# Oracle® Retail Analytics

# Solution Report

## Description

RA中,如果只拿品牌与销售净额,数据不对,但是如果在添加一列[商品编码],则数据就正确了.



## RA Tracking SQL

select distinct 0 as c1,  
 D1.c3 as c2,  
 D1.c4 as c3,  
 D1.c2 - D1.c1 as c4,  
 D1.c5 as c5  
 from (select sum(nvl(T956321.SLS\_TAX\_AMT\_LCL, 0) -  
 nvl(T956321.RET\_TAX\_AMT\_LCL, 0)) as c1,  
 sum(nvl(T956321.SLS\_AMT\_LCL, 0) - nvl(T956321.RET\_AMT\_LCL, 0)) as c2,  
 TRUNC(T960506.MCAL\_DAY\_DT) as c3,  
 T14449.BBG\_ITEM\_BRAND as c4,  
 T960506.ROW\_WID as c5  
 from W\_MCAL\_DAY\_DV T960506 /\* Dim\_W\_MCAL\_DAY\_D\_Retail\_Gregorian\_Calendar \*/,  
 (SELECT T.\*  
 FROM W\_PRODUCT\_D T, W\_PRODUCT\_ATTR\_D A  
 WHERE T.SCD1\_WID = A.SCD1\_WID  
 AND A.PRODUCT\_ATTR12\_NAME = A.PRODUCT\_ATTR11\_NAME) T14449,  
 W\_RTL\_ITEM\_GRP1\_D T961779 /\* Dim\_W\_RTL\_ITEM\_GRP1\_D\_UDA \*/,  
 W\_RTL\_SLS\_IT\_DY\_A T956321 /\* Fact\_W\_RTL\_SLS\_IT\_DY\_A \*/  
 where (T14449.ROW\_WID = T956321.PROD\_WID and  
 T14449.ROW\_WID = T961779.PROD\_WID and  
 T956321.DT\_WID = T960506.ROW\_WID and  
 T960506.MCAL\_CAL\_WID = 1.0 and  
 T961779.PROD\_GRP\_TYPE = 'ITEMUDA' and  
 TRUNC(T960506.MCAL\_DAY\_DT) =  
 TO\_DATE('2014-05-03', 'YYYY-MM-DD') and  
 '2010' < T960506.CAL\_YEAR and  
 (T14449.BBG\_ITEM\_BRAND in ('农夫', '银鹭')))  
 group by T14449.BBG\_ITEM\_BRAND,  
 T960506.ROW\_WID,  
 TRUNC(T960506.MCAL\_DAY\_DT)) D1  
 order by c3, c2;

## Reason Analysis

1. 通过截取RA报表的SQL分析发现,语句关联了W\_RTL\_ITEM\_GRP1\_D,而此表数据不正常,有11亿行之多,所以是ODI抽取数据异常
2. 在把ODI bug修护后,RA报表品牌销售仍然翻倍,经过分析:应为RPD模型问题.

## Solutions

1. 修护RA补丁: [Bug 14342982](https://support.oracle.com/epmos/faces/BugDisplay?id=14342982) , [Bug 14684808](https://support.oracle.com/epmos/faces/BugDisplay?id=14684808)
2. RPD的业务模型中:  
   Dim\_W\_RTL\_ITEM\_GRP1\_D\_UDA,Dim\_W\_RTL\_ITEM\_GRP1\_D\_Itemlist,Dim\_W\_RTL\_ITEM\_GRP1\_D\_Diff三张的列映射取消三列(BBG Item UOM,BBG Item Place of Origin,BBG Item Brand).