


Name	Type	Compressed size	Password p...	Size	Ratio	Date modified
 SchemaP3.xml	XML Document	1 KB	No	4 KB	83%	2018-02-14 8:57 AM

```
<?xml version="1.0"?>
- <Schema name="New Schema2">
  - <Dimension name="asignatura" highCardinality="false" visible="true" type="StandardDimension">
    - <Hierarchy name="asignatura" visible="true" primaryKey="idasignatura" hasAll="true">
      <Table name="dim_asignatura"> </Table>
      <Level name="dim_asignatura" visible="true" type="String" hideMemberIf="Never" levelType="Regular" uniqueMembers="false" nameColumn="asignatura" column="idasignatura" table="dim_asignatura"> </Level>
    </Hierarchy>
  </Dimension>
  - <Dimension name="nivel" highCardinality="false" visible="true" type="StandardDimension">
    - <Hierarchy name="nivel" visible="true" primaryKey="idnivel" hasAll="true">
      <Table name="dim_nivel"> </Table>
      <Level name="dim_nivel" visible="true" type="String" hideMemberIf="Never" levelType="Regular" uniqueMembers="false" nameColumn="nivel" column="idnivel" table="dim_nivel" ordinalColumn="nivel"> </Level>
    </Hierarchy>
  </Dimension>
  - <Dimension name="rol" highCardinality="false" visible="true" type="StandardDimension">
    - <Hierarchy name="rol" visible="true" primaryKey="idrol" hasAll="true">
      <Table name="dim_rol"> </Table>
      <Level name="dim_rol" visible="true" type="String" hideMemberIf="Never" levelType="Regular" uniqueMembers="false" nameColumn="rol" column="idrol" table="dim_rol" ordinalColumn="rol"> </Level>
    </Hierarchy>
  </Dimension>
  - <Dimension name="zona" highCardinality="false" visible="true" type="StandardDimension">
    - <Hierarchy name="zona" visible="true" primaryKey="idzona" hasAll="true">
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      <Level name="dim_zona" visible="true" type="String" hideMemberIf="Never" levelType="Regular" uniqueMembers="false" nameColumn="zona" column="idzona" table="dim_zona" ordinalColumn="zona"> </Level>
    </Hierarchy>
  </Dimension>
  - <Cube name="uah" visible="true" enabled="true" cache="false">
    <Table name="fact_salida"> </Table>
    <DimensionUsage name="asignatura" highCardinality="false" visible="true" foreignKey="idasignatura" source="asignatura"> </DimensionUsage>
    <DimensionUsage name="nivel" highCardinality="false" visible="true" foreignKey="idnivel" source="nivel"> </DimensionUsage>
    <DimensionUsage name="rol" highCardinality="false" visible="true" foreignKey="idrol" source="rol"> </DimensionUsage>
    <DimensionUsage name="zona" highCardinality="false" visible="true" foreignKey="idzona" source="zona"> </DimensionUsage>
    <Measure name="nota" visible="true" column="nota" aggregator="sum"> </Measure>
    <Measure name="resaltar" visible="true" column="resaltar" aggregator="sum"> </Measure>
    <Measure name="subrayar" visible="true" column="subrayar" aggregator="sum"> </Measure>
    <Measure name="tachar" visible="true" column="tachar" aggregator="sum"> </Measure>
    <Measure name="manealizada" visible="true" column="manealizada" aggregator="sum"> </Measure>
    <Measure name="rectangulo" visible="true" column="rectangulo" aggregator="sum"> </Measure>
    <Measure name="elipse" visible="true" column="elipse" aggregator="sum"> </Measure>
  </Cube>
```



BDAW_3. CUBO OLAP

EXPLICACION PRUEBA:

Diseñar cubo OLAP en base al modelo dimensional realizado de forma individual y personalizado en las dos PECs anteriores.

Para ello se usará Schema Workbench.

PRECONDICIONES:

- Tener el fichero **fichero_de_salida.csv**
- Tener instalado y configurado MySQL Server y MySQL WorkBench.
- Haber realizado las pruebas anteriores.

FICHEROS A ENTREGAR:

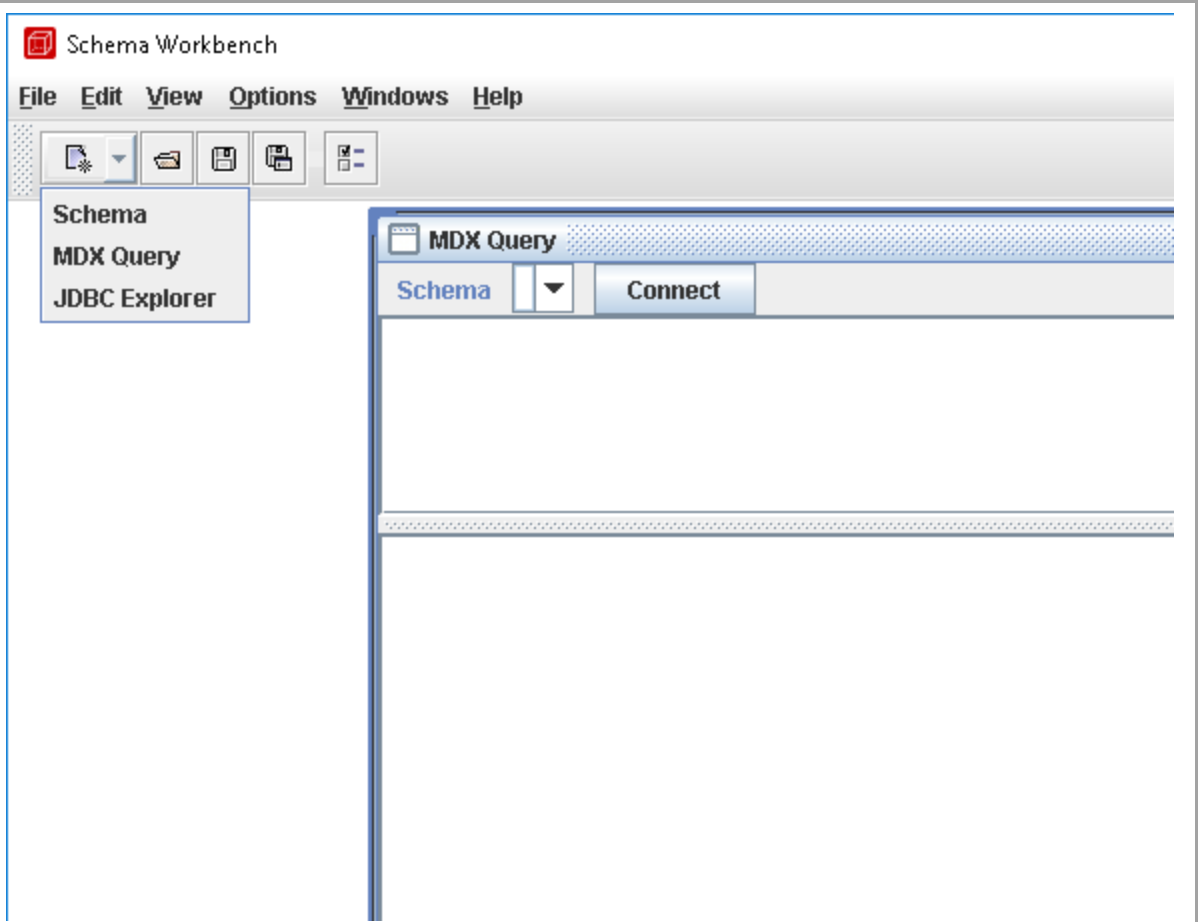
- Fichero del cubo olap, en su extensión .xml.

FECHA ENTREGA:

La fecha de entrega es el día 21 de Enero.

Workbench.bat

CREATE A NEW
SCHEMA



CREATE THE
CUBE:

Load ONLY non-
categorical values
into the cube:

nota, resaltar,
subrayar, tachar,
manualzada,
rectangulo, elipse

Schema - uah (Schema1.xml)

Schema

- uah
 - Table: fact_salida
 - asignatura
 - nivel
 - rol
 - zona
 - nota
 - resaltar
 - subrayar
 - tachar
 - manualzada
 - rectangulo
 - elipse
- asignatura

Attribute	
name	asignatura
foreignKey	idasignatura
source	asignatura
level	
usagePrefix	
caption	
visible	<input checked="" type="checkbox"/>

Schema

- uah
 - Table: fact_salida
 - asignatura
 - nivel
 - rol
 - zona
 - nota
 - resaltar
 - subrayar
 - tachar
 - manualzada
 - rectangulo
 - elipse
- asignatura
 - asignatura
 - dim_asignatura
 - Table: dim_asignatura

Attribute	
name	nota
description	
aggregator	sum
column	nota
formatString	
datatype	
formatter	
caption	
visible	<input checked="" type="checkbox"/>

Load the categorical fields (descriptions) in the Dimensions, not the cube:

They are not an actual part of the cube.

They are only there as support to speed up any field that contains measurements.

The MDX returns only measurements /integers, so the Fact Table will still perform!

Schema Workbench

File Edit View Options Windows Help

Schema - uah (Schema1.xml)

Schema

- uah
 - Table: fact_salida
 - asignatura
 - nivel
 - rol
 - zona
 - nota
 - resaltar
 - subrayar
 - tachar
 - manoalzada
 - rectangulo
 - elipse
 - asignatura
 - asignatura
 - dim_asignatura
 - Table: dim_asignatura

Attribute	
name	asignatura
description	
foreignKey	
type	StandardDimension
usagePrefix	
caption	
visible	<input checked="" type="checkbox"/>



Attribute	
name	asignatura
description	
hasAll	<input checked="" type="checkbox"/>
allMemberName	
allMemberCaption	
allLevelName	
defaultMember	
memberReaderClass	
primaryKeyTable	
primaryKey	idasignatura
caption	
visible	<input checked="" type="checkbox"/>



Schema - uah (Schema1.xml)*



Attribute	
name	dim_asignatura
description	
table	dim_asignatura
column	idasignatura
nameColumn	asignatura
parentColumn	
nullParentValue	
ordinalColumn	asignatura
type	String
internalType	
uniqueMembers	<input type="checkbox"/>
levelType	Regular
hideMemberIf	Never
approxRowCount	
caption	
captionColumn	
formatter	
visible	<input checked="" type="checkbox"/>

Schema - uah (Schema1.xml)*



Attribute	
schema	
name	dim_asignatura
alias	

Success!

Schema Workbench

File Edit View Options Windows Help

Schema 2 Schema1.xml Connect

MDX Query - connected to Schema1.xml

SELECT FROM uah

Axis #0:
{
154.341

Information

Mondrian connection Successful.

Aceptar

