PHPM 631 Lab 2: Data to Decision
Due date: Submit on E-Campus by 11:59pm Sunday 2/2

Submission: Submit to Assignments/Lab 2: Data to Decision
- Submit a screenshot of your dashboard with the three graphs you created

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Guideline for assignment grading
- This is a 0/1 grading based on timely submission. What follows is an exercise to introduce you to using both Tableau and Excel (different aspects).

Objective

By the end of this lab, you should be able to:

- In Tableau:
  - Create new variable values
  - Create subgroups of observations from the Map
  - Create an interactive dashboard

Lab 2:

Follow the step by step directions below:
Download the data from the class website
Do the tableau exercise and submit

Tableau

3) Insert the "aha_basic" file to Tableau.

Create new variable values

4) Split the variable ZIP to get only the first 5 numbers
     a) Click on the dropdown button above the variable name "ZIP"
     b) Select "Custom split"
     c) In the "Use the separator" box define which symbol is the splitting point. In this case, you can see that after the first 5 numbers, which is what we want, there is a "-" symbol. Insert this as the separator and click "OK".
     d) A new variable is generated similar to "Locozip"

Create line-graph

5) Click on "Sheet 1" to open the Tableau interface.
6) Drag "totbeds" (from Measures) into rows
7) "Htype" (Dimensions) into columns
8) "Year" into Color
9) Select line-graph from "Show me"

Create cross-tab

10) Right Click on Sheet 1 and "Duplicate as cross-tabs"
11) Above "Columns" change "Standard" to "Entire view"
12) In "Marks" click on the dropdown option on "sum(totbeds)", select "Quick Table Calculation" and then "Percent Difference"

Create a subgroup of observations

13) Open a new sheet
14) Drag "county" into rows and "ob" into columns
15) On "show me" select "Map"
16) Fix the 76 unknown as we did in the previous lab
17) Adjust transparency of the map:
    a) Select "Color" in "Marks"
    b) Adjust "Opacity" to 50% and Border to a color you like
18) Drag your mouse over the map towards the upper left side
19) Select the small triangle, without clicking on it ▶
20) Left click on the last available symbol (right)
21) By left clicking on the map a line is generated marking a specific area
22) Hold your left click and select the area you would like to study by creating a full circle over it
23) Once you close the circle, a new option tab appears
24) Select the option "Group members" which is a paperclip symbol next to "Keep Only"
25) In "Dimensions": you now see a "county(group)" option
    • This is now a subgroup of all counties (only the counties you selected)
26) Go to your previous sheets and drag "county(groups)" into rows
27) You will see now that you get information for the counties you picked
    • Other: what you did not pick

Create an interactive dashboard

28) Create a dashboard (you can fix size by selecting: automatic)
29) Select by left-clicking on the map a county you like
30) On the right side of the map sheet, you have 4 options
31) Select : "Use as filter"
32) If you have done things correctly you will notice that all 3 sheets change depending on the county you pick

33) Save the dashboard and submit