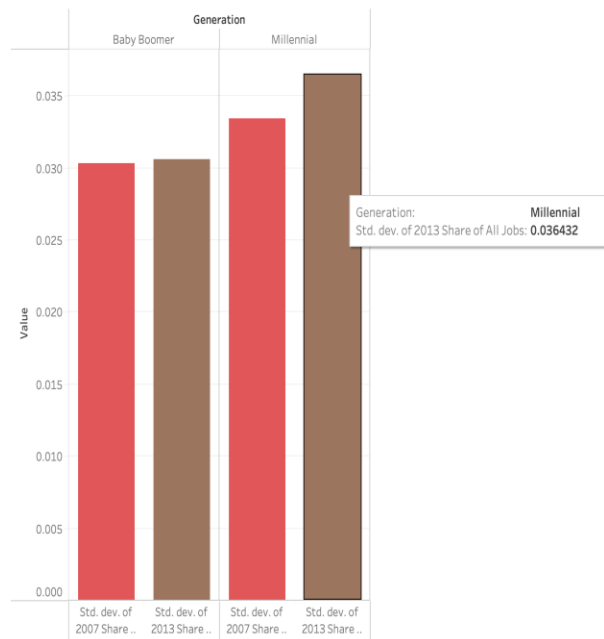


The top 5 occupations are:

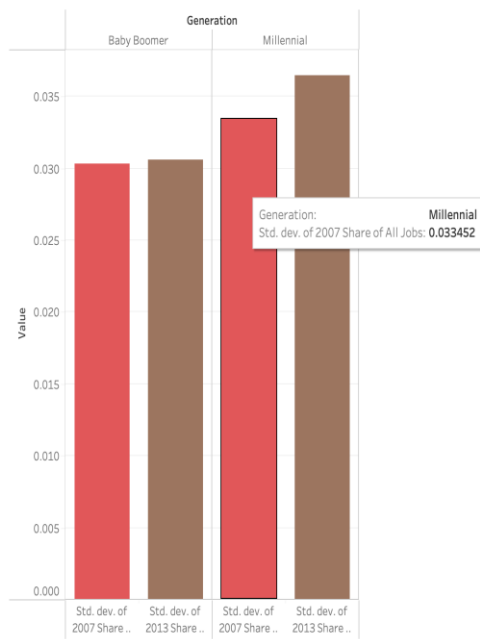
1. Derrick Operators, Oil and Gas
2. Rotary Drill Operators, Oil and Gas
3. Roustabouts, Oil and Gas
4. Service Unit Operators, Oil, Gas, and Mining
5. Genetic Counselors

4. Any other meaningful visualization using the 'National 2-digit' tab data. Comment in at least 2 to 3 sentences on an insight.

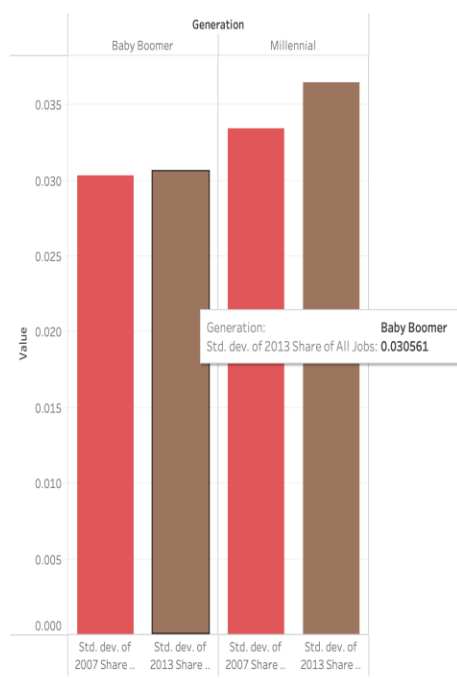
Standard Deviations of Generations of share of Jobs in the year 2007 and 2013



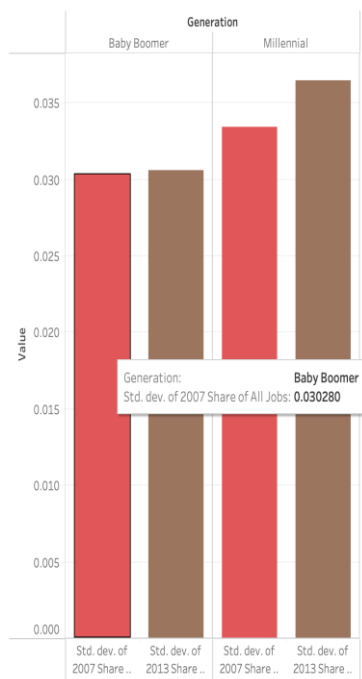
Standard Deviations of Generations of share of Jobs in the year 2007 and 2013



Standard Deviations of Generations of share of Jobs in the year 2007 and 2013



Standard Deviations of Generations of share of Jobs in the year 2007 and 2013



The above bar graph displays the standard deviation of job share between the baby boomers and millennials of 2007 and 2013. The standard deviation of the share of all jobs of baby boomers was relatively stable, declining slightly from approx. 0.032 - 0.030 in the years 2007 and 2013. On the other hand, millennials' job shares have a standard deviation of approximately

0.033 in 2007 and 0.035 in 2013. This shows millennials change a lot compared to baby boomers.

5. Prepare Dashboard – showing all the 4 visualizations. Arrange the visualizations on one screen. Also give each visualization a ‘Title’ it should not show title as ‘Sheet 1’ etc.

