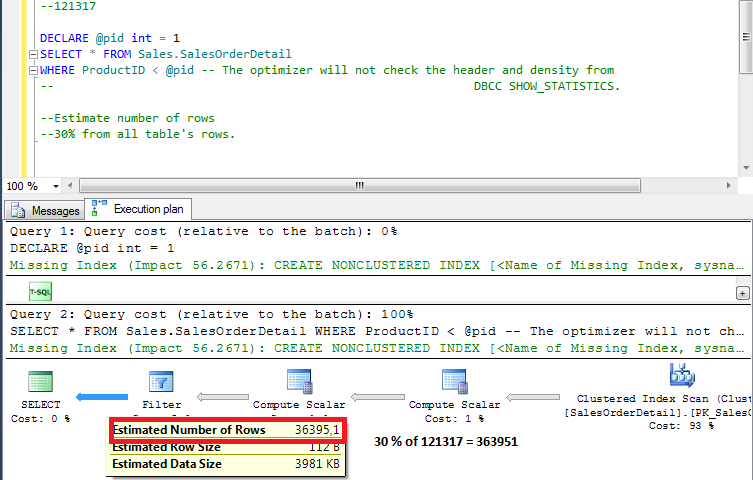


The way to calculate the Estimated Number of rows through the sargable search condition “>” and local variable.



The output is 30% from all table rows

SELECT COUNT(\*) FROM Sales.SalesOrderDetail;

--121317

DECLARE @pid int = 777 --

SELECT \* FROM Sales.SalesOrderDetail

WHERE ProductID = 777 -- Because of "=" operator, the Q.O will use the statistics the

--following way:

OPTION(MAXDOP 1)

--The density value from ProductID column \* number of rows from the table Sales.SalesOrderDetail

--select "0.003759399\*121317" =456.079 as you can see below:

DBCC SHOW\_STATISTICS('Sales.SalesOrderDetail',teste2013)

--

OPTION(MAXDOP 1)

--Estimate number of rows

--30% from all table's rows.

SELECT \* FROM Sales.SalesOrderDetail

select \*from sales.SalesOrderDetail where ProductID=870 and OrderQty=1

--2630.1

--rows=121317

sp\_helpindex 'sales.SalesOrderDetail'

dbcc show\_statistics('sales.SalesOrderDetail',IX\_SalesOrderDetail\_ProductID)

--density=0,003759399

--estimated number of rows=4688 (Colunm EQ\_ROWS FROM dbcc\_showstatistics)

select 4.688/121.317 --0.0386425645

go

dbcc show\_statistics('sales.SalesOrderDetail',OrderQty)

--density=0,02439024

--estimated number of rows=68062,18 (Colunm EQ\_ROWS FROM dbcc\_showstatistics)

select 68.062/121.317 --0.5610260721

select 0.5610260721 \* 0.0386425645 --0.02167948617730590045

select 0.02167948617730590045\*121317

--2630.1 = 2630.09022457221992489265