

# Spatio-temporal Public Health Analysis and its Ethical Concerns

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## INTRODUCTION

Many research has revealed that analyzing tweets in volume can measure different population characteristics, including public health measures [1–4, 6, 7]. Research analysis like correlating influenza rates w.r.t geography (spatial) and time [8], state level food and health behavior analysis [5], predicting heart disease rate mortality rate based on twitter information [2]; are motivating examples to carry out such analysis for improving and create for public health. All these above adhoc analysis motivates to build a general system for comprehensive analysis. In this work, I will present overview of architecture and desired features to build such system or tools.

- 1 PART A: SPATIO-TEMPORAL SYSTEM  
ARCHITECTURE FOR HEALTH ANALYSIS:
- 2 PART B. PUBLIC HEALTH ANALYSIS AND  
ETHICAL CONCERNS:

[? ]

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