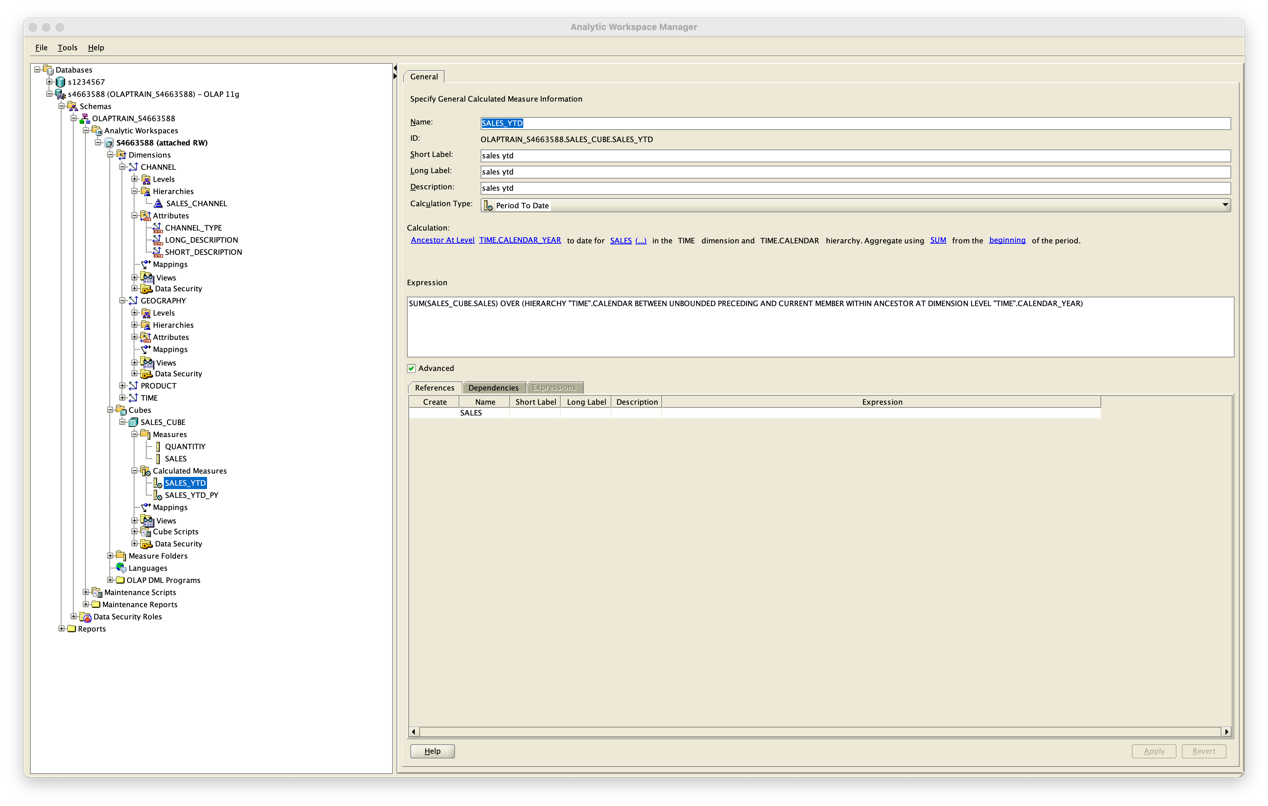
INFS 3200 : Practice Two

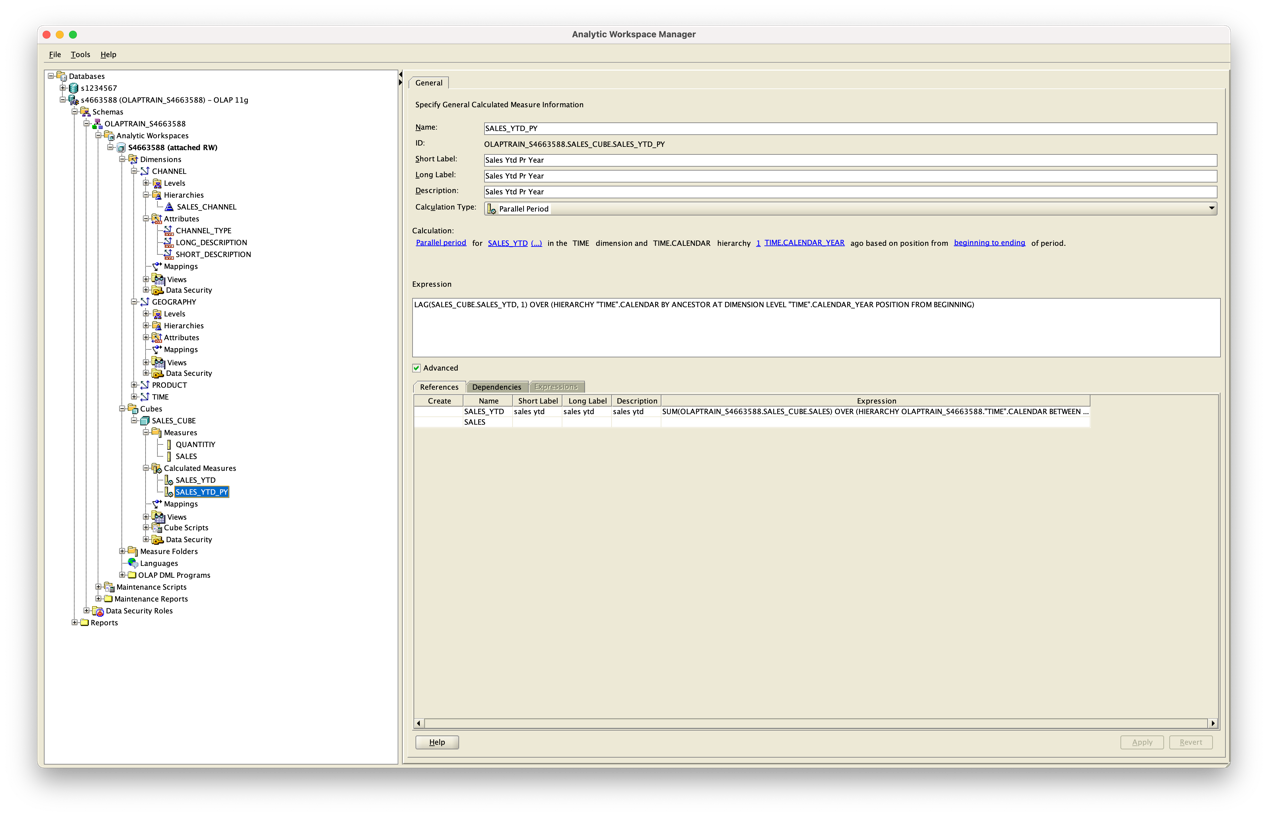
Name : Peng Yu

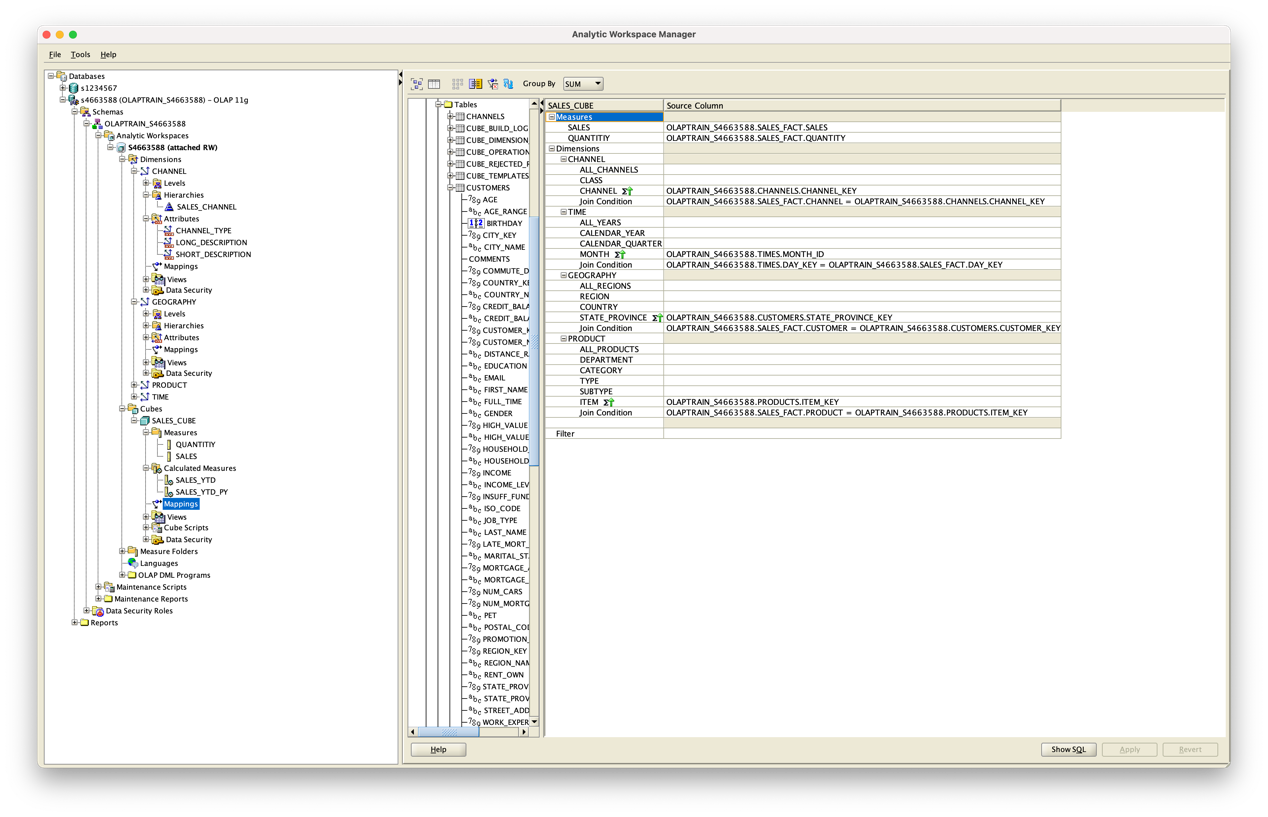
Student ID : 46635884

TASK 1

Map the cube

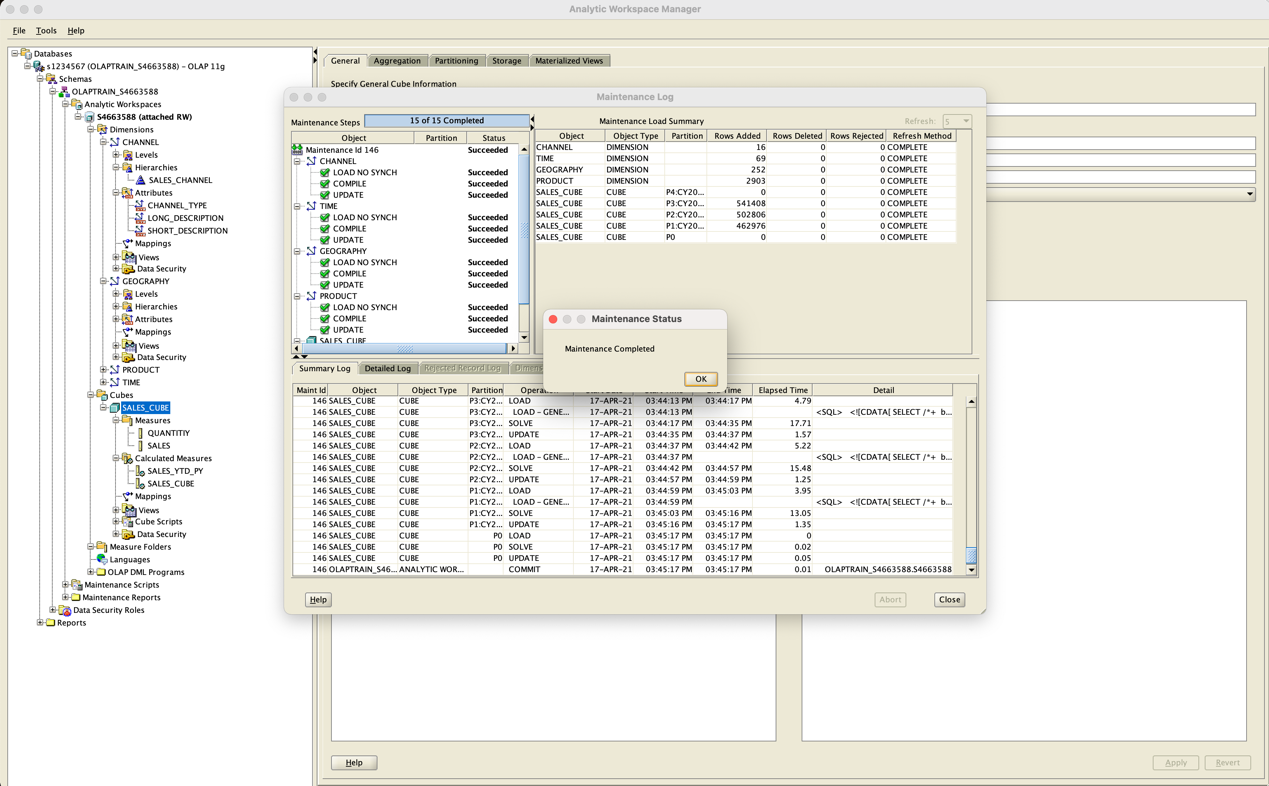






TAKS 2

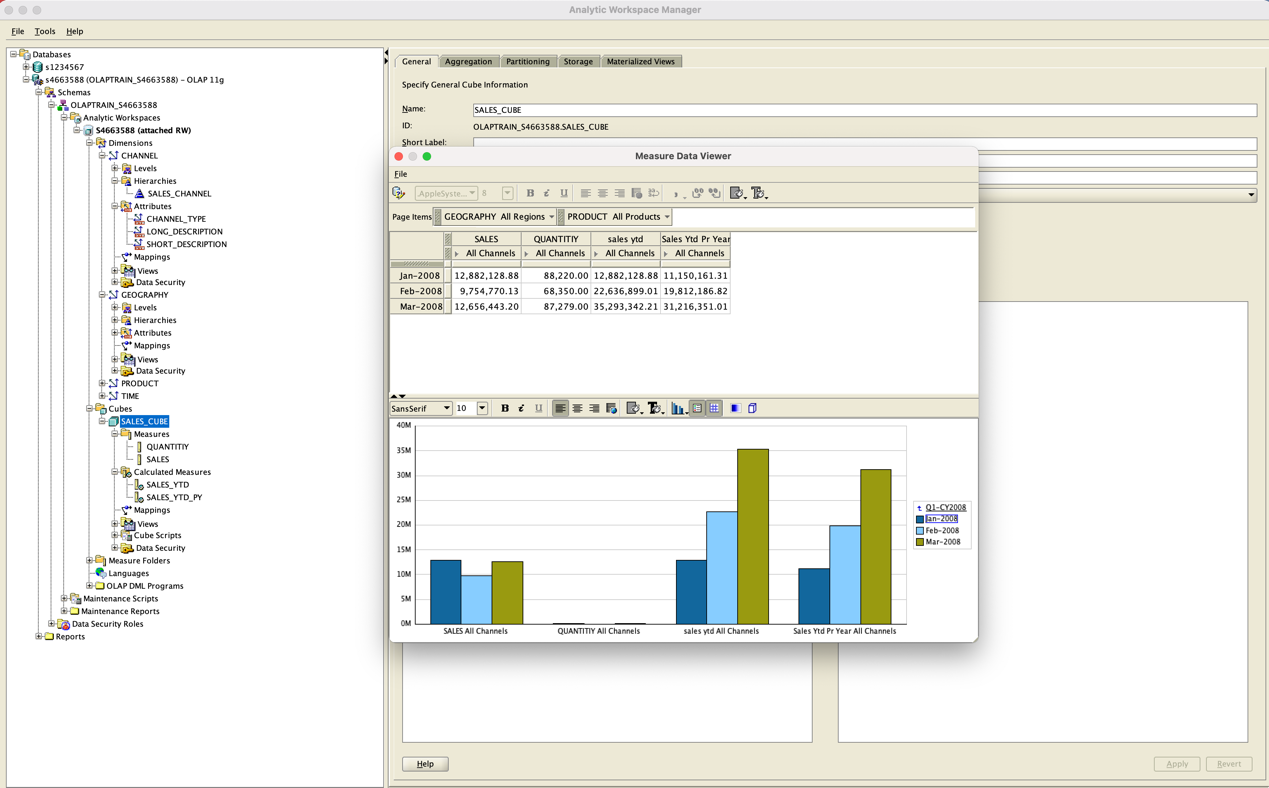
Maintain the cube



TASK 3

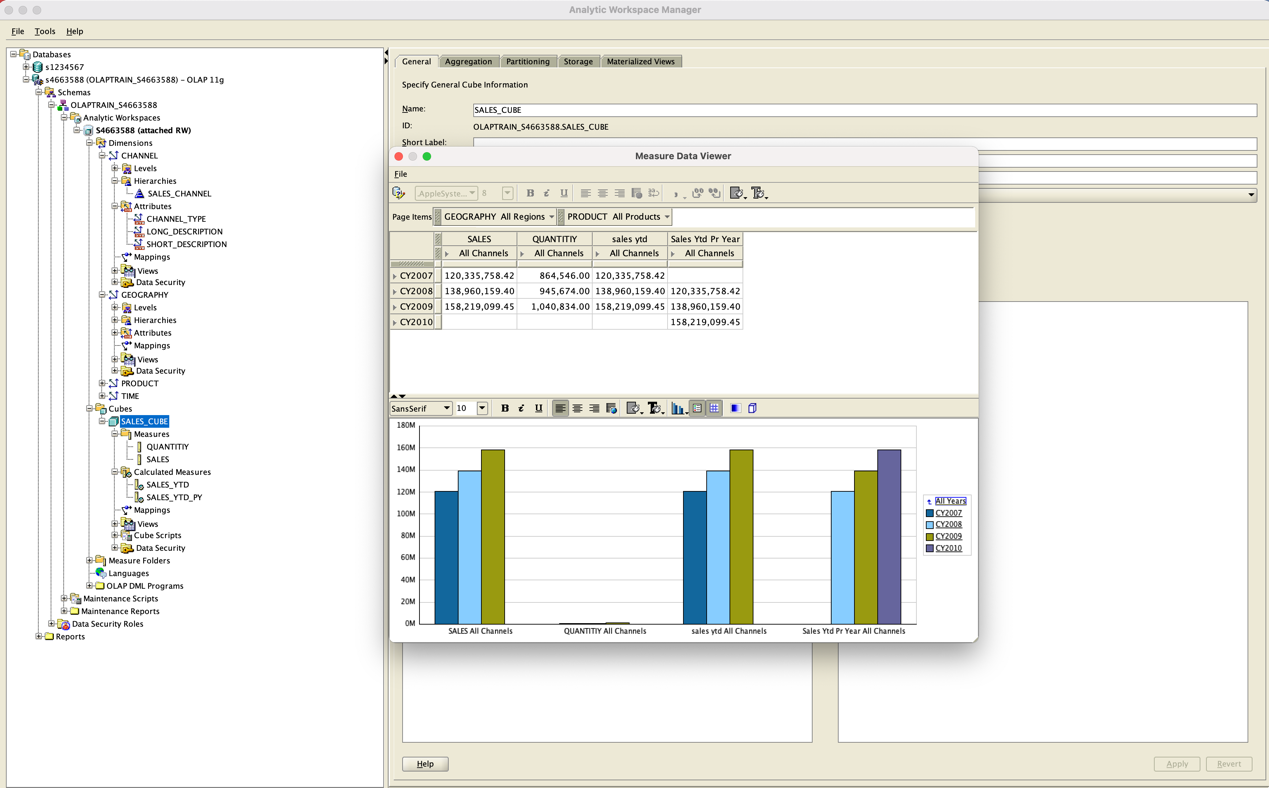
(A)

Roll-up

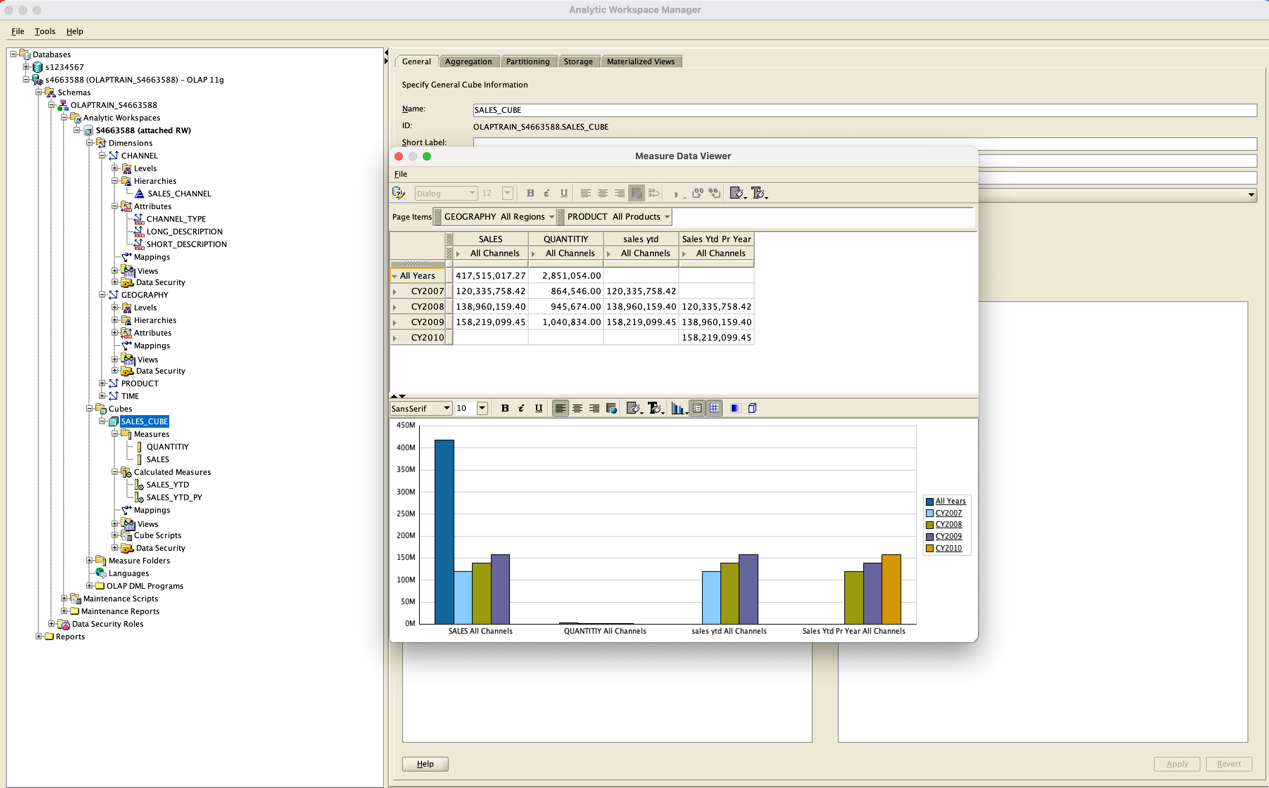


The figure above shows the data from January to March in the Q1-CY2008. Now we do the roll-up, the level should be Q1-CY2008 --> CY2008 --> All Years.

Results:

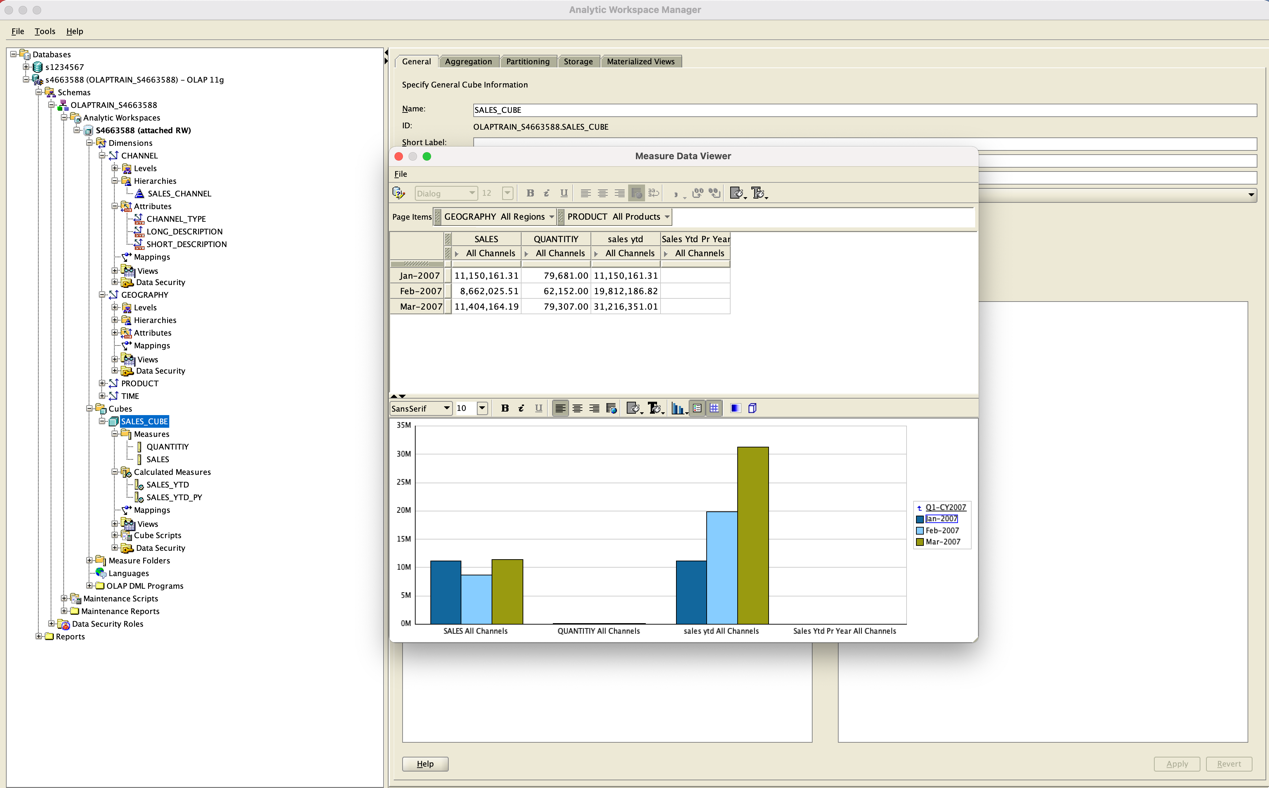


Drill-down

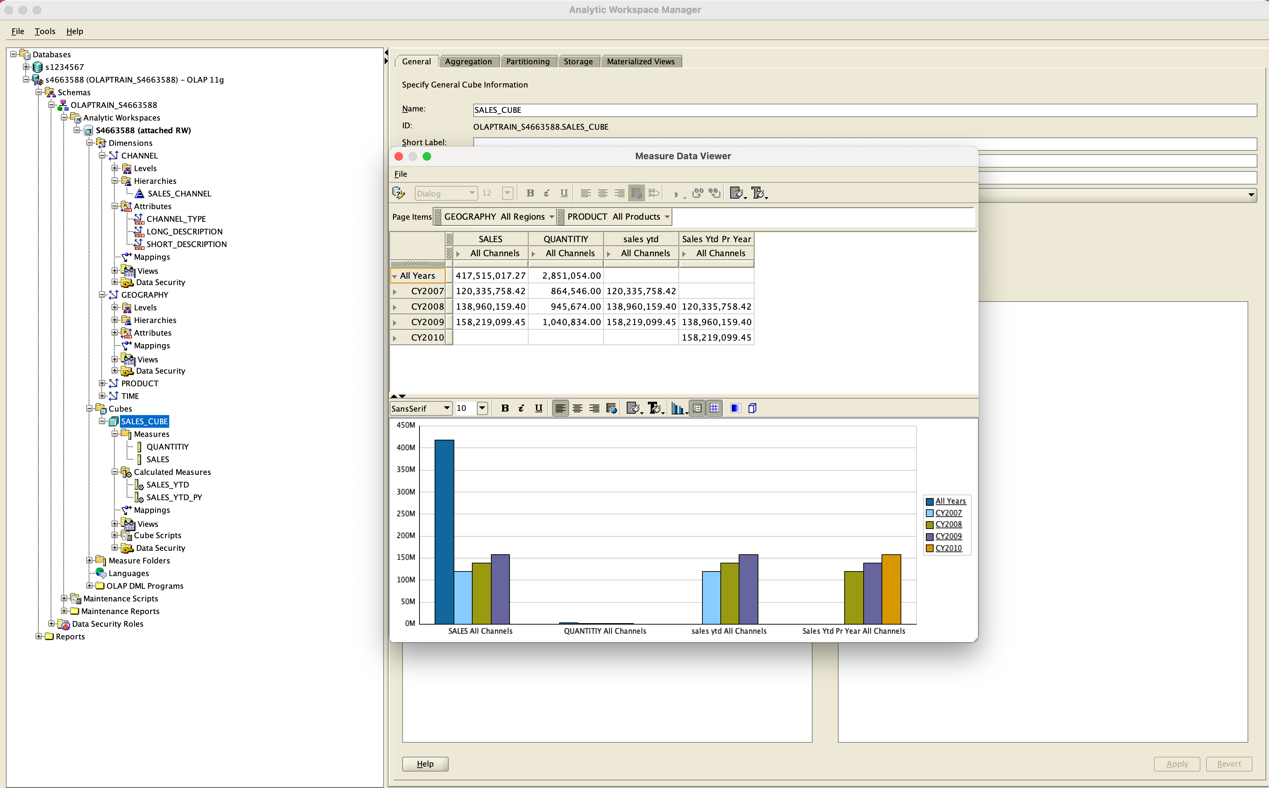


The figure above shows the data from CY2007 to CY2010 in the All Years. Now we do the drill-down, the level should be All Years --> CY2007 --> Q1-CY2007.

Result:

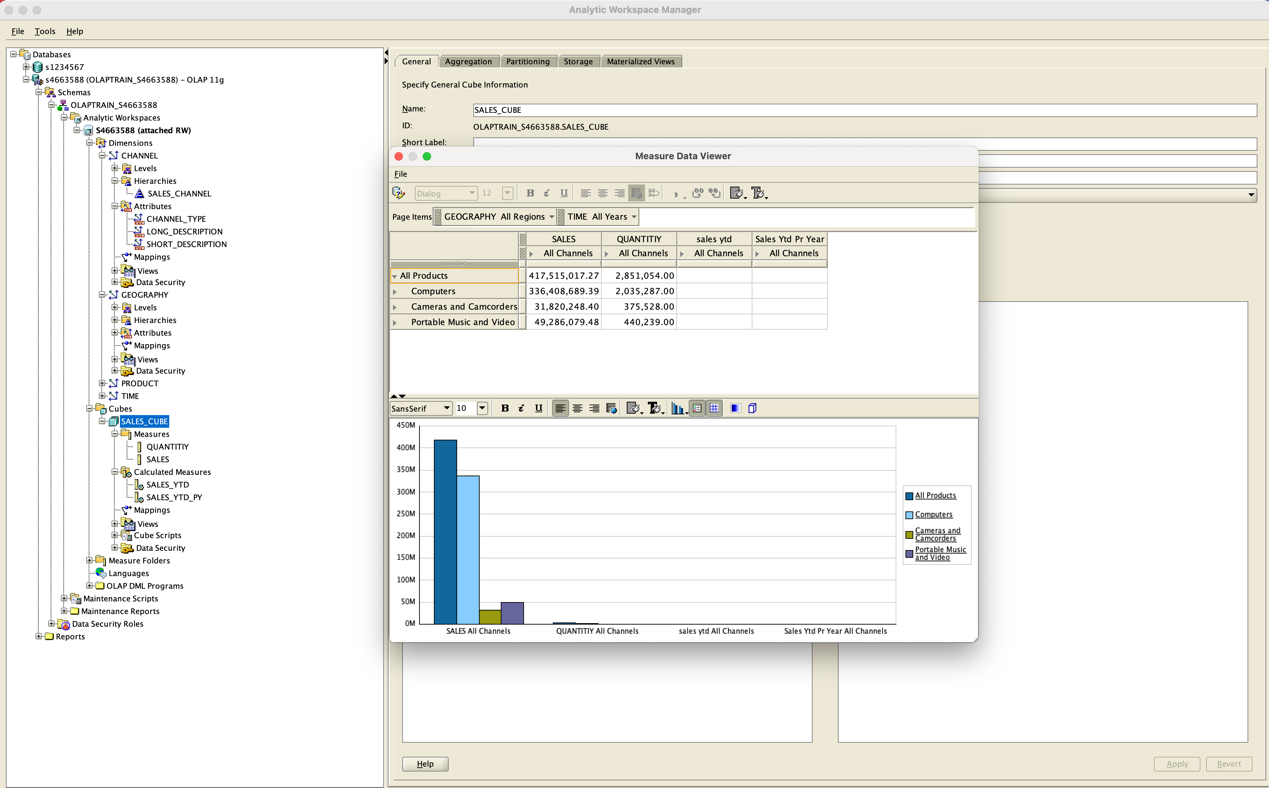


Pivot



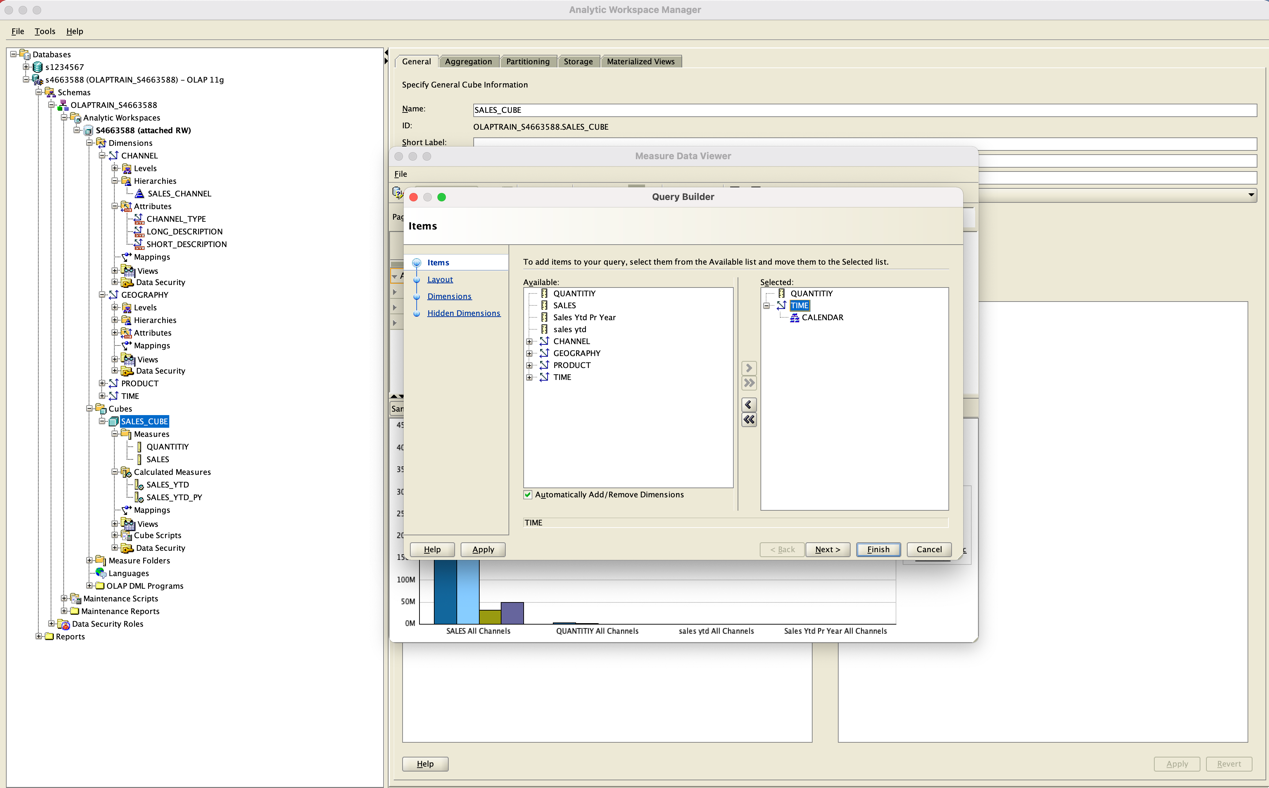
The dimensions in the figure above are All Years and All Channels data. Then we rotate the cube and get data on All Products and All Channels.

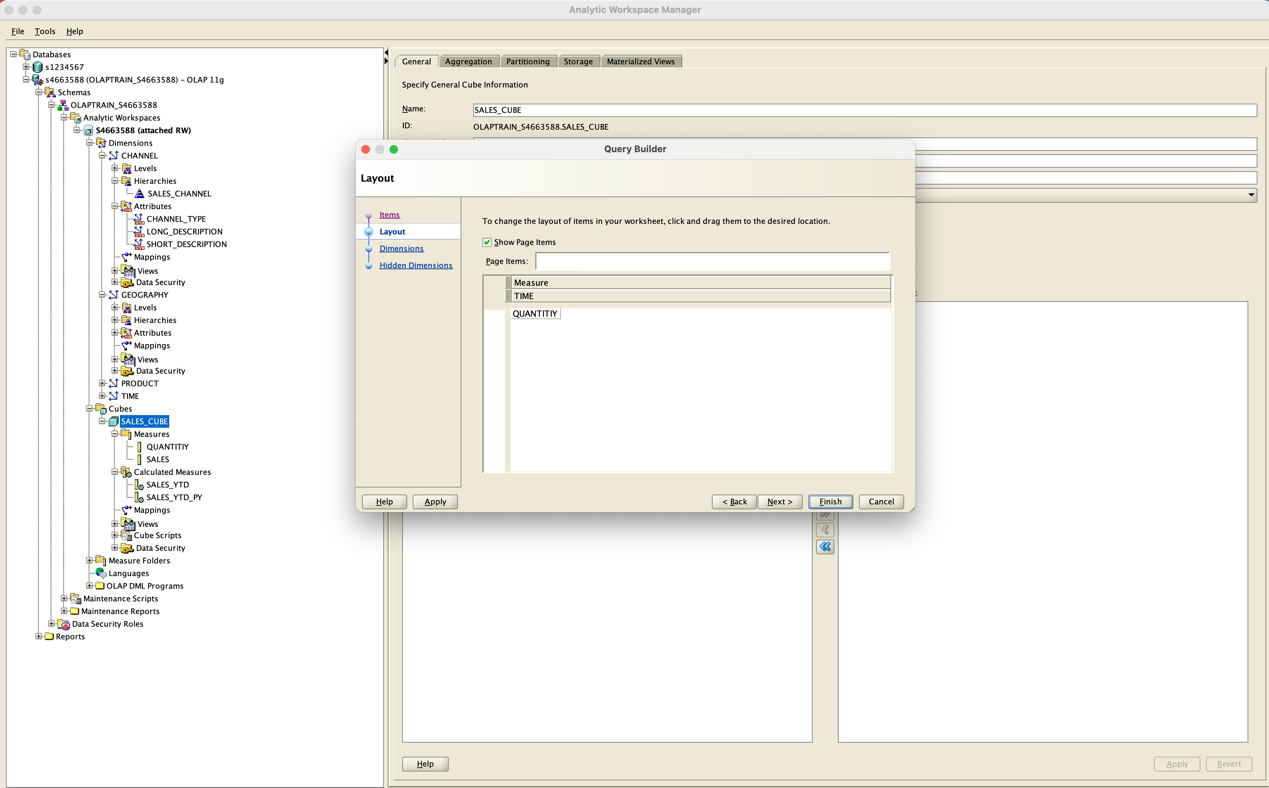
Result:

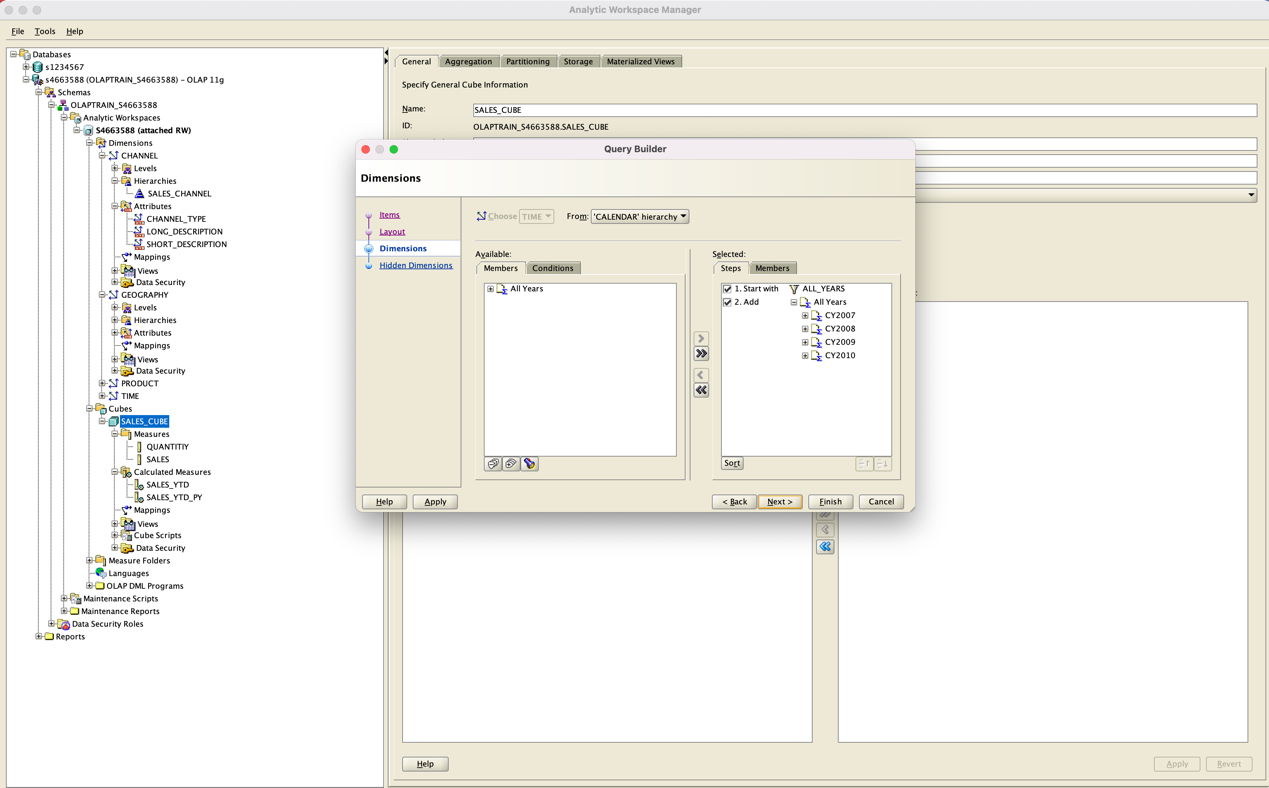


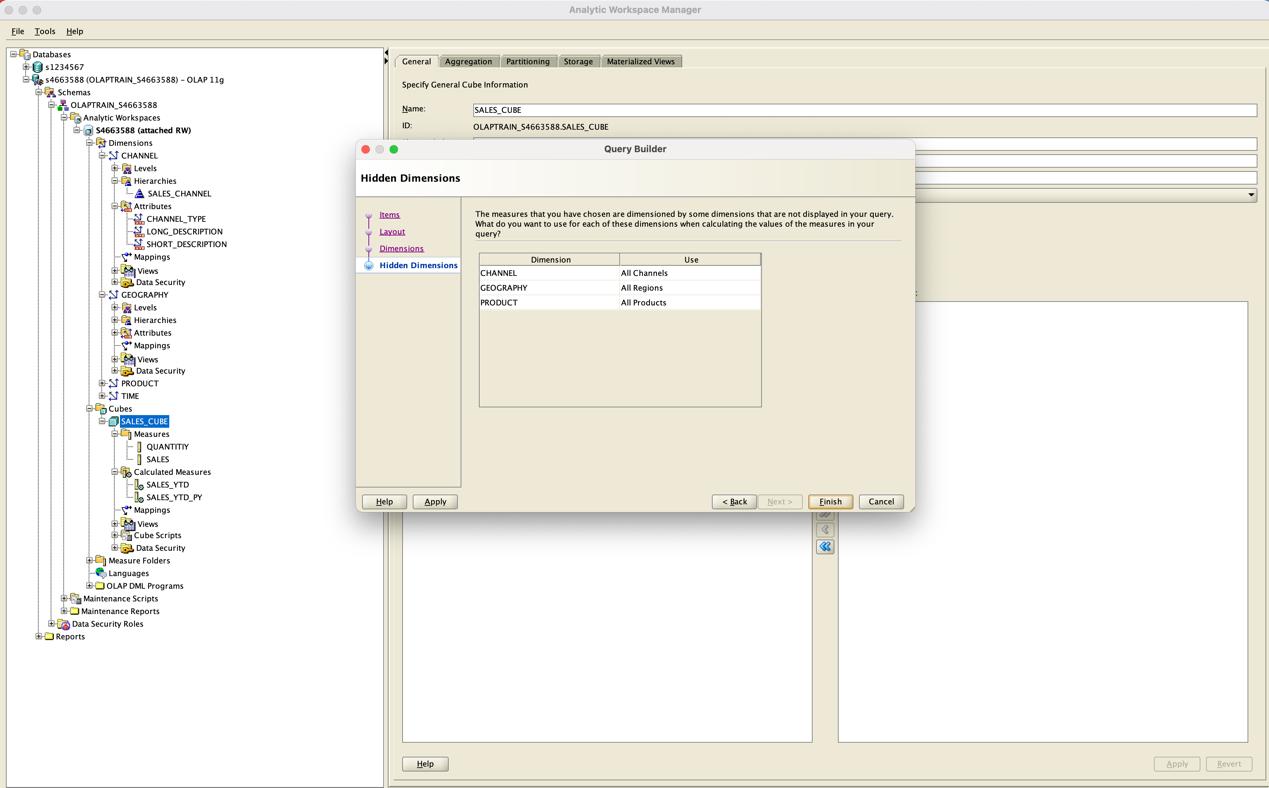
(b)

(1)

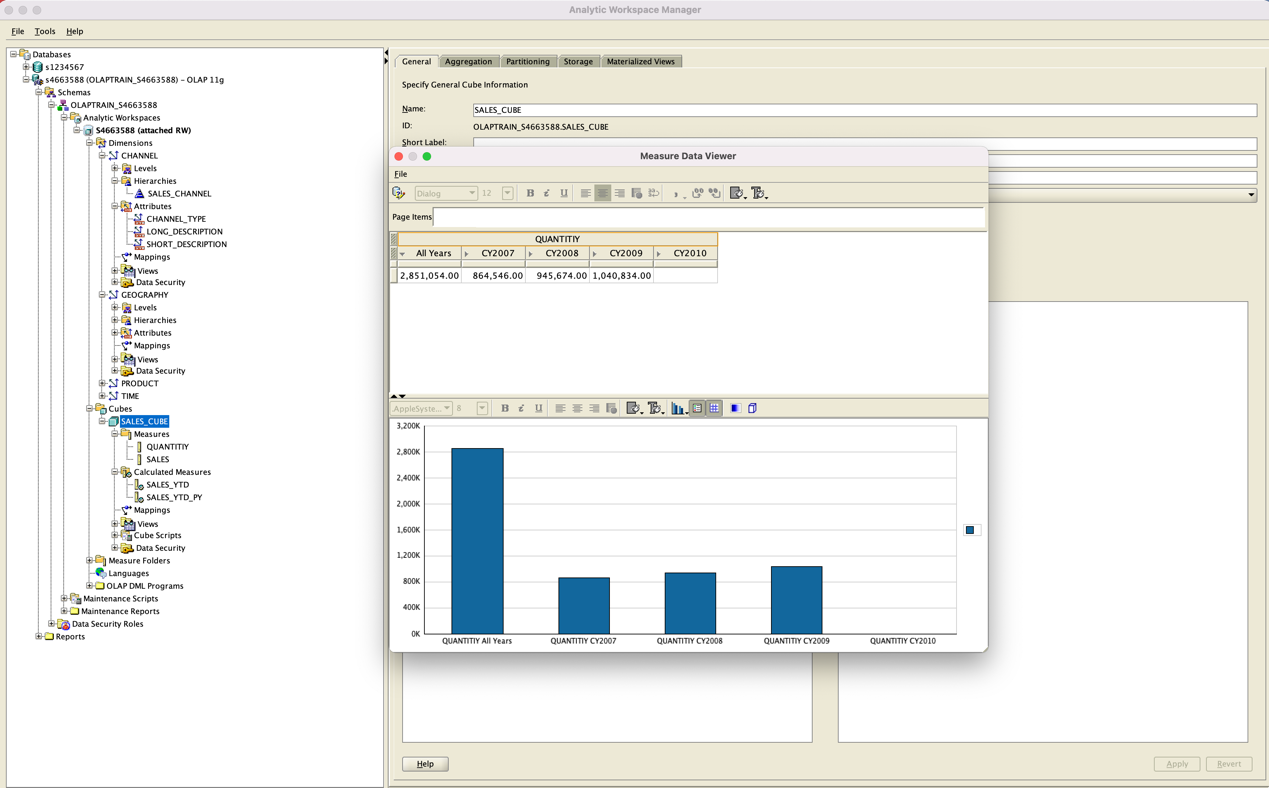




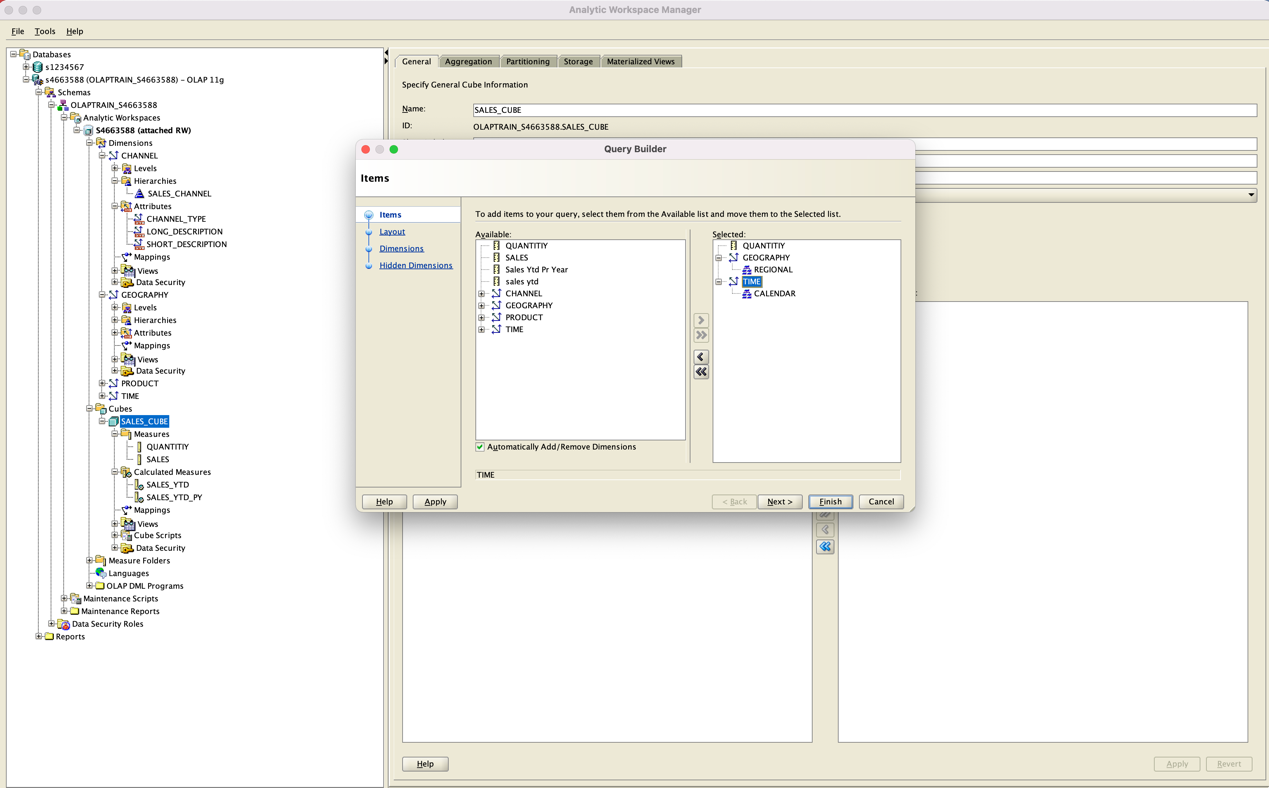


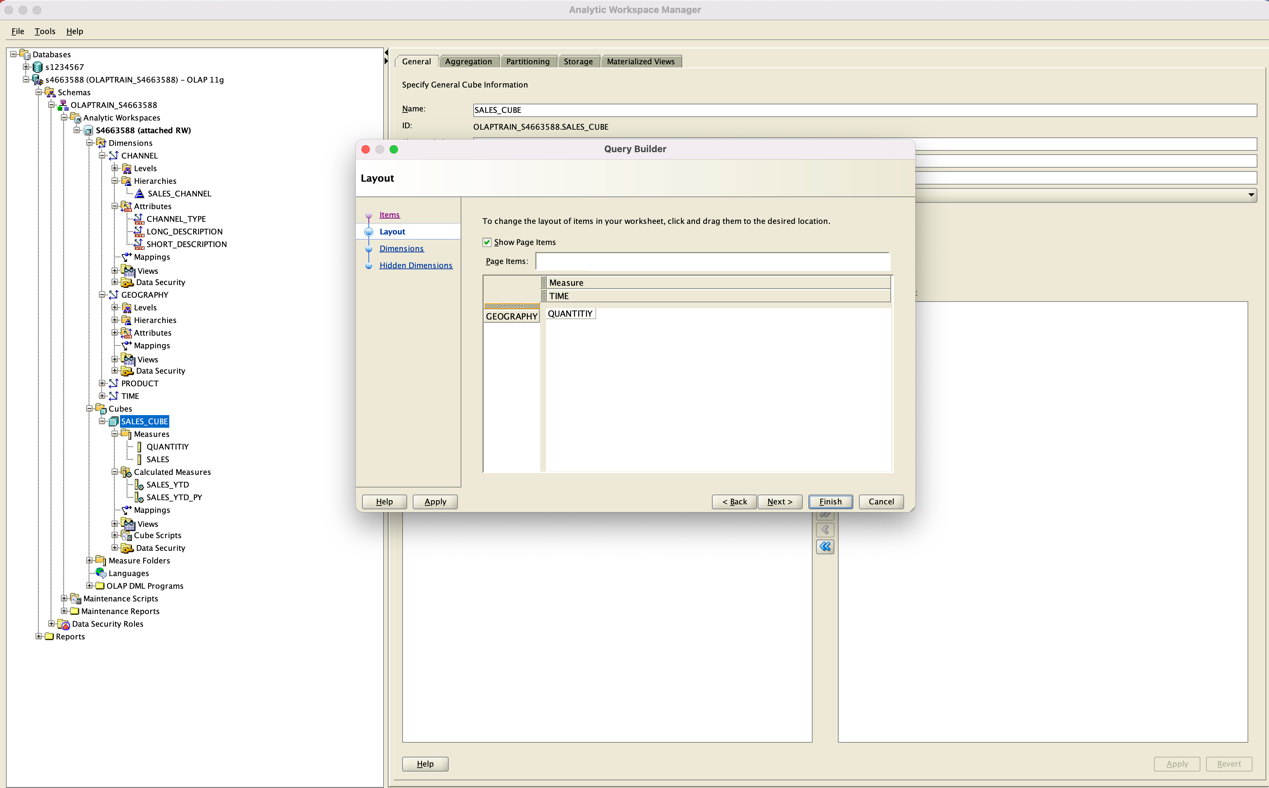


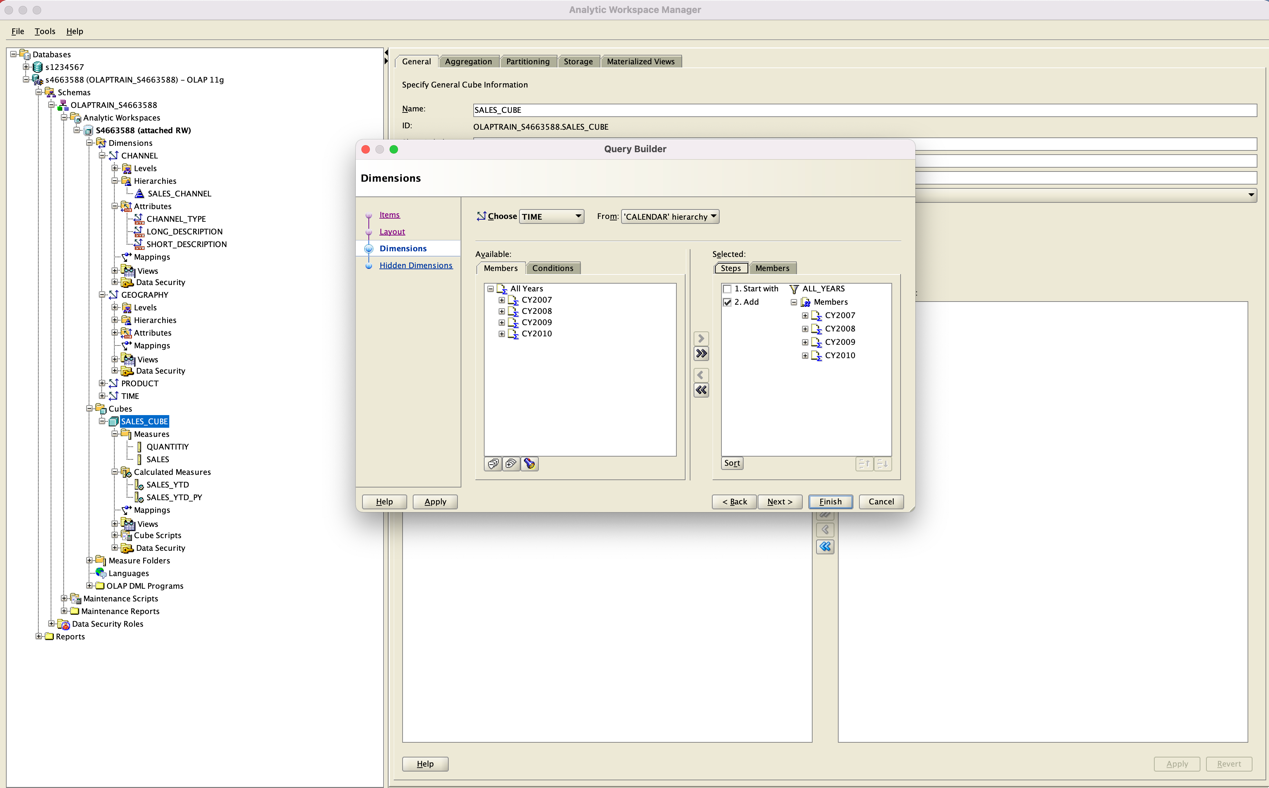
Result for first view



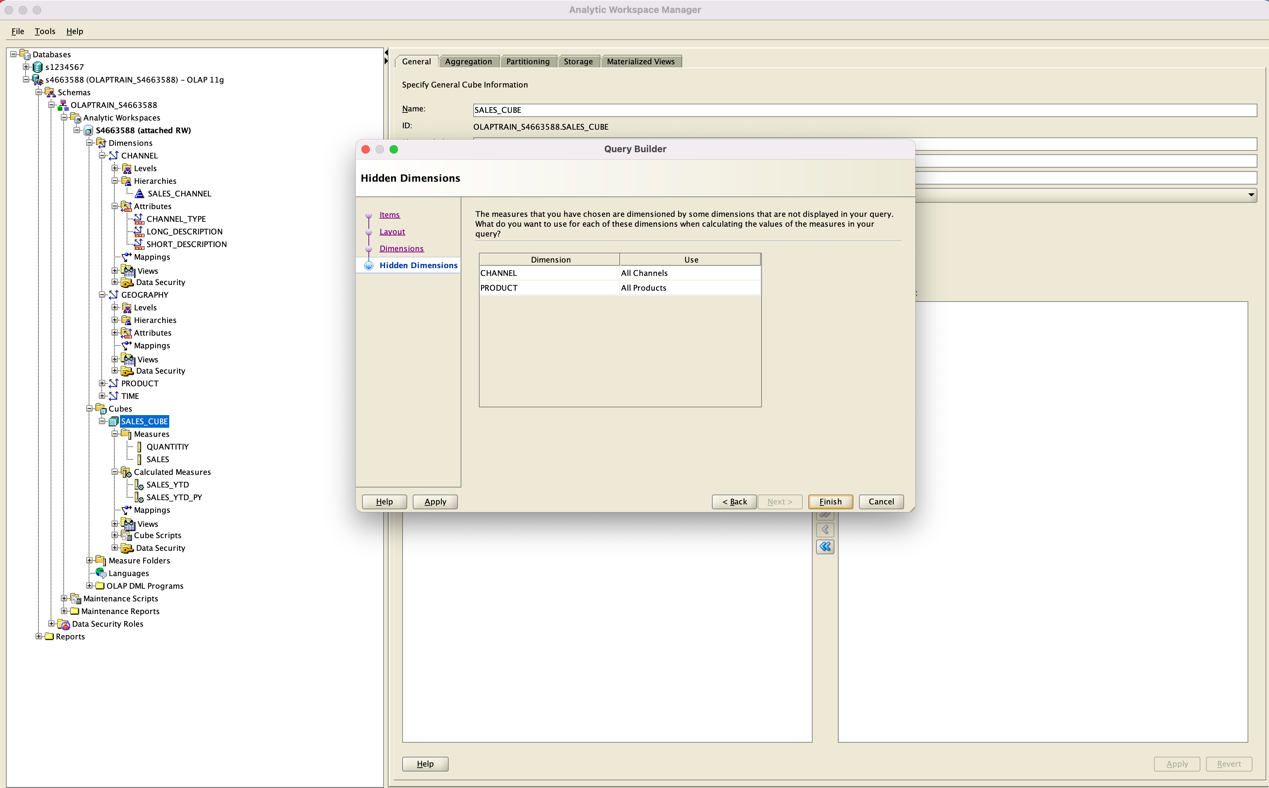
(2)



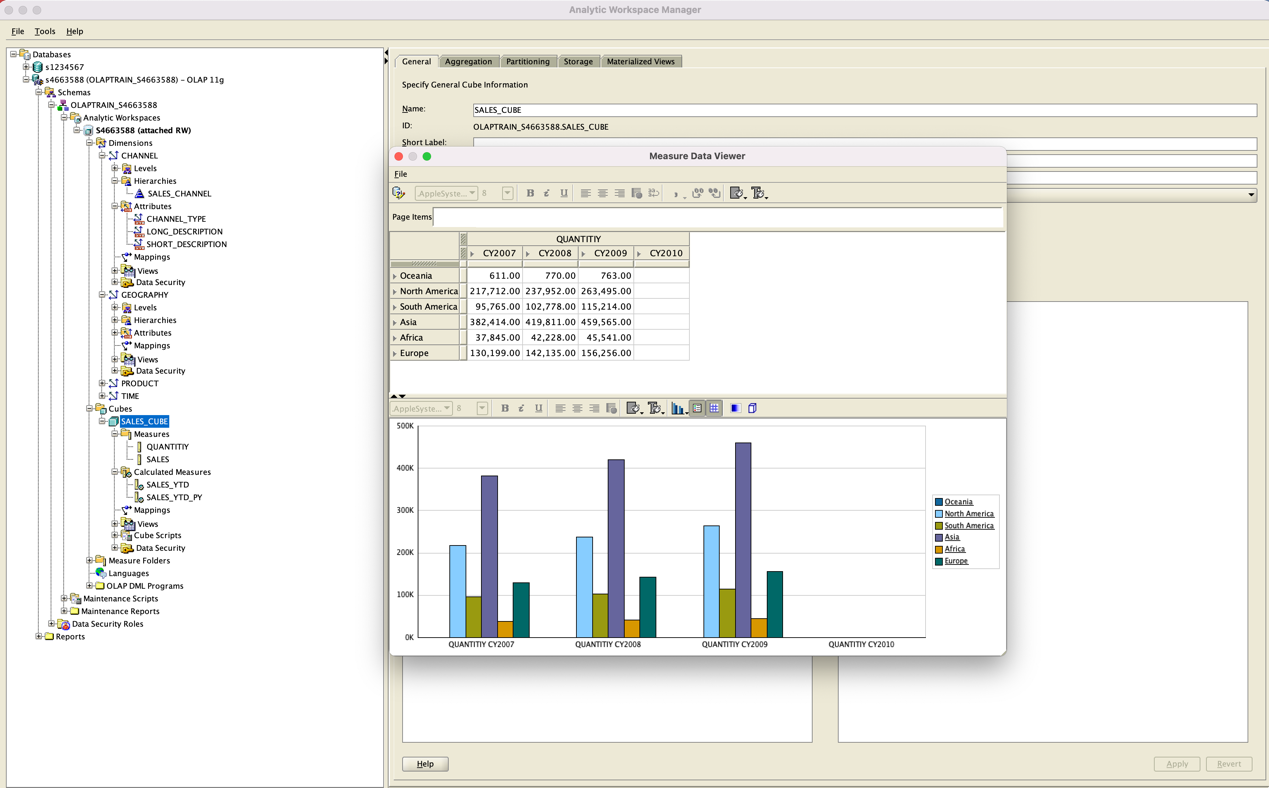








Result for second view



TASK 4

SELECT c.class\_short\_description AS class,

p.department\_long\_descript AS dept,

t.calendar\_quarter\_long\_de AS qtr,

ROUND(s.sales) AS sales

FROM PRODUCT\_STANDARD\_VIEW p,

SALES\_CUBE\_VIEW s,

CHANNEL\_SALES\_CHANNEL\_VIEW c,

TIME\_CALENDAR\_VIEW t,

GEOGRAPHY\_REGIONAL\_VIEW g

WHERE (c.DIM\_KEY = s.CHANNEL AND

g.DIM\_KEY = s.GEOGRAPHY AND

p.dim\_key = s.product AND

t.DIM\_KEY = s.TIME AND

c.LEVEL\_NAME = 'CLASS' AND

p.LEVEL\_NAME = 'DEPARTMENT' AND

s.geography = 'ALL\_REGIONS' AND

t.LEVEL\_NAME = 'CALENDAR\_QUARTER' AND

t.CALENDAR\_YEAR = 'CY2009')

ORDER BY class, dept, qtr;

