

FEDERATED DATA EXPLORATION SYSTEMS AND INTEROPERABLE DATA EXPLORATION APPARATUSES

ABSTRACT

A federated data exploration system includes a first and a second interoperable data
5 exploration apparatuses. The first interoperable data exploration apparatus executes a data
process engine and has a first data object. The data process engine enables a display screen
to display a visualization user interface, which includes a first and second display areas
respectively for the first and second data object. The second data object belongs to the second
interoperable data exploration apparatus. The data process engine explores the second data
10 object by issuing a sequence of queries in response to a sequence of operations on the second
display area to narrow down a target of interest. The data process engine receives a first set
of identifiers corresponding to the target of interest from the second data object and produces a
target dataset by querying the first data object according to the first set of identifiers.

FIG. 1A