Database Design and Implementation
Spring 2014
Project Proposal

Submitted by:
Vijay Kumar Pasikanti, Ashish Jain

February 24, 2014

Problem statement:

1. Performance evaluation of a clustering algorithm(?) on two different database systems.

2. System scalability evaluation on varying magnitude of dataset size.

3. Data used is generated using a synthetic graph generators during testing and evaluation, along with a social networks data from google+.

4. Evaluation:

   (a) Accuracy of the algorithm on varying data size with respect to each database system.

   (b) Average system runtime of the algorithm per dataset with respect to each database system.

   (c) Max/avg memory consumption per dataset with respect to each database system.

Goal and motivation:

Related work survey:

Milestones:

1. System setup

2. Algorithm implementation

3. Evaluation on synthetic data

4. Evaluation on google+ data

References:

1. Paper1

2. Paper2