Analyzing Lyme Disease Help-Seeking on Social Media
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Introduction

- Lyme disease is an infectious disease spread through the bite of the tick. It has widely spread in united states. The limited knowledge and acceptance of the disease has led people to use online forums.
- The goal of the project is to analyze the data available on online forums related to Lyme disease to obtain relevant information by categorizing them into different context based frames which can be used in narrative extraction.

Approach

- Perform statistical analysis on semafor frame extraction tool by running it on lyme disease dataset.
- Develop a narrative frame schema by using frameNet and manual inspection to understand different context of posts.
- Build/train/test LSTM model to categorize the posts into different context based frames.

Results

The results show that we were able to categorize the posts into context based frames. This helped us to understand different topics/contexts discussed on online forums.

Future Work

Develop relationship between different identified frames.