Contents

Objective

Background

Methodology

Experimental Set up

Preliminary Results

Schedule

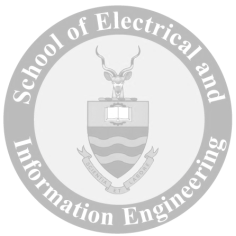
Summary

Extendible Multi-Dimensional Sparse Array Representations For Data Warehousing

Catherine Honegger

School of Electrical and Information Engineering
University of the Witwatersrand, Johannesburg, South Africa

5 October 2017



Contents

Objective

Background

Methodology

Experimental Set up

Preliminary Results

Schedule

Summary

Outline

Objective

Background

Methodology

Experimental Set up

Preliminary Results

Schedule

Summary

Contents

Objective

Background

Methodology

Experimental Set up

Preliminary Results

Schedule

Summary

Objective

The aim of the proposed study is to improve the modelling and representation of extendible multi-dimensional sparse arrays so that useful compression and storage techniques can be determined.

Contents

Objective

Background

Methodology

Experimental Set up

Preliminary Results

Schedule

Summary

Background

Contents

Objective

Background

Methodology

Experimental Set up

Preliminary Results

Schedule

Summary

Big Data Representations

Contents

Objective

Background

Methodology

Experimental Set up

Preliminary Results

Schedule

Summary

Sparse Array Representation

Contents

Objective

Background

Methodology

Experimental Set up

Preliminary Results

Schedule

Summary

Multi-dimensional Array Representation

Contents

Objective

Background

Methodology

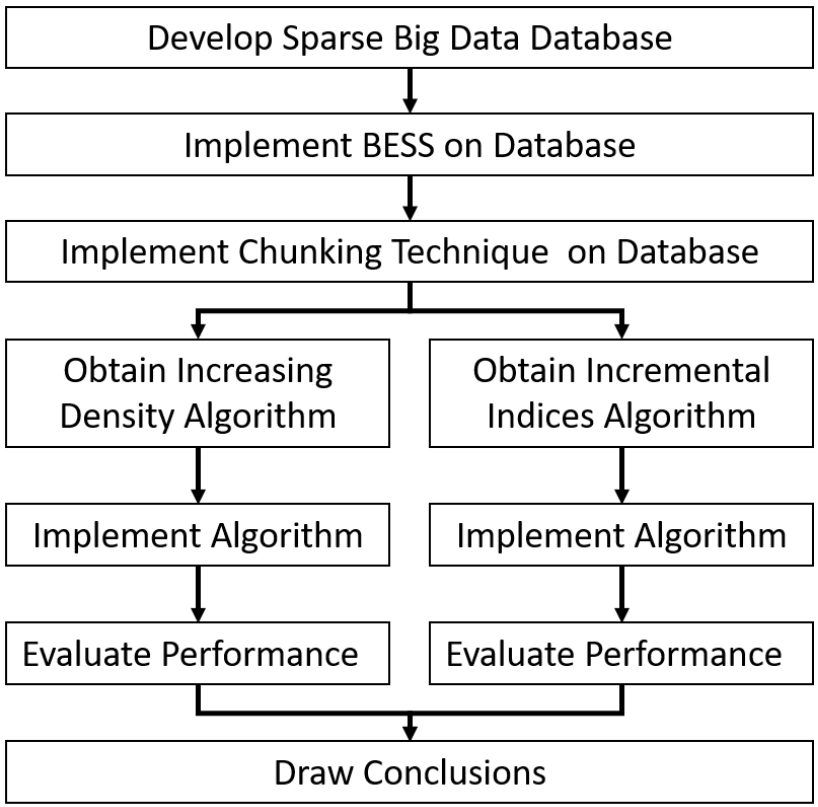
Experimental Set up

Preliminary Results

Schedule

Summary

Methodology



UNIVERSITY OF THE WITWATERSRAND JOHANNESBURG

Contents

Objective

Background

Methodology

Experimental Set up

Preliminary Results

Schedule

Summary

Experimental Set up

- Laptop with an Intel(R) Core(TM) i5-2450 multi-core processor at 2.50 GHz and 4GB
- Ubuntu 64-bit Linux 16.04.3 LTS.
- C using GNU Compiler Collection (GCC) 7.2.

Contents

Objective

Background

Methodology

Experimental Set up

Preliminary Results

Schedule

Summary

Preliminary Results

Contents

Objective

Background

Methodology

Experimental Set up

Preliminary Results

Schedule

Summary

Schedule

Contents

Objective

Background

Methodology

Experimental Set up

Preliminary Results

Schedule

Summary

Summary

Contents

Objective

Background

Methodology

Experimental Set up

Preliminary Results

Schedule

Summary

References

Contents

Objective

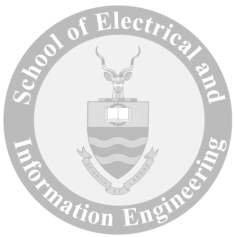
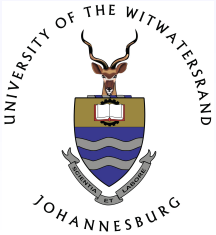
Background

Methodology

Experimental Set up

Preliminary Results

Schedule

Summary

Thank you