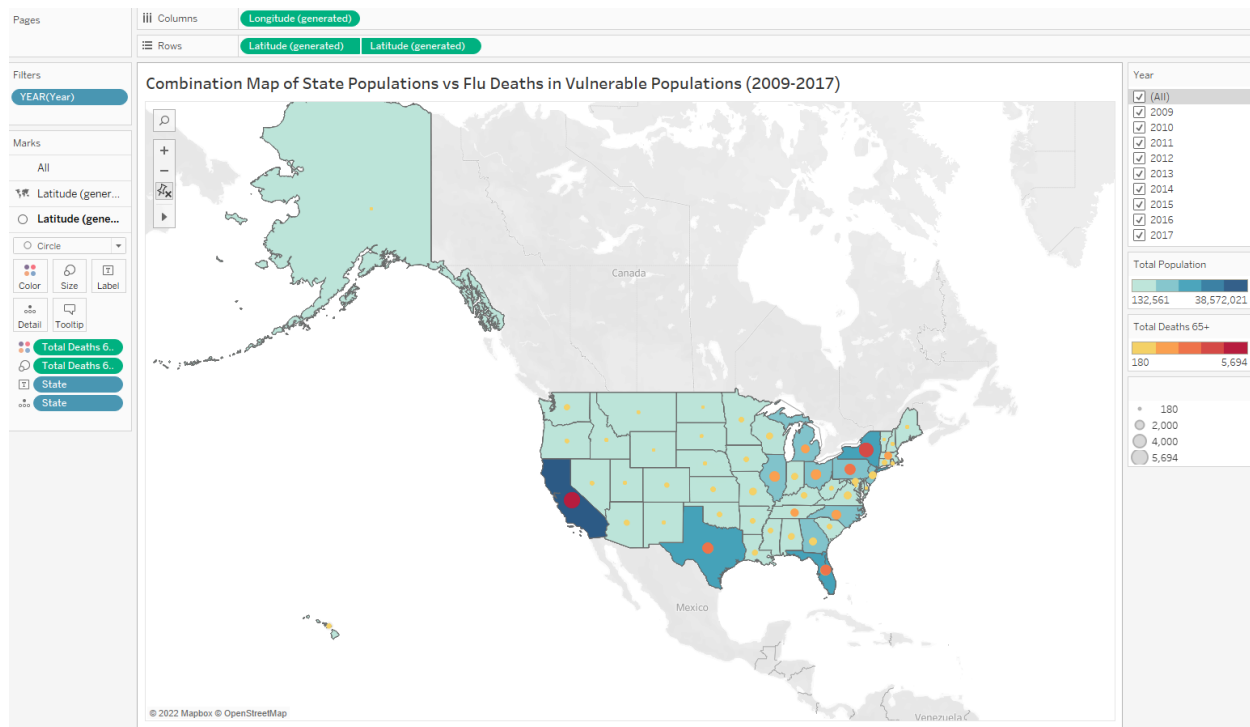


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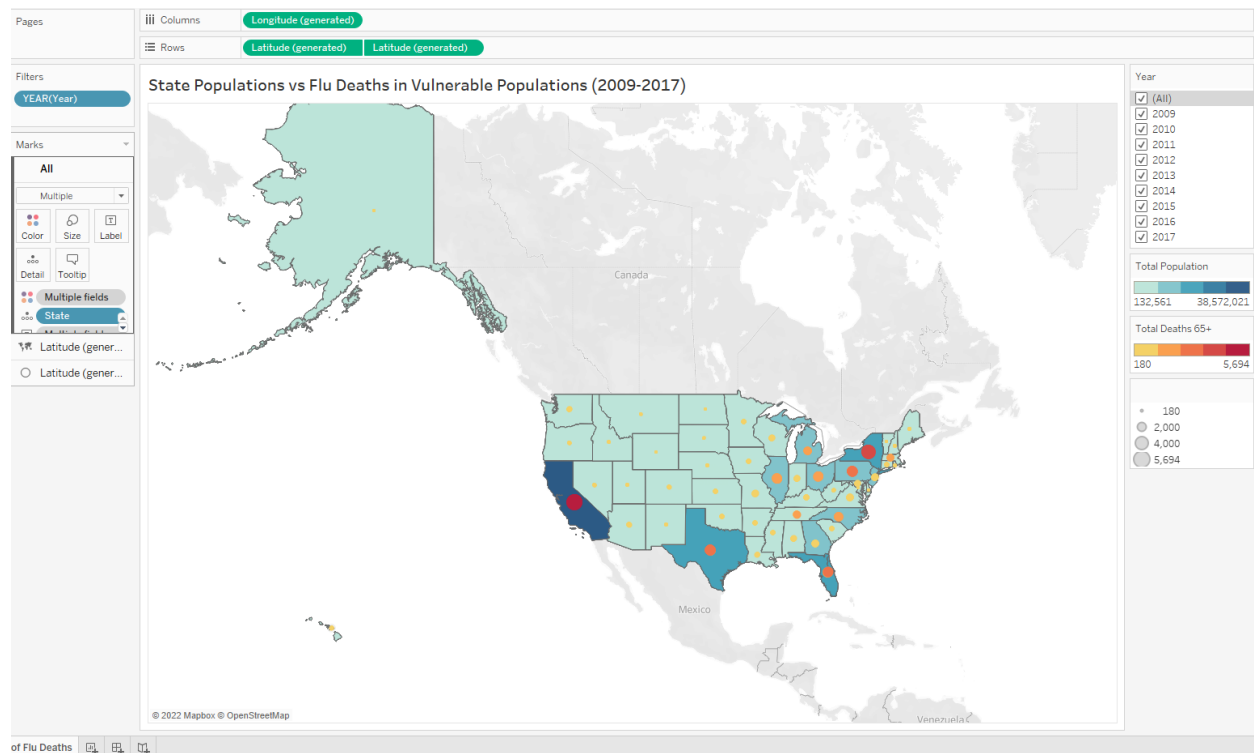
## 2.7: Spatial Analysis

1. Create a map of influenza deaths by state, using state as the spatial boundary.
  - Decide whether you want to look at a particular month, year, or average across time.
2. Add another count to the map, turning it into a combination (dual axis) map.\
3. Update your visualization using the style guide you created in Exercise 2.2: Visual Design Basics & Tableau.



4. In a Word doc, describe any spatial trends you see:
  - What states or regions are the highest? The lowest?
  - How does time impact those trends?

California, New York, Florida, and Texas have both the highest populations as well as the highest deaths due to influenza in people 65 and older. These trends due not change from year to year so we can assume it should be the same for 2018. This will help us in deciding which states will need the most staffing assistance during flu season in 2018.



[State Populations vs Flu Deaths in Vulnerable Populations \(2009-2017\)](#)