

Bachelorarbeit

User-aided Pattern Search and Analysis on Business Graphs

Nutzergestuetzte Graphanalyse und Mustersuche auf
Unternehmensgraphen

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Abstract

Costructing a graph made up of thousands of businesses may be hard, but actually making sense of it is a lot harder. With huge amounts of data being integrated into the data lake every day, automatic methods for finding interesting spots in the graph are needed. This paper discusses different approaches that can be taken to extract useful knowledge from such a graph.

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1 Introduction

1.1 Glossary

1.2 Motivation

1.3 Understanding risk analysis on graphs

1.4 Used techniques and related works

2 Data structures for business entities

2.1 Graph encoding for column family storage

2.2 The *subject* data structure

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3 Architecture

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4 Pattern Search

4.1 Discerning patterns from randomness

4.2 Pattern types and their applications

4.3 Operating on graph differ-

References