**VISUALIZATION**

type : String : i.e. bar, pie, histogram

fieldNum : Integer : number of fields needed

fieldTypes : Array[String]

getType( : String)

getFieldNum( : Integer)

getFieldTypes( : Array[String])

**MAIN**

dataRepo : Map?<String, dataSource>

findLocation (String : dataSource)

search(String : Set<dataSet>)

getFields(dataSet : Set<Field>)

getPossibleVisualizations(Set<Field> : Set<Visualization>)

getDataPoints(dataSet, Set<Field> : JSONArray)

**FIELD**

name : String

type : String : text / number / percent

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getName( : String)

getType( : String)

**DATASET**

tags : Set<String> : splitting the dataset’s name and also including the dataset’s Fields’ names

fields : Set<Field>

getTags( : Set<String>)

getFields( : Set<Field>)

**DATASOURCE**

name (of city/state) : String

dataSets : Set<dataSet>

findDataSets (String (search query) : Set<dataSet>)