

REVERSIBLE DATA TRANSFORMS

ABSTRACT

In an example, a method may include receiving input effective to select a visualization
5 type to apply to a visualization of data. The selected visualization type is associated with a
contract. Each contract includes a corresponding schema that specifies a set of data fields and
one or more relationships between the data fields in the set to generate and display a
corresponding visualization having a corresponding visualization type. The method may
include mapping at least some data of a data source to the contract such that the contract is
10 satisfied, including applying one or more transforms to the data to generate one or more
intermediate data structures without modifying the data of the data source. The method may
include displaying the visualization of the data based on the contract, the displayed
visualization having the selected visualization type.

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Fig. 3