Database Weekly

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The Case for Learned Index Structures — Get your academic brain in gear with this exploratory research paper from MIT and Google that posits all existing index structures can be replaced with better performing *learned indexes* that can be built using deep-learning models. This is one of those *"lots of databases might be doing this in 10 years"* moments.
KRASKA, BEUTEL ET AL.

The Three-Valued Logic (3VL) of SQL — Besides true and false, the result of logical expressions in SQL can also be *unknown*.
MARKUS WINAND

Performance Analytics for Amazon Redshift. For Data Engineering Heroes — Amazon Redshift is incredibly powerful, but you can spend a lot of time fighting fires. We fix that. intermix.io gives you the tools you need to analyze your Redshift performance and improve the toolchain of everyone downstream from your cluster.
INTERMIX.IO SPONSORED

10 Key Big Data Trends That Drove 2017 — AI, Spark, and graph databases continue to grow, Hadoop's star has faded slightly, and more.
ALEX WOODIE

RedFI: A Fault-Injection Redis Proxy — A tool for testing the resiliency of your app against faults in connecting to Redis (e.g. delays, dropped connections).
KHALID LAFI TOOLS

PostgreSQL 10 Generally Available on Heroku
HEROKU

As Data Quality Declines, Costs Soar — Cleaning up and filtering 'bad data' is a growing area.
DATANAMI

Database Performance Monitoring Buyer's Guide — This guide is designed to aid when evaluating database monitoring solutions for your unique environment.
VIVIDCORTEX SPONSORED

Running a Distributed Database on Kubernetes on Azure
LENA HALL

Using PopSQL for Collaborative SQL Editing — A commercial tool that's free for one or two users.
NAOMI SLATER

Constructing a Data Model for a Parking Lot Management System
VERTABELO

A Case Study of How Redis Handles Concurrency
ELI BENDERSKY

Continuous Delivery: GoCD VS Spinnaker — An overview of GoCD & Spinnaker, why they are different from each other and which problems you should use them to solve.
GOCD SPONSORED

Advanced Design Patterns for Amazon DynamoDB — A deep dive into design patterns for DynamoDB covering strategies for GSI sharding, index overloading, scalable graph processing and more.
RICK HOULIHAN VIDEO

Best Practices for Building Serverless Big Data Applications
BEN SNIVELY VIDEO

mssql-cli: A New Interactive CLI for SQL Server
MICROSOFT TOOLS

xls2db: Export Table Data From Excel to MySQL
GITHUB.COM TOOLS

memcached-operator: A Kubernetes Operator for 'memcached'
IAN LEWIS CODE

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