T-SQL Window Functions

Getting Started



Kathi Kellenberger

@auntkathi | auntkathisql.com

What Are T-SQL Window Functions?

They have nothing to do with the Windows API

Operate over a set of rows

Always have an OVER clause

Where Can I Add a Window Function?

May appear in

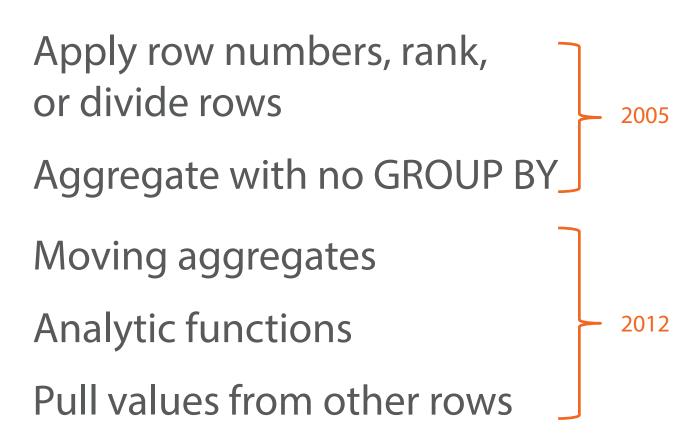
- SELECT list
- ORDER BY clause

Cannot be found in

- FROM clause
- WHERE clause
- GROUP BY clause
- HAVING clause

New Ways to Solve Problems

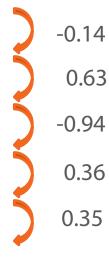






The Stock Market Problem

TickerSymbol	TradeDate	ClosePrice
Z	2014-12-02	38.45
Z	2014-12-03	38.31
Z	2014-12-04	38.94
Z	2014-12-05	38.00
Z	2014-12-06	38.36
Z	2014-12-09	38.71



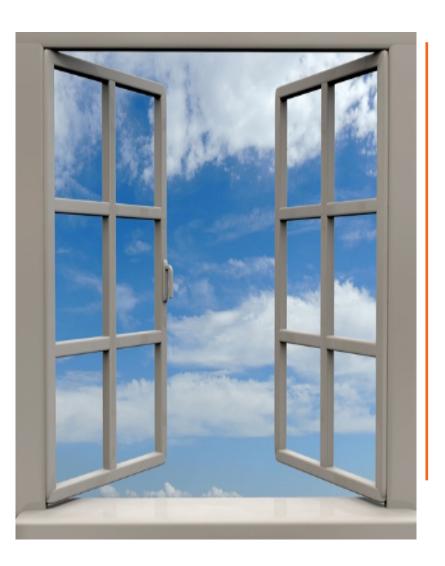
Tools

Statistics IO

Execution Plans

Statistics Time

Course Overview



Functions added in 2005 and 2012

Real world examples

Performance Tuning

Coming up next: The OVER Clause