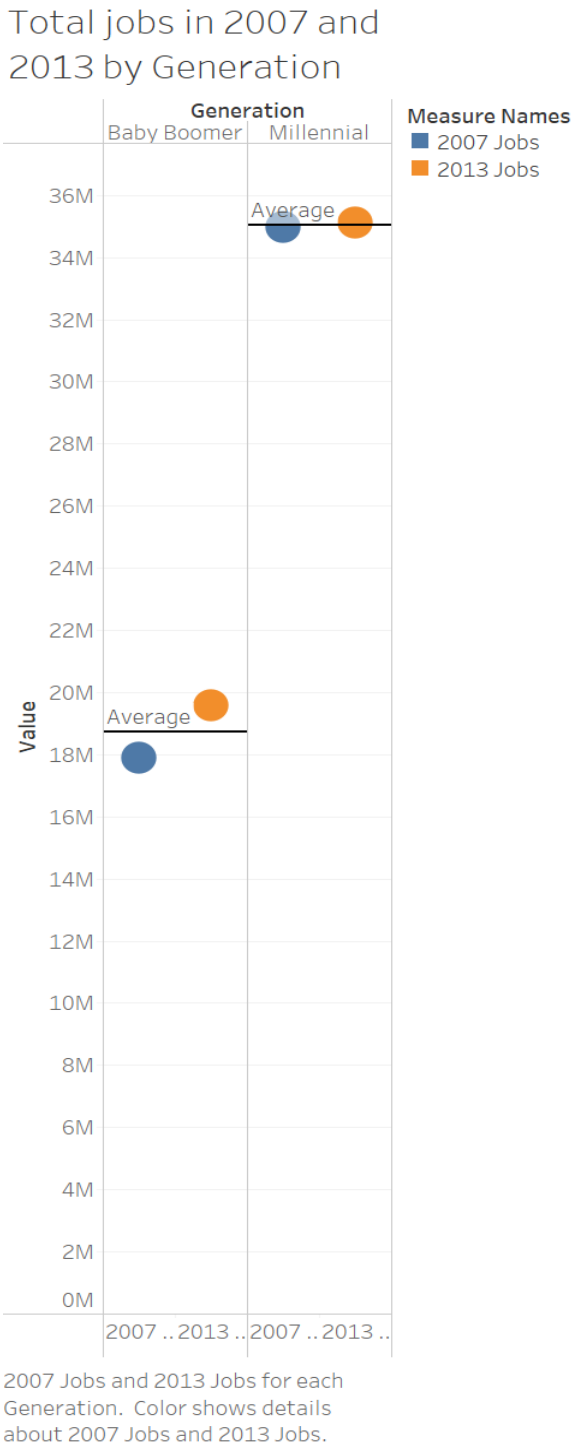
Assignment

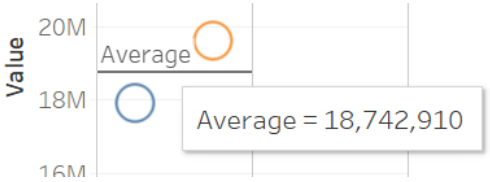
1. Visualization displaying - Total jobs in 2007 and 2013 by Generation (Using ‘side-by-side circles’ visualization – this type of visualization is used for ‘comparison’)



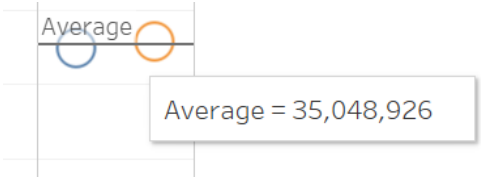
a. **What is the exact number of jobs for Millennials? and Baby Boomers?**
    - Exact no of jobs made my Millennials in 2007 and 2013 are 234,968,783 and 39,129,069
    - Exact no of jobs made by Baby Boomers in 2007 and 2013 are 17,892,555 and 19,593,264

b. **Which generation has a higher difference between the number of jobs in 2007 and 2013?**
    - Generation with higher difference : Baby boomer

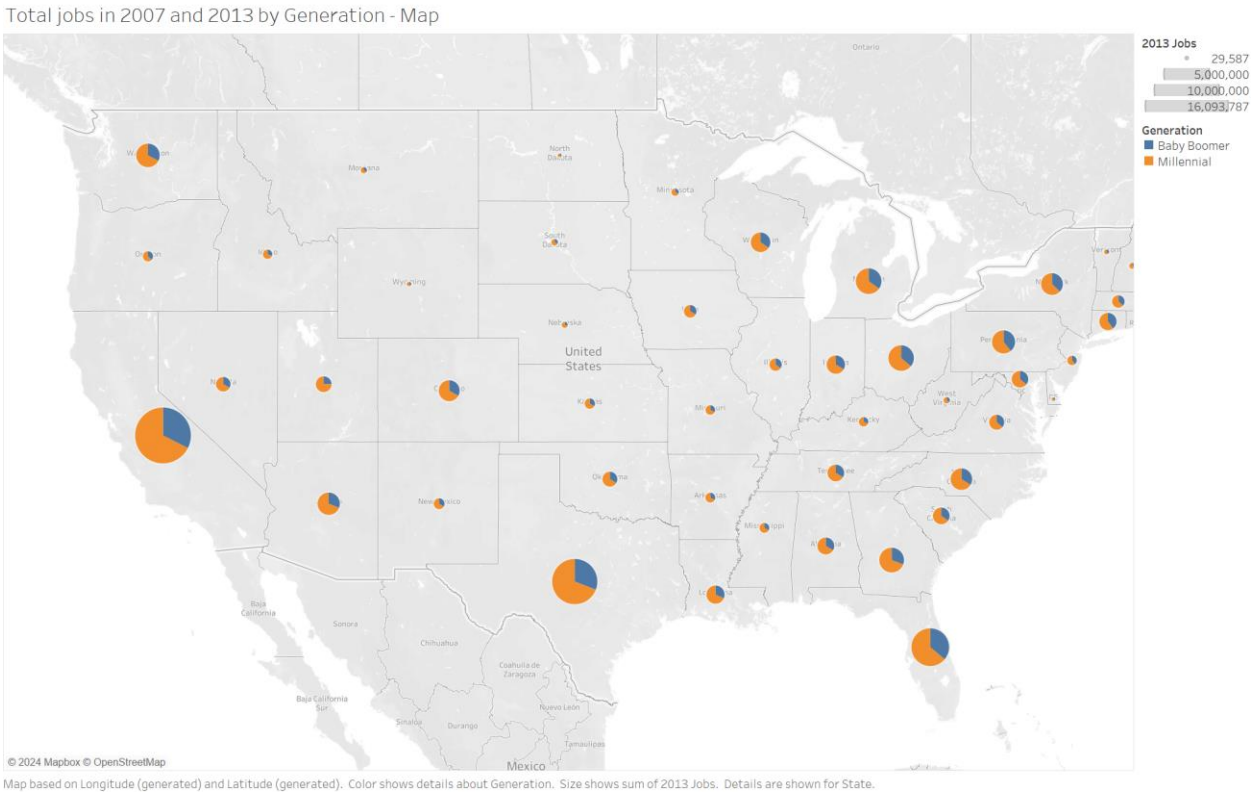
c. **Averages of number of 2007 and 2013 jobs for each of the generation Baby boomers and Millennials (two averages).**
    - Average no of jobs for Baby boomers: 18,742,910



    - Average no of jobs for Millennials: 35,048,926

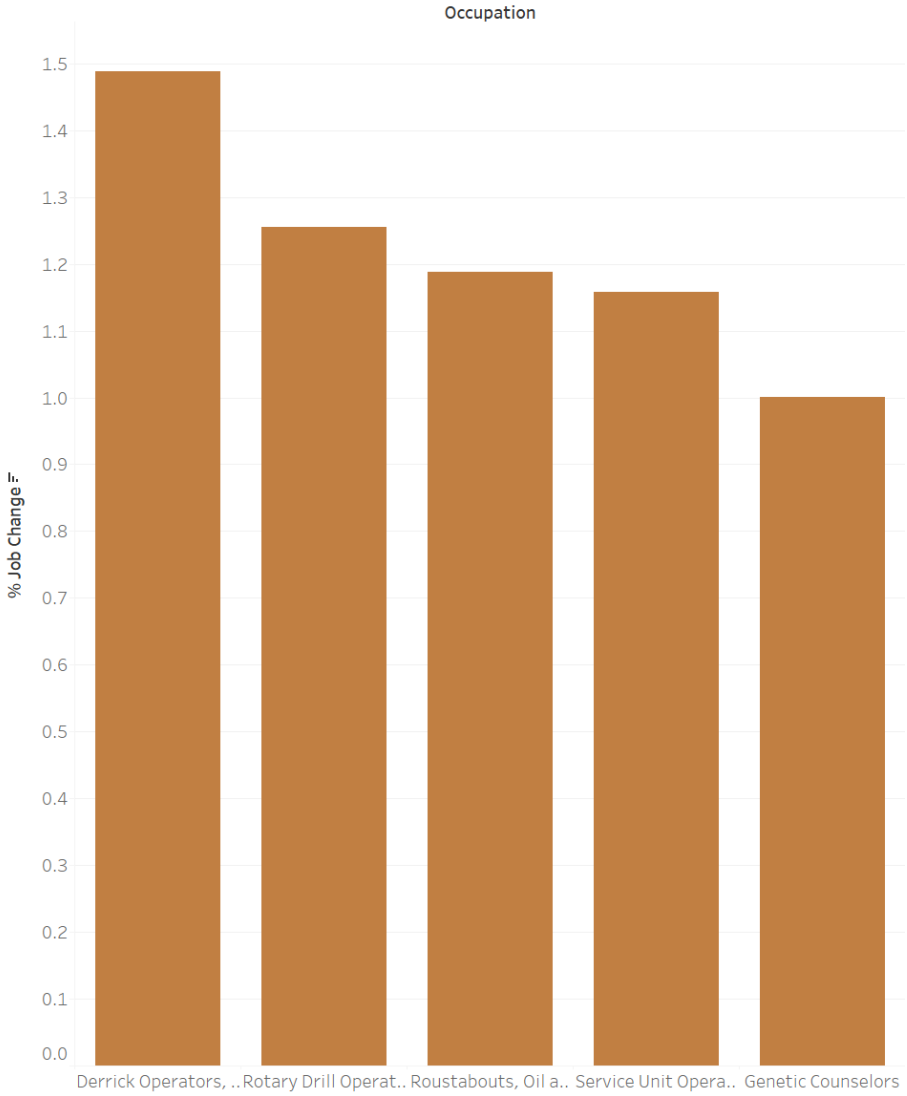


2. Visualization displaying - Total jobs in 2007 and 2013 by Generation (using ‘map’visualization)



3. Visualization displaying - Top 5 occupations that had max. % Job change (using‘horizontal bars’ visualization)

Top 5 occupations that had max. % Job change

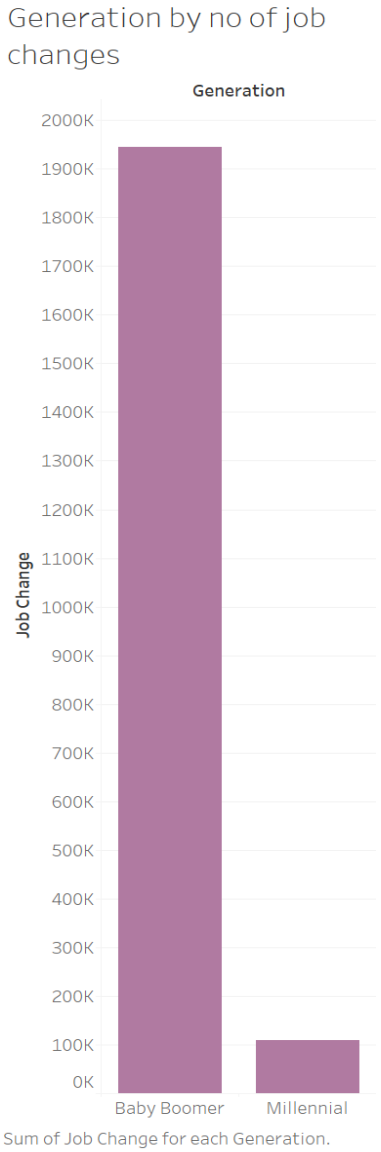


Sum of % Job Change for each Occupation. The view is filtered on Occupation, which keeps Derrick Operators, Oil and Gas, Genetic Counselors, Rotary Drill Operators, Oil and Gas, Roustabouts, Oil and Gas and Service Unit Operators, Oil, Gas, and Mining.

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

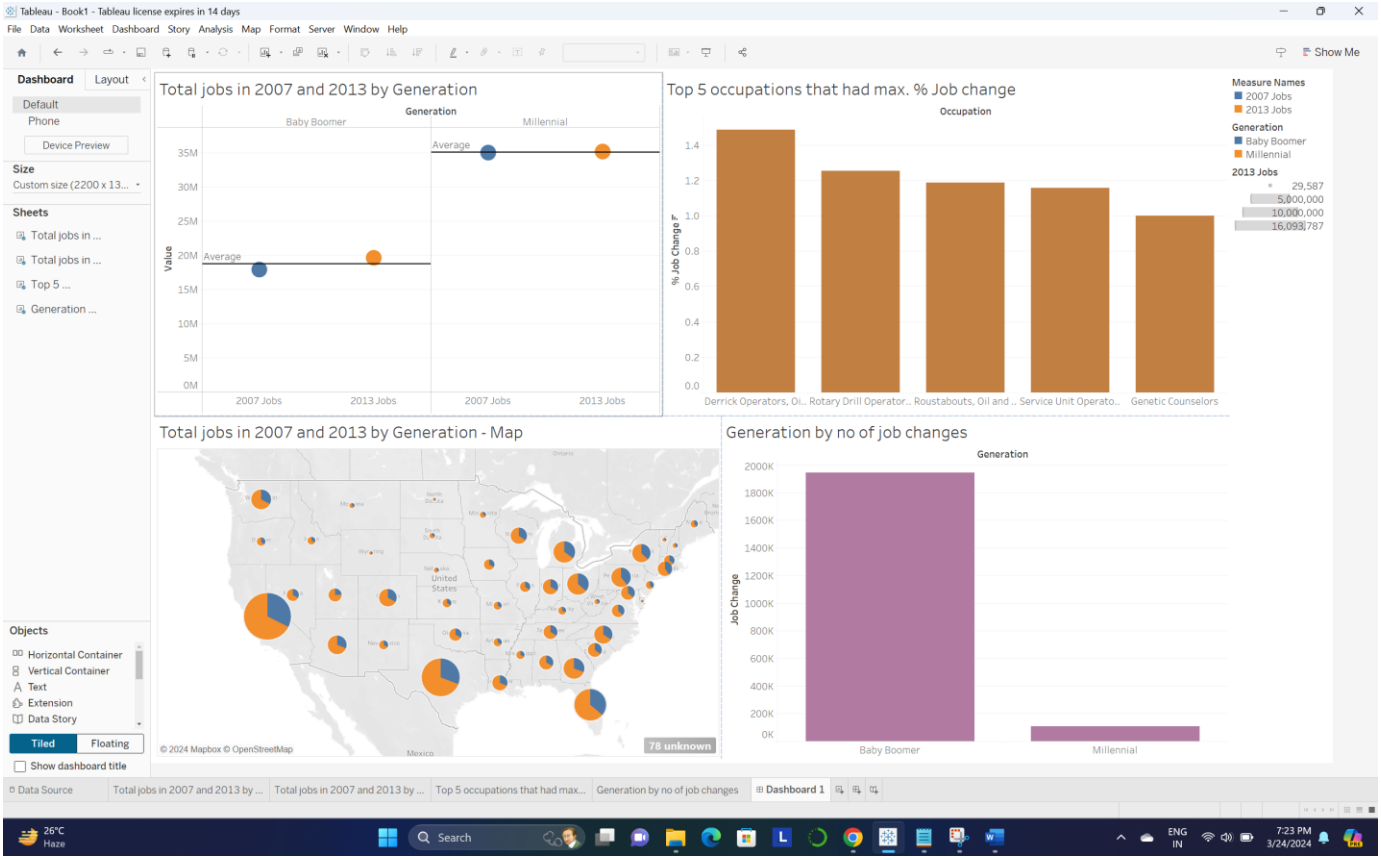
- Created a visualization that shows number of job changes by generation.

Insights: Baby Boomers experienced a significantly higher job change, exceeding 1.9 million (i.e. 1,945,665), while Millennials have seen a much lower rate, below 200K (i.e. 109,919). This disparity could be attributed to various factors including economic conditions, industry growth or decline, and work-life balance or professional development opportunities, and be more willing to change jobs to find a better fit.



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

- Created a dashboard for all 4 visualizations.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Sheets
Total jobs in ...
Total jobs in ...
Top 5 ...
Generation ...
Total jobs in 2007 and 2013 by Generation
Generation
Baby Boomer
Millennial
Average
Value
35M
30M
25M
20M
15M
10M
5M
0M
2007 Jobs
2013 Jobs
2007 Jobs
2013 Jobs
Top 5 occupations that had max. % Job change
Occupation
% Job Change F
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Derrick Operators, Oi..
Rotary Drill Operator..
Roustabouts, Oil and ..
Service Unit Operato..
Genetic Counselors
Measure Names
2007 Jobs
2013 Jobs
Generation
Baby Boomer
Millennial
2013 Jobs
29,587
5,000,000
10,000,000
16,093,787
Total jobs in 2007 and 2013 by Generation - Map
United States
Mexico
© 2024 Mapbox © OpenStreetMap
78 unknown
Generation by no of job changes
Generation
Job Change
2000K
1800K
1600K
1400K
1200K
1000K
800K
600K
400K
200K
0K
Baby Boomer
Millennial
Objects
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Vertical Container
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Generation by no of job changes
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