NoSQL Report

```
-- # Comments
```

```
-- @database
```

```
-- &param = default value
```

```
-- data: { "values": %data% }
```

Struttura dati

```
-- { "result" : "arrayOfMap"/"arrayOfArray"/"mapOfArray"/"separated" ,
     "$1"  : "key_of_X_field"   ,  "$2" : "key_of_Y_field"    , ...
     "$l1" : "label_of_X_field" , "$l2" : "label_of_Y_field" , ...
     "max_rows"  :  max_values , "max_len"    : max_length_of_values ,
     "split_value" : "sep. values", "split_field" : "sep. labels"
     "perc": true/false (percentages),
     "calc" : true/false (calculate min, max, avg, sum),
     "sort" : field / -field }
```

Opzioni e attributi aggiuntivi

```
db.coll.find({">=fieldf":'&param'}).sort({fieldx: 1}).projection({fieldx : 1, fieldy: 1})
```

Query

```
/* -> application/javascript
  alert(%data%);
*/
```

Snippet di codice

NoSQL Report – Example

```
-- @db_test

-- &from=$date-6m

-- "$1":"x", "$2":"y", "title":"Example"

db.stat.find({">=date":"&from"}).sort({month: 1}).projection({month: 1, values: 1})
```

SQL Report

```
-- # Comments
```

```
-- @datasource
```

```
-- &param = default value
```

```
-- data: { "values": %data% }
```

Struttura dati

```
-- SELECT fields FROM tables WHERE filter = &param;
```

Query di ciclo

```
-- { "result" : "arrayOfMap"/"arrayOfArray"/"mapOfArray"/"separated" ,
     "$1"  : "key_of_X_field"   ,  "$2" : "key_of_Y_field"    , …
     "$l1" : "label_of_X_field" , "$l2" : "label_of_Y_field" , …
     "max_rows"  :  max_values , "max_len"    : max_length_of_values ,
     "split_value" : "sep. values", "split_field" : "sep. labels"
     "perc": true/false (percentages),
     "calc" : true/false (calculate min, max, avg, sum),
     "sort" : field / -field }
```

Opzioni e attributi aggiuntivi

```
SELECT X, Y, Z, … FROM TABLES WHERE FILTER = &param ;
SELECT X, Y, Z, … FROM TABLES WHERE FILTER = &param ;
….
```

Una o più query

```
/* -> application/javascript
  alert(%data%);
*/
```

Snippet di codice

SQL Report – Example

```
-- @db_test

-- &1=01-01-$XXXX      ($YYYY=current year, $XXXX=last year)
-- &2=31-12-$XXXX

-- "$1":"x", "$2":"y", "$3":"z", "dal":"&1", "al":"&2"

select to_char(a.date, 'MM-YYYY') month,
       count(a.yvalues) y,
       count(a.zvalues) z
from statitistics a
where a.date >= to_date('&1', 'dd-mm-yyyy')
and a.date < to_date('&2', 'dd-mm-yyyy')+1
group by to_char(a.date, 'MM-YYYY')
order by to_char(a.date, 'MM-YYYY')
```

SQL Report – Response


```
{
    "success" : true,
    "message" : "Report executed in 78 ms",
    "xkey" : "x",
    "ykeys" : [ "y", "z" ],
    "xlabel" : "MONTH",
    "ylabels" : ["Y","Z"],
    "labels" : ["MONTH","Y","Z"],
    "data" : [{"x" :"02-2013", "y" :6.0,  "z" :6.0},
              {"x" :"03-2013", "y" :8.0,  "z" :8.0},
              {"x" :"05-2013", "y" :82.0, "z" :81.0},
              {"x" :"06-2013", "y" :6.0,  "z" :6.0},
              {"x" :"09-2013", "y" :1.0,  "z" :1.0},
              {"x" :"10-2013", "y" :3.0,  "z" :3.0}],
    "dal" : "01-01-2013",
    "al" : "31-12-2013",
    "rows" : 6
}
```