

Class projects

Big Data in ???



Big Data in ???

Pick a subject in groups of 2 (online at the class website starting from tomorrow):

Astronomy

Energy

Bioinformatics

Cities

Healthcare

How to pick:

Send an e-mail to: Dimitrios.Kotzinos@u-cergy.fr

FIFO

Send 3 choices ordered



What is expected?

A report of around 5 to 6 pages

A presentation of 15 min + time for questions

Report and Presentation Language can be English or French

Make sure that you understood the problem correctly

Don't focus on technical details; add references if needed

Try to collect/add additional information



Report structure

Big Data and Healthcare

Introduction

- Set the context

- Describe the problem

- Identify sources of big data

Big Data in Healthcare

- Types of data

- Properties of data (size, velocity, variety, etc.)

- Open Data

- Linked Data (models, ontologies, etc.)



Report structure

Methods Used to Process Big Data

- Methods to collect data

- Mining methods

- Processing methods

- Analytics

- Privacy/Trust concerns

Infrastructure to process Big Data

- Centralized / distributed

- Cloud computing

- Public / private processing

Conclusions