



# PREPARING FOR FLU SEASON IN THE U.S

Medical Staffing Agency



# PROJECT

## **Company**

A fictional medical staffing agency want to plan for the upcoming influenza season by providing temporary workers to clinics and hospitals across the United States on an as-needed basis.

## **Objective**

To determine when to send staff, and how many, to each state.

## **Data Set**

The data used for this analysis is influenza death data from the CDC, and population data from the U.S. Census Bureau.

# OVERVIEW

## Key Questions

Provide information to support a staffing plan, detailing what data can help inform the timing and spatial distribution of medical personnel throughout the United States.

Determine whether influenza occurs seasonally or throughout the entire year. If seasonal, does it start and end at the same time (month) in every state?

## Skills/Tools

- Excel
- Translating business requirements
- Data cleaning, integration and transformation
- Statistical hypothesis testing
- Visual analysis
- Forecasting
- Storytelling in Tableau
- Presenting results to an audience

# ANALYSIS

## Steps

Source, profile, and clean the data sets

Integrate the two data sets using Excel

Calculate summary statistics and identify any correlations

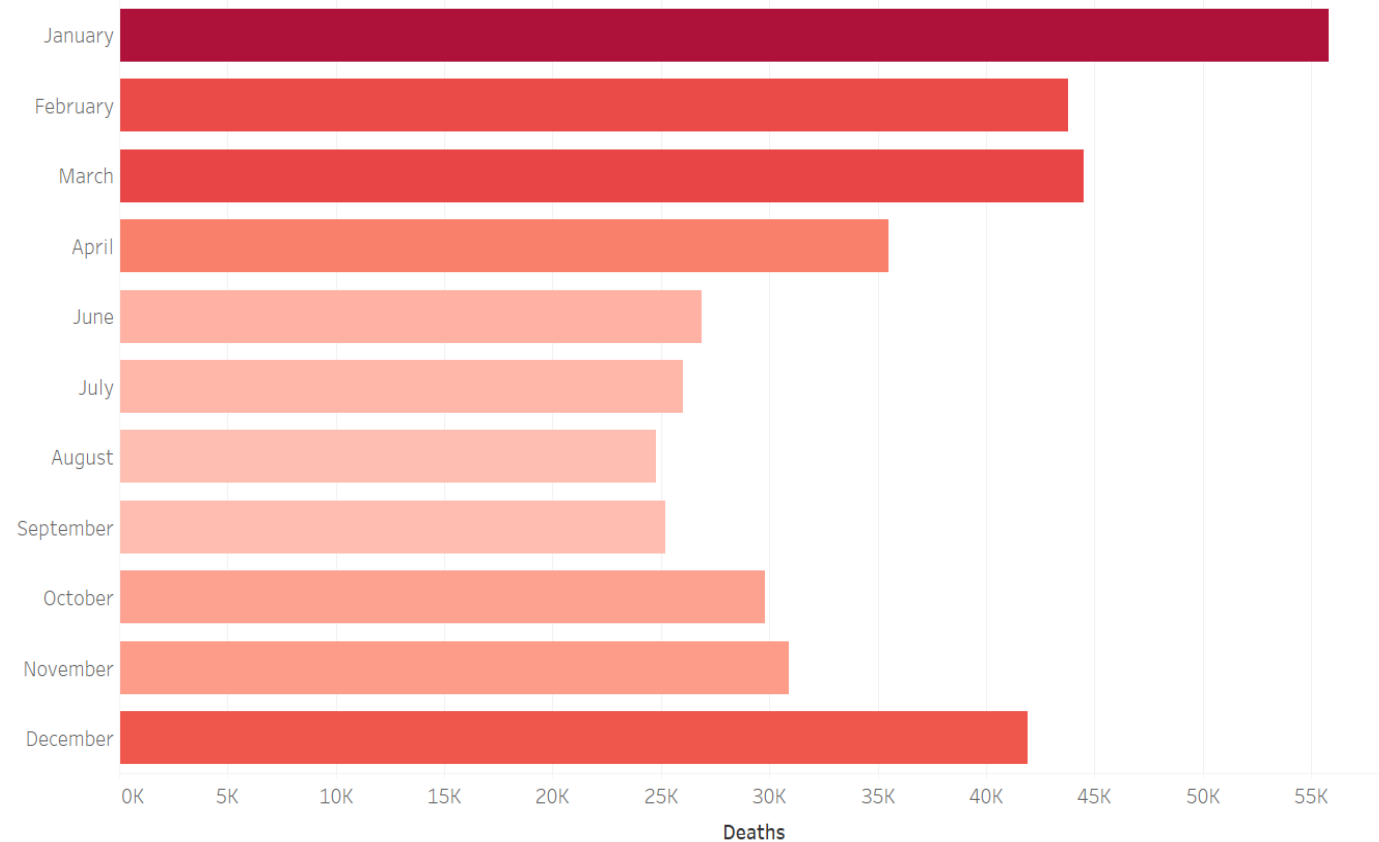
Create an interim report

Use Tableau visualizations to explore the data

Create a Tableau interactive story board with staffing recommendations

# VISUALIZATIONS

## When is the Flu Season?



This chart show us the influenza death by month, it tells us that influenza occurs seasonally and it starts and end in different months

[Link to Tableau presentation](#)