Title: Trends, Techniques and Challenges for Linked Web Data Management

Abstract:

The increasing number of datasets published as linked data on the Web provides, opportunities of high data availability and challenges to querying data in a semantically heterogeneous and distributed environment. Techniques used for retrieve data from linked databases unsuccessful at Web scale since users don’t have an a priori understanding of all the available datasets. This paper examines the main challenges in constructing a query and search solution for linked data and examines existing methods and trends.