

# A tale of two cities: A GIS based data synthesis approach to understanding semantic decompositions of Twitter user locations

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## Abstract

Today's pervasive Location Based Social Media provide abundant user-generated geographic information. In this paper, we present a geographical information system (GIS) based data synthesis approach to understanding semantic decompositions of Twitter user locations. Specifically, we implemented a This approach. We analyzed the

## 1 Introduction

xx (Yin et al., 2016)

With the advancements in mobile technology, the location information what is it?

why it is important?

why is my solution?

The remainder of this paper is organized as follows. Section 2 introduces the related work. Section 3 details the Detailed analysis of the Section 5 presents the results. Section 6 concludes the paper.

## 2 Related Work

## 3 Methods and Materials

### 3.1 Geo-located Twitter Data

Geo-located Twitter data refer to

### 3.2 A scalable data synthesis framework

## 4 Results

## 5 Discussions and Conclusions

Talk about OpenStreetMap for potential large scale validation. talk about the limitation of detailed land use maps currently available.

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## References

- Yin, J., Gao, Y., Du, Z., and Wang, S. (2016). Exploring multi-scale spatiotemporal twitter user mobility patterns with a visual-analytics approach. *ISPRS International Journal of Geo-Information*, 5(10):187.