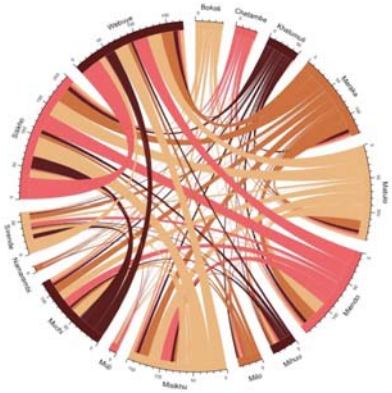
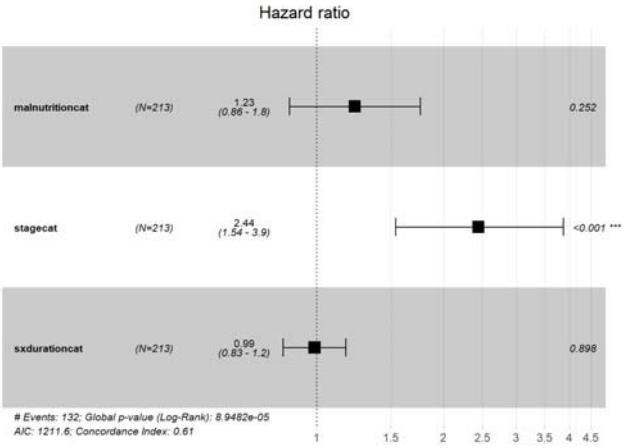
3. Student Projects

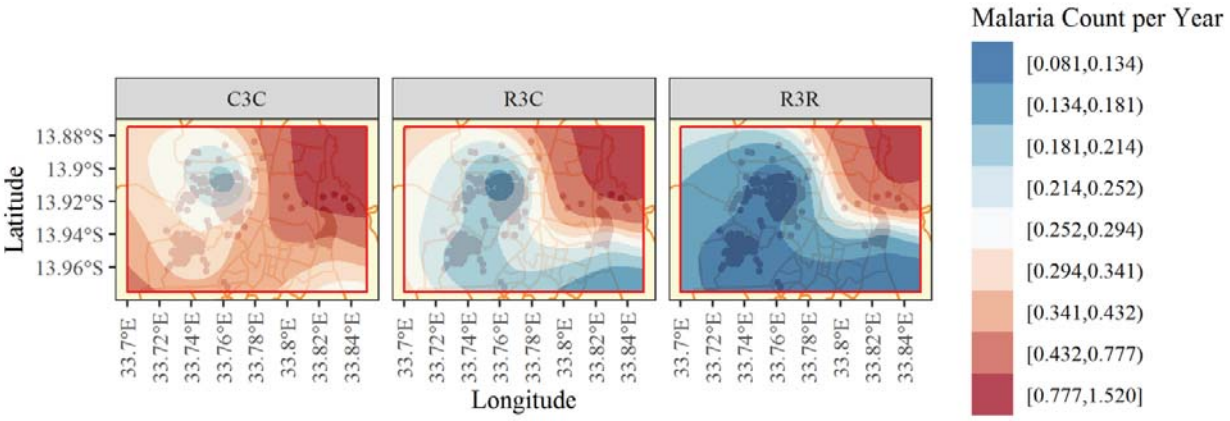
<u>Examples of Student Final Projects from Fall 2018</u>



Kelsey Sumner visualized P. falciparum malaria haplotype presence over time in Webuye, Kenya.

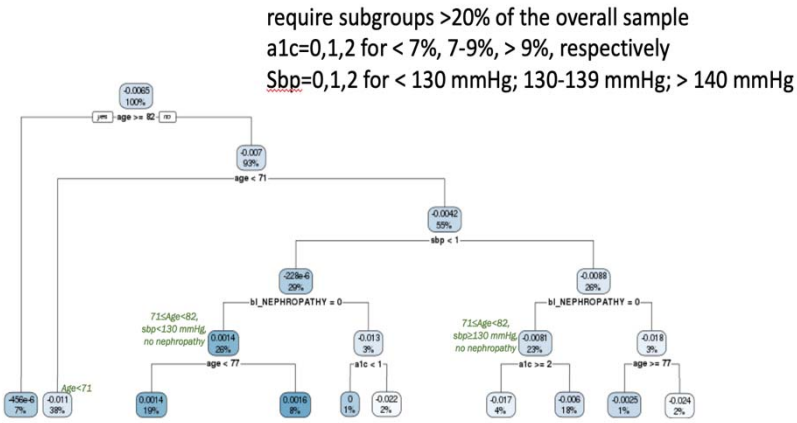


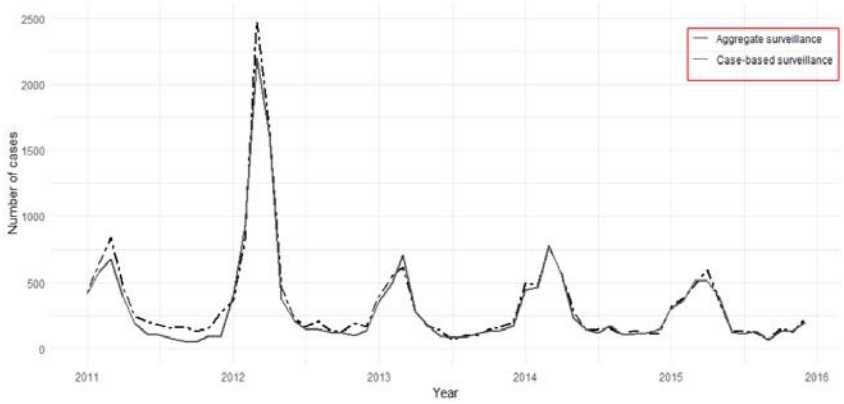
Hillary Topazian estimated the association between malnutrition and pediatric lymphoma mortality in Malawi.



Griffin Bell assessed malaria vaccine efficacy by geographical and ecological factors in Malawi.

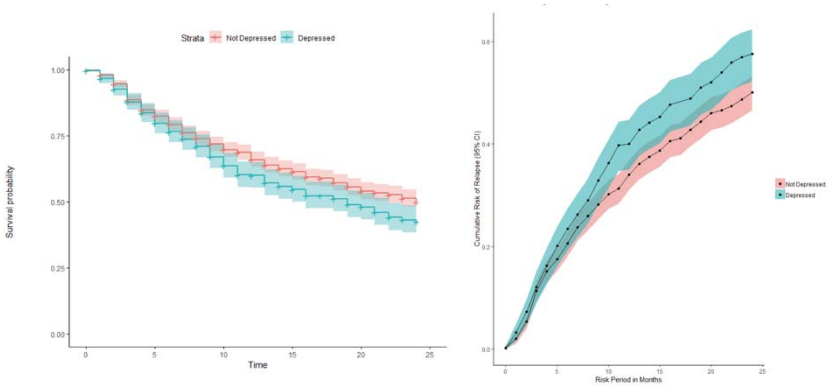
Tian Wang used machine learning with recursive partitioning to estimate heterogeneous causal effects for different diabetic therapies.



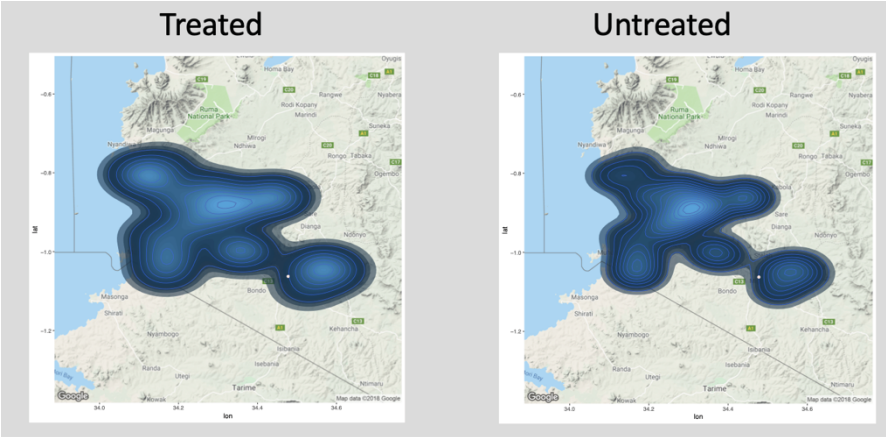


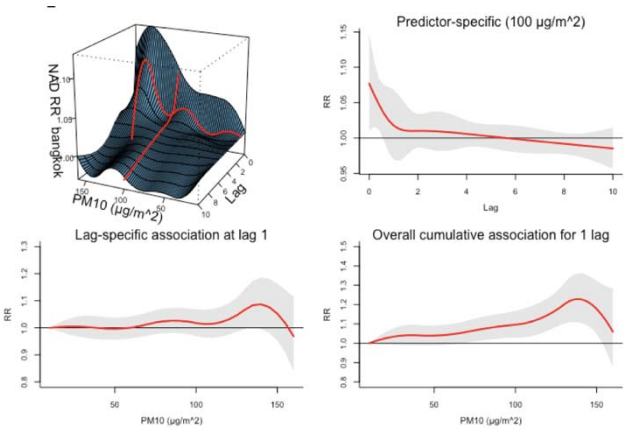
Oumar Diallo estimated the impact of the MenAfriVac™ Vaccine in Burkina Faso from 2011-2015.

Bethany DiPrete used survival analysis to measure the effect of depression on HIV viral suppression.



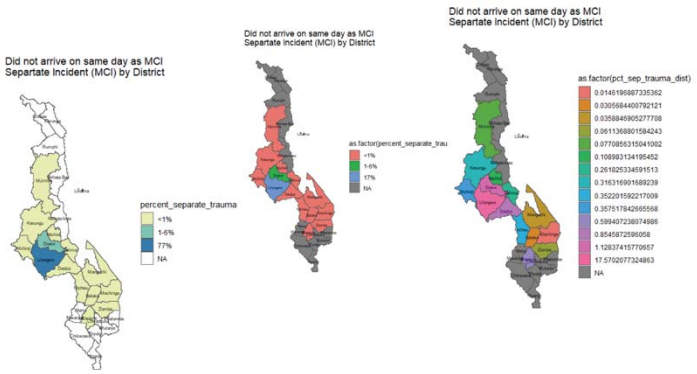
Sinéad Isaacson created maps estimating rates of adherence to follow-up treatment in a cervical cancer screening trial in Western Kenya.



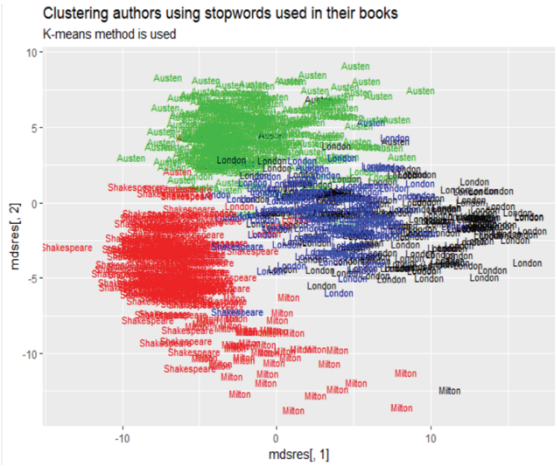


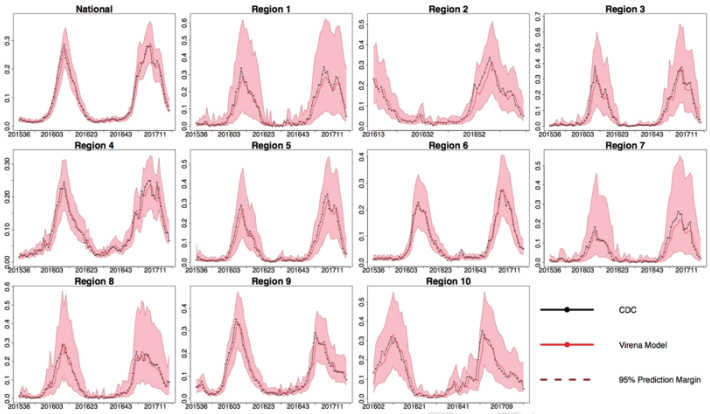
Samuel Goldstein, an undergraduate, performed a time-series analysis on air pollution in Thailand from 2007-2016.

Nidia Rodriguez-Ormaza created maps to estimate mass casualty incidents at a tertiary hospital in Malawi.



Sunhwa Park performed text-analysis to find "clusters of words" that differentiated Victorian authors.





Sequoia Leuba tracked and predicted U.S. influenza activity from a surveillance network.