Cumulative data:

<https://raw.githubusercontent.com/systemsmedicine/plague2017/master/data/cum.csv>

Precipitation, temp, elevation: <https://raw.githubusercontent.com/systemsmedicine/plague2017/master/data/1180122.csv>

Factors need to be considered: precipitation, temperature, elevation, population density, night light (development level), heath facility density

How they impact the prevalence and mortality of plague in different regions?

References:

1.Climate condition for rat fleas: Shrewsbury, 2005

J.F.D. Shrewsbury

A History of Bubonic Plague in the British Isles

Cambridge University Press (2005)

URL: <https://books.google.nl/books?id=ATOlhaEvN3wC>

2.Travel time to health facilities: From Malaria Atlas

https://malariaatlas.org/research-project/accessibility-to-healthcare

3.Population density: downloaded from Worldpop

4.Night light: downloaded from Worldpop

5.Cases data: Organized from the Madagascar Health Department reports.

Precipitation, temp, elevation: <https://raw.githubusercontent.com/systemsmedicine/plague2017/master/data/1180122.csv>