Task 2.9 Outline

[2.9 Preparing for Influenza Season Version 2 | Tableau Public](https://public.tableau.com/app/profile/alex.kaplan3758/viz/2_9PreparingforInfluenzaSeasonVersion2/InfluenzaSeason?publish=yes)

* Slide 1: **Preparing for Influenza Season**
  + Introduction to the project; what you will be doing, why you are doing it, and what problem you will be solving **o provide a localized staffing plan for each state’s upcoming influenza season.** Explain preparing for flu season to adequately provide staff to medical locations for influenza patients. Doing this because vulnerable populations are most at risk of developing sever symptoms and dying compared to non vulnerable populations.

**Visuals to help:** Use bar chart to show deaths per year.

* Slide 2: **Vulnerable populations, Intro**
  + Who are they and why are they important to solve this problem? Vulnerable aged 65 and above.
  + State your hypothesis

**Visuals:** Display deaths per capita in bar graph to show 65 and above have more deaths per capita than nonvulnerable.

* Slide 3: **Vulnerable populations, Results**
  + The results of your test; this is how impactful vulnerable populations are to overall flu severity
  + Location: this is where those populations are located, and this will guide recommendations to these areas

Slide 4: **Correlation**

**Visuals:** Use scatterplot to show correlation between vulnerable aged population and increased influenza related deaths

Slide 5: Age Groups with most deaths

**Visuals:** Bar graph comparing deaths of each age group with 75-84 being the highest

**Visuals:** Tree map and combination map to illustrate states population and deaths 65 and older.

* Slide 6: **Seasonality**
  + We've addressed the what, and the why; now we address *when*
  + This is the forecast, and these are the peak seasons for each region.

**Visuals:** pie chart for comparison of vulnerable vs nonvulnerable populations. Use line chart to show seasonality.

**Slide 7 Forecast:** Use forecast visual to predict 2018 influenza deaths

* **Slide 8**: **Conclusion**
  + Summarize everything you've discussed: purpose of the project, impact of vulnerable populations, seasonality
  + Give your recommendations
  + Next steps: discuss what will need to happen next to move forward with the project. Maybe budgeting is another factor that needs to be discussed next to quantify how much staff to send to each location?

**Slide 9** Recommendations and Next steps. Sending more medical staff to states with most influenza related deaths like California and New York. Recommend possible budget allocation for upcoming influenza season.