Understanding the OVER Clause

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The Parts of the OVER Clause

ORDER BY

PARTITION BY

Framing

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ORDER BY

May be one or more columns or expressions -- even a subquery

Required when the order is important to the function

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PARTITION BY

May be one or more columns or expressions – even a subquery

Always supported and always optional

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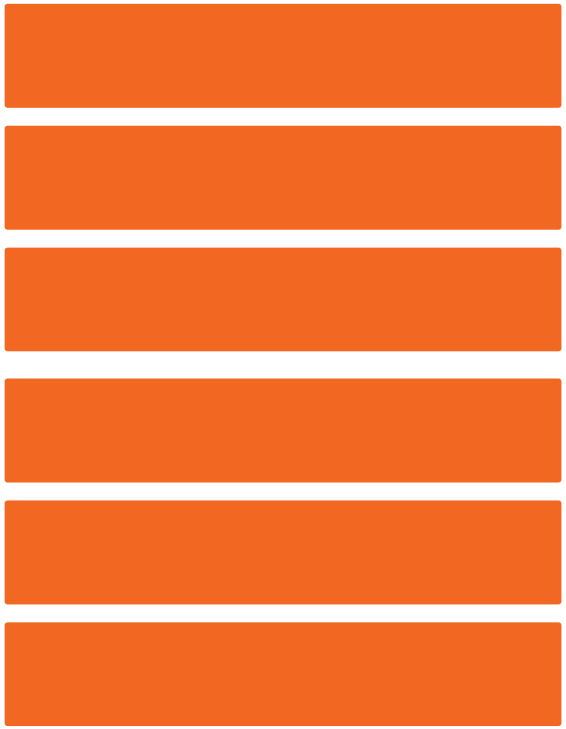
PARTITION BY

May be one or more columns or expressions – even a subquery



Always supported and always optional

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Framing

Introduced with SQL Server 2012

More granular window -- smaller than the partition

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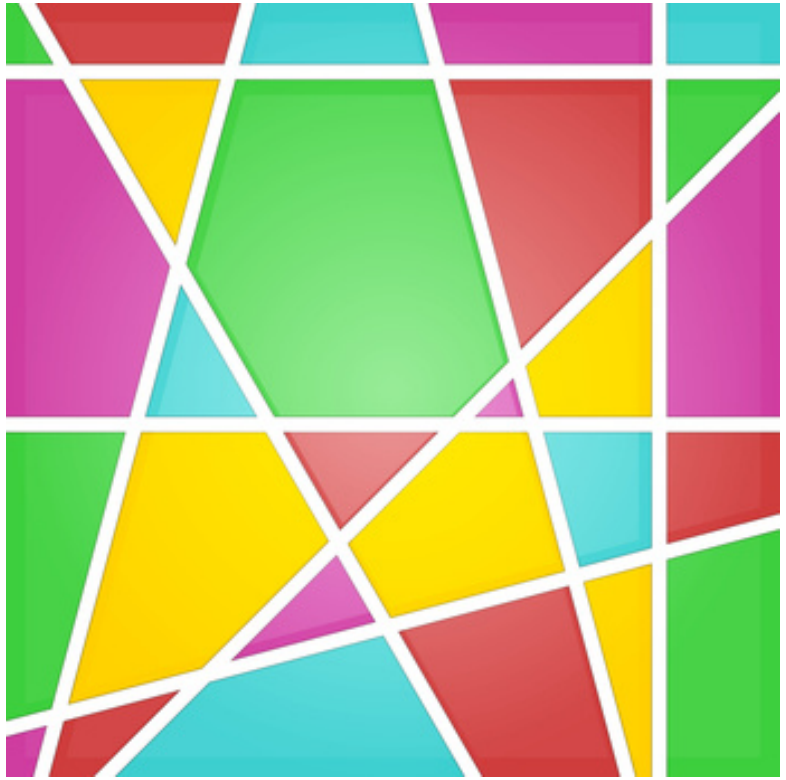

More granular window -- smaller than the partition

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LAG Code

```
LAG(<column you need>)
OVER ([<PARTITION BY Expression>] ORDER BY <expression>)


LAG(ClosePrice)
OVER (PARTITION BY TickerSymbol ORDER BY TradeDate)
```

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Course Overview

Functions added in 2005 and 2012

Real world examples

Performance tuning

Coming up next: The ranking functions

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