

# Chapter 1

## Introduction

The objectives of nowadays big-data analysis are bi-folded. First, how to discover insights from big-data is interesting and often domain-specific. Second, how to package the insights as queries and subsequently process them efficiently is often challenging and lacks of study. In this thesis, we study the neighborhood analytics over big data on three promising fields, namely, *graph data*, *streaming data* and *spatial-temporal data*.

*Graph* is a generic data representation for linked resources.

*Stream* data often occurs in ....

*Spatial-temporal data* ...

### 1.1 Neighborhood Analytic

## Chapter 2

# Literature Review

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# Chapter 3

## Sample Title

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# Appendix A

## Sample Title

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# Bibliography