

Client Report - Clinic City Search

Goal: Client is seeking potential location of clinic(s) to serve populations that are: uninsured, low income, and high risk of developing heart disease. These clinics will implement our machine learning model to determine if a patient needs to be seen at a hospital, resulting in lower-cost care for non-emergent cases.

HEAT MAP



states with a high population of uninsured, low income

HEAT MAP



states with a high population of x demographic deemed high(er) risk:
men, people aged 65+

HEAT MAP



states with large populations of smokers and obese people

Evaluate states of interest to highlight cities in which clinics would make the highest impact.

BAR GRAPH



cities with a high population of uninsured, low income

BAR GRAPH



cities with a high population of x demographic deemed high(er) risk:
men, people aged 65+

BAR GRAPH

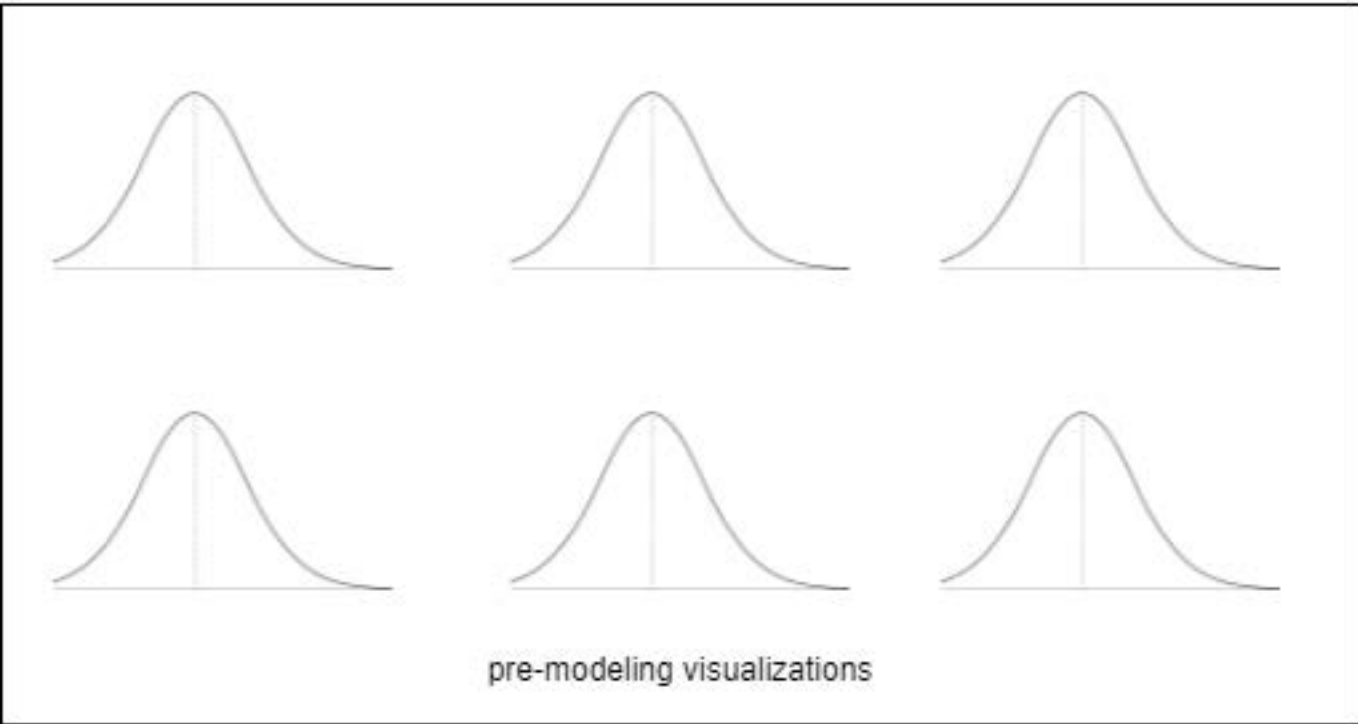


cities with large populations of smokers, and obese people

Determine cities that will have highest impact OR determine geographic center of several cities for greater impact (if feasible/applicable).

Client Report - Using ML to Determine Patient Heart Disease Risk

Discuss the machine learning model we trained and how it will make an impact in the clinics we have "placed"...lower healthcare costs due to reduced trips to hospital, etc.



CORRELATION MATRIX		
age		
maxHR		
	age	maxHR

"Precision Table"		
model 1		
model 2		
model 3		

discussion of model types, fits

discussion of chosen model

ROC plot

Group 2: Client Report Feedback

1. Consider adding detailed legends to heat maps
2. Consider adding more specifications on each characteristic we are looking at, decide more clearly what to look at and focus in on that
3. Keep color schemes consistent, either across risk factors or across sections of the report
4. Zoom in to specific states or counties with heat maps rather than just having a US heat map.
5. Maybe want to combine the several bar charts into one clustered bar chart
6. Make sure figures are large enough to be clear to the reader