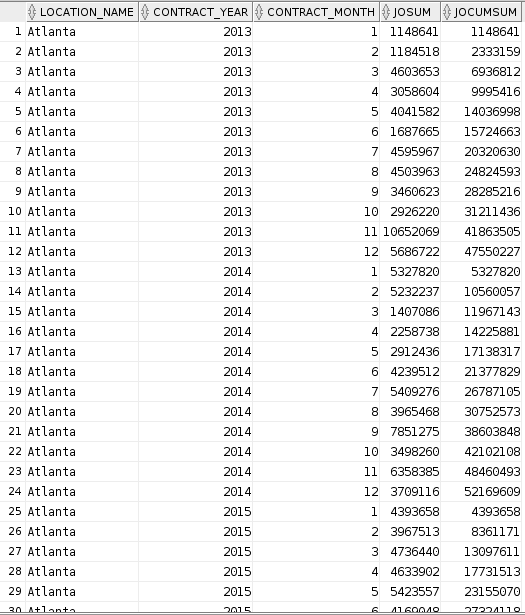
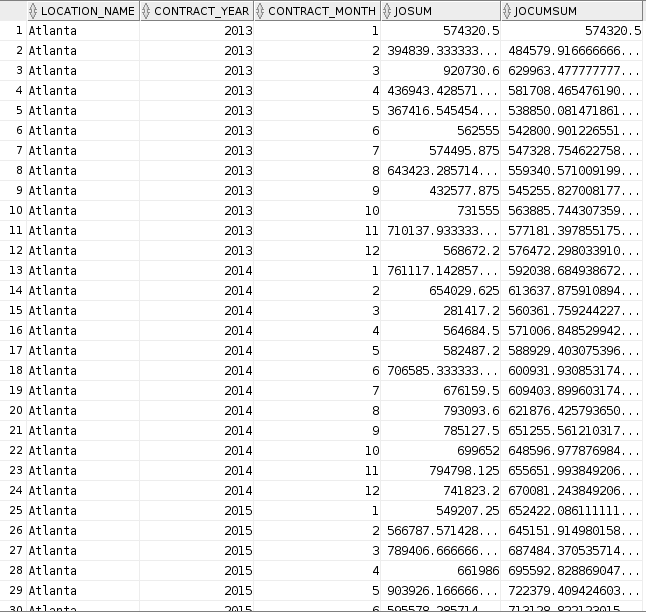
1. AQ1

SELECT l.location\_name,   
       t.time\_year                            AS contract\_year,   
       t.time\_month                           AS contract\_month,   
       **SUM**(j.unit\_price \* j.quantity\_ordered) AS JOSum,   
       **SUM**(**SUM**(j.unit\_price \* j.quantity\_ordered))   
         over (   
           PARTITION BY l.location\_name, t.time\_year   
           ORDER BY t.time\_month)             AS JOCumSum   
FROM   w\_job\_f j,   
       w\_location\_d l,   
       w\_time\_d t   
WHERE  j.location\_id = l.location\_id   
       AND j.contract\_date = t.time\_id   
GROUP  BY l.location\_name,   
          t.time\_year,   
          t.time\_month



2. AQ2

SELECT l.location\_name,   
       t.time\_year                            AS contract\_year,   
       t.time\_month                           AS contract\_month,   
       **Avg**(j.unit\_price \* j.quantity\_ordered) AS JOSum,   
       **Avg**(**Avg**(j.unit\_price \* j.quantity\_ordered))   
         over (   
           PARTITION BY l.location\_name   
           ORDER BY t.time\_year, t.time\_month ROWS BETWEEN 11 preceding AND   
         CURRENT ROW   
         )                                    AS JOCumSum   
FROM   w\_job\_f j,   
       w\_location\_d l,   
       w\_time\_d t   
WHERE  j.location\_id = l.location\_id   
       AND j.contract\_date = t.time\_id   
GROUP  BY l.location\_name,   
          t.time\_year,   
          t.time\_month



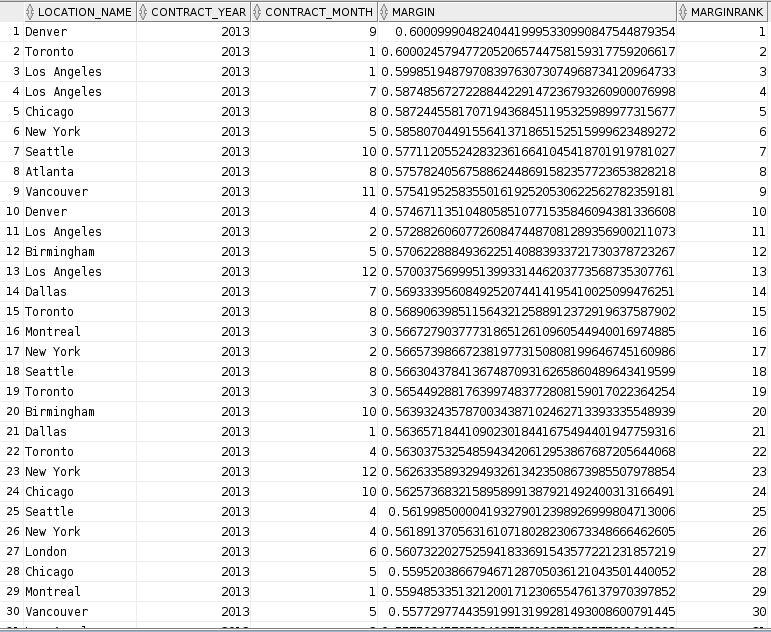
3. AQ3

SELECT l.location\_name,   
       t.time\_year                               AS contract\_year,   
       t.time\_month                              AS contract\_month,   
       **SUM**(i.iasum - x.costs)                    AS Profit,   
       **Rank**()   
         over (   
           PARTITION BY t.time\_year   
           ORDER BY **SUM**(i.iasum - x.costs) DESC) AS ProfitRank   
FROM   w\_job\_f j,   
       w\_location\_d l,   
       w\_time\_d t,   
       invoice\_summary i,   
       (SELECT **SUM**(sj.cost\_labor + sj.cost\_material   
                   + sj.cost\_overhead + mc.machine\_costs) AS costs,   
               sj.job\_id   
        FROM   w\_sub\_job\_f sj,   
               machine\_costs mc   
        WHERE  sj.sub\_job\_id = mc.sub\_job\_id   
        GROUP  BY sj.job\_id) x   
WHERE  j.location\_id = l.location\_id   
       AND j.contract\_date = t.time\_id   
       AND j.job\_id = i.job\_id   
       AND j.job\_id = x.job\_id   
GROUP  BY l.location\_name,   
          t.time\_year,   
          t.time\_month

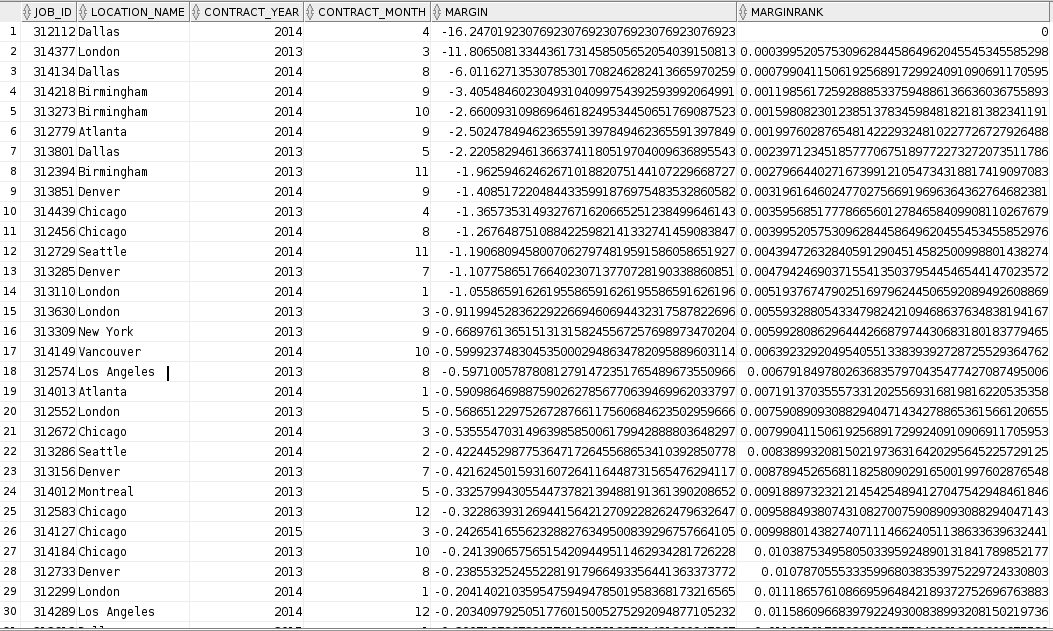


4. AQ4

SELECT l.location\_name,   
       t.time\_year                                       AS contract\_year,   
       t.time\_month                                      AS contract\_month,   
       **SUM**(i.iasum - x.costs) / **SUM**(i.iasum)             AS Margin,   
       **Rank**()   
         OVER (   
           PARTITION BY t.time\_year   
           ORDER BY **SUM**(i.iasum - x.costs) / **SUM**(i.iasum) DESC) AS MarginRank   
FROM   w\_job\_f j,   
       w\_location\_d l,   
       w\_time\_d t,   
       invoice\_summary i,   
       (SELECT **SUM**(sj.cost\_labor + sj.cost\_material   
                   + sj.cost\_overhead + mc.machine\_costs) AS costs,   
               sj.job\_id   
        FROM   w\_sub\_job\_f sj,   
               machine\_costs mc   
        WHERE  sj.sub\_job\_id = mc.sub\_job\_id   
        GROUP  BY sj.job\_id) x   
WHERE  j.location\_id = l.location\_id   
       AND j.contract\_date = t.time\_id   
       AND j.job\_id = i.job\_id   
       AND j.job\_id = x.job\_id   
GROUP  BY l.location\_name,   
          t.time\_year,   
          t.time\_month

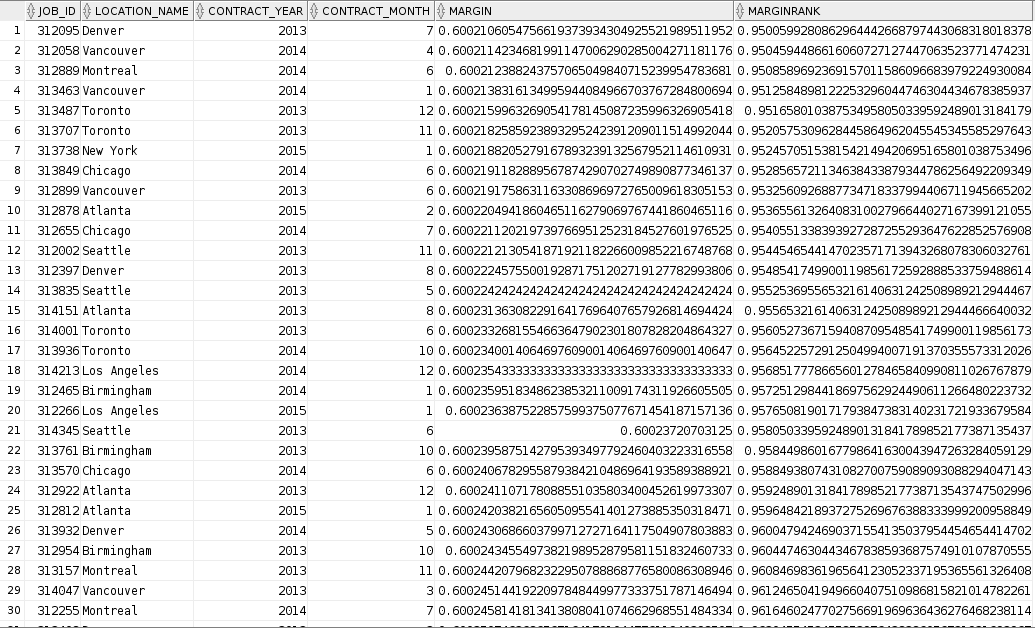


5. AQ5

SELECT j.job\_id,   
       l.location\_name,   
       t.time\_year                                         AS contract\_year,   
       t.time\_month                                        AS contract\_month,   
       **SUM**(i.iasum - x.costs) / **SUM**(i.iasum)               AS Margin,   
       **Percent\_rank**()   
         over (   
           ORDER BY **SUM**(i.iasum - x.costs) / **SUM**(i.iasum)) AS MarginRank   
FROM   w\_job\_f j,   
       w\_location\_d l,   
       w\_time\_d t,   
       invoice\_summary i,   
       (SELECT **SUM**(sj.cost\_labor + sj.cost\_material   
                   + sj.cost\_overhead + mc.machine\_costs) AS costs,   
               sj.job\_id   
        FROM   w\_sub\_job\_f sj,   
               machine\_costs mc   
        WHERE  sj.sub\_job\_id = mc.sub\_job\_id   
        GROUP  BY sj.job\_id) x   
WHERE  j.location\_id = l.location\_id   
       AND j.contract\_date = t.time\_id   
       AND j.job\_id = i.job\_id   
       AND j.job\_id = x.job\_id   
GROUP  BY j.job\_id,   
          l.location\_name,   
          t.time\_year,   
          t.time\_month  

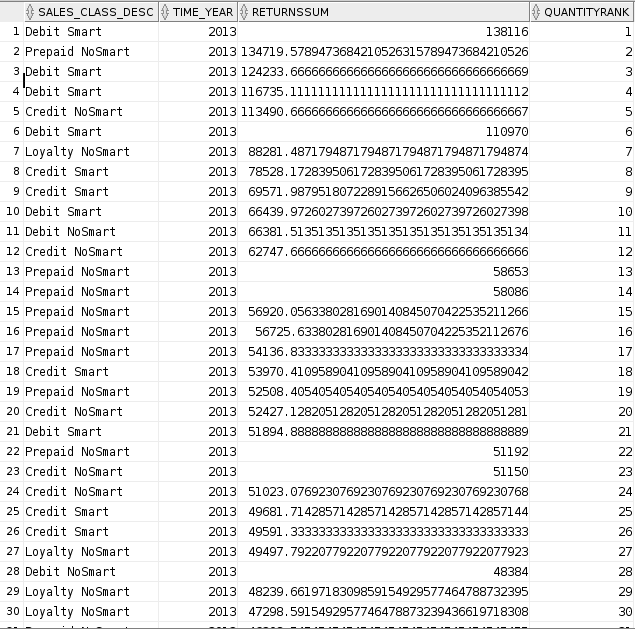
6. AQ6

SELECT job\_id,   
       location\_name,   
       contract\_year,   
       contract\_month,   
       margin,   
       marginrank   
FROM   (SELECT j.job\_id,   
               l.location\_name,   
               t.time\_year                                 AS contract\_year,   
               t.time\_month                                AS contract\_month,   
               **SUM**(i.iasum - x.costs) / **SUM**(i.iasum)       AS Margin,   
               **Percent\_rank**()   
                 over (   
                   ORDER BY **SUM**(i.iasum - x.costs) / **SUM**(i.iasum)) AS MarginRank   
        FROM   w\_job\_f j,   
               w\_location\_d l,   
               w\_time\_d t,   
               invoice\_summary i,   
               (SELECT **SUM**(sj.cost\_labor + sj.cost\_material   
                           + sj.cost\_overhead + mc.machine\_costs) AS costs,   
                       sj.job\_id   
                FROM   w\_sub\_job\_f sj,   
                       machine\_costs mc   
                WHERE  sj.sub\_job\_id = mc.sub\_job\_id   
                GROUP  BY sj.job\_id) x   
        WHERE  j.location\_id = l.location\_id   
               AND j.contract\_date = t.time\_id   
               AND j.job\_id = i.job\_id   
               AND j.job\_id = x.job\_id   
        GROUP  BY j.job\_id,   
                  l.location\_name,   
                  t.time\_year,   
                  t.time\_month)   
WHERE  marginrank >= .95



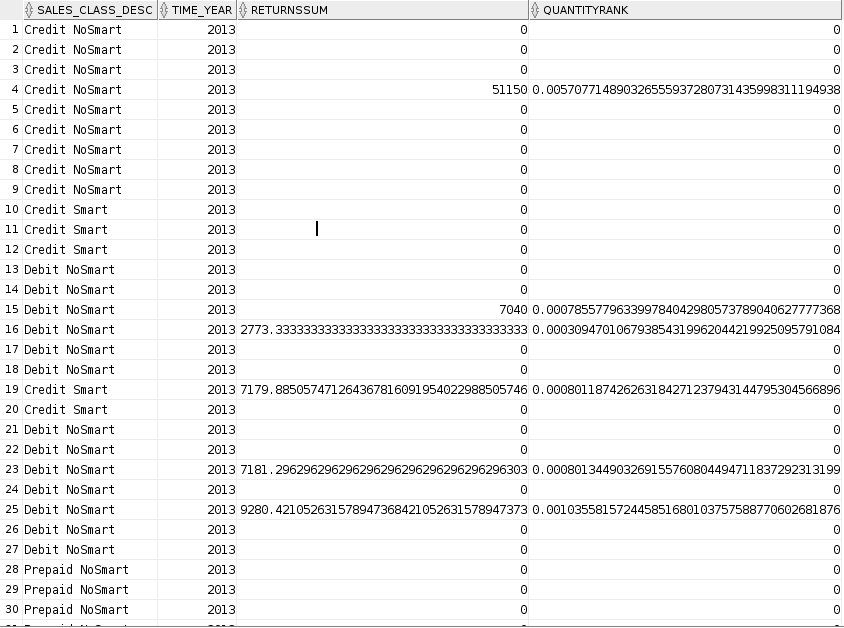
7. AQ7

SELECT sc.sales\_class\_desc,   
       t.time\_year,   
       ( i.invoice\_amount / i.invoice\_quantity ) \* (   
       i.quantity\_shipped - i.invoice\_quantity ) AS ReturnsSum,   
       **Rank**()   
         over (   
           PARTITION BY t.time\_year   
           ORDER BY ( i.invoice\_amount / i.invoice\_quantity ) \* (   
         i.quantity\_shipped   
         - i.invoice\_quantity ) DESC)            AS QuantityRank   
FROM   w\_sales\_class\_d sc,   
       w\_invoiceline\_f i,   
       w\_time\_d t   
WHERE  sc.sales\_class\_id = i.location\_id   
       AND i.invoice\_sent\_date = t.time\_id



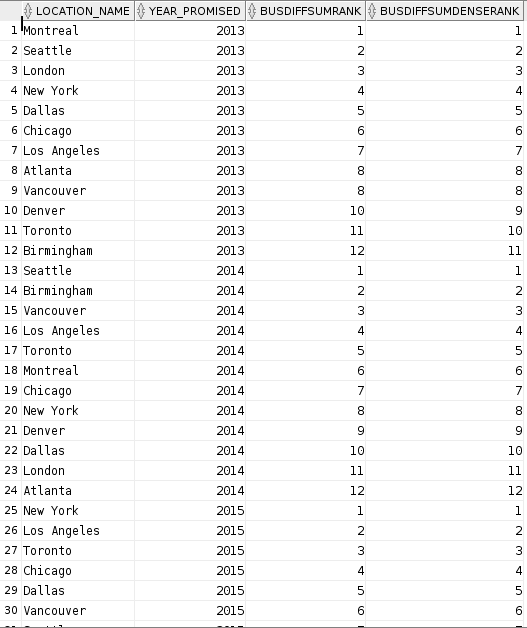
8.AQ8

SELECT sc.sales\_class\_desc,   
       t.time\_year,   
       ( i.invoice\_amount / i.invoice\_quantity ) \* (   
       i.quantity\_shipped - i.invoice\_quantity ) AS ReturnsSum,   
       **Ratio\_to\_report**(( i.invoice\_amount / i.invoice\_quantity ) \* (   
                       i.quantity\_shipped - i.invoice\_quantity ))   
         over (   
           PARTITION BY t.time\_year)             AS QuantityRank   
FROM   w\_sales\_class\_d sc,   
       w\_invoiceline\_f i,   
       w\_time\_d t   
WHERE  sc.sales\_class\_id = i.location\_id   
       AND i.invoice\_sent\_date = t.time\_id



9. AQ9

SELECT l.location\_name,   
       t.time\_year   
       AS year\_promised,   
       **Rank**()   
         over (   
           PARTITION BY t.time\_year   
           ORDER BY **SUM**(**Getbusdaysdiff**(j.contract\_date, x.firstshipdate)) DESC)   
       AS   
       BusDiffSumRank,   
       **Dense\_rank**()   
         over (   
           PARTITION BY t.time\_year   
           ORDER BY **SUM**(**Getbusdaysdiff**(j.contract\_date, x.firstshipdate)) DESC)   
       AS   
       BusDiffSumDenseRank   
FROM   w\_job\_f j,   
       w\_location\_d l,   
       firstship x,   
       w\_time\_d t   
WHERE  j.location\_id = l.location\_id   
       AND j.job\_id = x.job\_id   
       AND j.date\_promised = t.time\_id   
GROUP  BY l.location\_name,   
          t.time\_year



10. AQ10

SELECT l.location\_name,   
       t.time\_year   
       AS year\_promised,   
       x.sumdelayshipqty,   
       **Rank**()   
         over (   
           PARTITION BY t.time\_year   
           ORDER BY **Getbusdaysdiff**(x.last\_shipment\_date, j.date\_promised) DESC)   
       AS   
       BusDiffRank   
FROM   w\_job\_f j,   
       w\_location\_d l,   
       shipment\_delays x,   
       w\_time\_d t   
WHERE  j.location\_id = l.location\_id   
       AND j.job\_id = x.job\_id   
       AND j.date\_promised = t.time\_id

