Kareemah Ashiru
Exercise 2.10

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Project Limitations and Metrics

- Were there any limitations that prevented you from conducting an analysis? Think of these in terms of a future project or wish list (i.e., "If I had x, I would have been able to do y.").

    - I wish both data from Influenza deaths and Population had months + years included. This would have provided a more accurate idea for when to send staff in a standard format after data integration. I had to make a forecast for when to send medical staff with only the data set from Influenza deaths (that had months + years).

    - Data of vaccinated and unvaccinated individuals by state.

    - Age and flu infection record of hospitalized patients.

    - Health status and pre-existing conditions of patients.

    - Current medical staff count.

- Did your data have any limitations that may have affected your results?

    - Yes, missing months + years from the U.S. census

    - Suppressed Influenza deaths for some age ranges. If these numbers turn out to be significant, it can affect the result of this project presentation.

- Consider this in terms of data quality and data bias.

    - There could be data bias for certain population or influenza death figures not included in this data set.

- How might you monitor the impact of the staffing changes you recommended?

    - I'll request the current count of medical staff available before project implementation and count after the project has been implemented.

    - One or two years after the influenza project has been implemented, measure the changes to influenza deaths for patients 65+ years. I'll know the impact of my

recommendation depending on if these patient deaths have increased, decreased or stayed the same.

- At the initiation of this project, Scion staffing agency can create a feedback page for both patients and medical staff to rate their experiences and leave comments. This information will help our analyst measure the impact of staffing changes and medical resource availability.