|  |  |  |  |
| --- | --- | --- | --- |
| **Cube** | **Grain** | **Unadjusted Size** | **Sparsity** |
| INVOICE | (WEEK ,CUSTOMER ,   LOCATION, SALES AGENT,SALES CLASS)  (DAY , CUSTOMER, LOCATION SALES AGENT, SALES CLASS) | (W = 52) X (C = 300) X( L = 10 )X (SALES A = 50) X  (SALES C = 6 ) = 46  (D = 365) X (C = 300) X( L = 10 )X (SALES A = 50) X  (SALES C = 6 ) = 328 | FACT TABLE SIZE = SUM OF ROW DIMENSIONS ( 4.370.276)  1 - ( 4.370.276 / 46 = 0,9066  2 - ( 4.370.276 / 328) = 0,9867 |
| JOB | (WEEK ,CUSTOMER ,   LOCATION, SALES AGENT,SALES CLASS)  (DAY , CUSTOMER, LOCATION SALES AGENT, SALES CLASS) | (W = 52) X (C = 300) X( L = 10 )X (SALES A = 50) X  (SALES C = 6 ) = 46  (D = 365) X (C = 300) X( L = 10 )X (SALES A = 50) X  (SALES C = 6 ) = 328 | 1 - ( 4.370.276 / 46) = 0,9066  2 - ( 4.370.276 / 328.) = 0,9867 |
| SUBJOB | (WEEK ,CUSTOMER ,   LOCATION, SALES AGENT,SALES CLASS,MACHINE TYPES,CUSTLOCATION )  (DAY,CUSTOMER,CUSTLOCATION,LOCATION,MACHINE TYPE,SALES AGENT,SALES CLASS ) | ( W = 52 ) x ( C = 300) x ( CL=10000) x(L = 10 ) x ( MT = 10 ) x (S A = 50 ) x (S C = 6 ) = 468  ( D = 365 ) x ( C = 300) x ( CL=10000) x(L = 10 ) x ( MT = 10 ) x (S A = 50 ) x (S C = 6 ) = 32.850 | 1 - ( 4.370.276 / 468.000)=1  1 - ( 4.370.276 / 32.850)=1 |
| SHIPMENT | (WEEK,CUSTOMER, CUSTLOCATION LOCATION,MACHINE TYPE,SALES AGENT,SALES CLASS)  (DAY,CUSTOMER,CUSTLOCATION,LOCATION,MACHINE TYPE,SALE CLASS) | ( D = 365 ) x ( C = 300) x ( CL=10000) x (L = 10 ) x ( MT = 10 ) x (S C = 6 )=65.7 | 1 - ( 4.370.276 / 65.700)=1 |