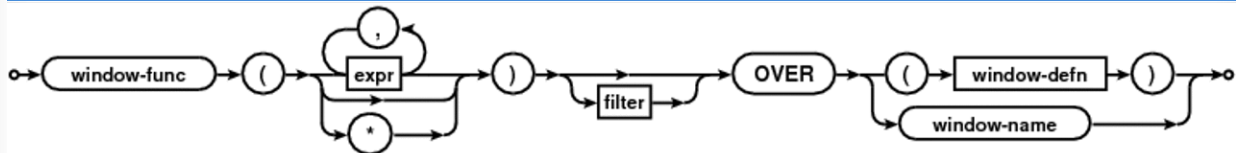


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Database Weekly



SQLite 3.25 To Support Window Functions — It's not released *quite* yet but this is an interesting step forward for SQLite. [Here's the full documentation](#). And if you're not familiar with SQL's window functions support, [here's an interactive quiz-based tutorial](#).

SQLITE

The Cost of a JOIN — A 'join' is the combination of two sets of data (i.e. columns from two tables) and a very frequently performed operation in SQL queries - but how *expensive* are they? This post takes a practical look at what affects their performance in PostgreSQL, and triggered quite a bit of [discussion on Hacker News](#).

BRIAN LIKES POSTGRES

Studio 3T Adds SQL Joins Wizardry To Its MongoDB IDE — Transfer your SQL skills to the new enterprise database, by reading: "How to Create MongoDB Joins Using SQL."

STUDIO 3T SPONSOR

► **MongoDB World 2018: The Breakout Sessions** — MongoDB World 2018 drew MongoDB developers from all around the world but you can watch many of the sessions online now. Learn about things like [sharded transactions](#), [change streams](#), [how ideas become MongoDB features](#), and more.

MONGODB, INC.

Amazon Elasticsearch Service Now Supports Elasticsearch 5.6 & 6.3 — You can even use in-place version upgrades to upgrade your existing domains.

AMAZON WEB SERVICES, INC.

On The Release of RedisGraph v1.0 Preview — RedisGraph is a graph database architecture implemented as a Redis module, using GraphBLAS sparse matrices for internal data representation and linear algebra for query execution.

REDIS LABS

[Selecting the Right Database for Your Microservices](#)

ROSHAN KUMAR

A Review of MongoDB Backup Options — A high-level overview of several available MongoDB backup tools and approaches.

AKASH KATHIRIYA

[How Walmart Built a Robust Analytics Platform on Spark, Kafka and Cassandra](#)

RISHI SARAF (WALMART LABS)

[How Microsoft Drives Exabyte Analytics on the World's Largest YARN Cluster](#)

RAGHU RAMAKRISHNAN (MICROSOFT)

[Webinar: Building Modern Apps with the MERN Stack and Google Cloud Platform](#) — Learn about the two dominant JavaScript stacks: MEAN and MERN and how to implement these web stacks on GCP.

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[go-sqlite-lite: A New SQLite Driver for Golang](#) — It supports SQLite's [online backup API](#) and [BLOB incremental IO](#).

BRIAN VINCENT

[QLBridge: A SQL Expression VM for Building Your Own Query Engines in Golang](#) — A SQL execution engine for embedded use as a library for SQL or SQL-Like functionality.

AARON RADDON

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