My Database Totally Hates Me!

Michael Franklin
UC Berkeley

The Database is also pretty pissed off at:
Donald Kossmann*, Tim Kraska+, Sukriti Ramesh*, and Reynold Xin+

*ETH Zurich, +UC Berkeley
An Uncannily Accurate Source

National Science Foundation: Science Hard

INDIANAPOLIS—The National Science Foundation’s annual symposium concluded Monday, with the 1,500 scientists in attendance reaching the consensus that science is hard.

chairman Louis Farian. “However, a break-through discovery is challenging our long-held perceptions about our discipline—the discovery that science is really, really hard.”
F*** Everything, We're Doing Five Blades

BY JAMES M. KILTS
CEO AND PRESIDENT, <BR>THE GILLETTE COMPANY
FEBRUARY 18, 2004 | ISSUE 40•07

Would someone tell me how this happened? We were the vanguard of shaving in this country. The Gillette Mach3 was the razor to own. Then the other guy came out with a three-blade razor. Were we scared? Hell, no. Because we hit back with a little thing called the Mach3Turbo. That's three blades and an aloe strip. For moisture. But you know what happened next? Shut up, I'm telling you what
Gillette unveils 5-bladed razor

New system, available in early 2006, to have lubricating strips on both the front and back sides.

September 14, 2005: 3:35 PM EDT

NEW YORK (CNN/Money) - Gillette has escalated the razor wars yet again, unveiling a new line of razors on Wednesday with five blades and a lubricating strip on both the front and back.

The razor, known as the Fusion, has blades spaced 30 percent closer than Gillette's current
Bush: 'Our Long National Nightmare Of Peace And Prosperity Is Finally Over'

WASHINGTON, DC—Mere days from assuming the presidency and closing the door on eight years of Bill Clinton, president-elect George W. Bush assured the nation in a televised address Tuesday that "our long national nightmare of peace and prosperity is finally over."

"My fellow Americans," Bush said, "at long last, we have reached the end of the dark period in American history that will come to be known as the Clinton Era, eight long years characterized by unprecedented economic expansion, a sharp decrease in crime, and sustained peace overseas. The time has come to put all of that behind us."

Bush swore to do "everything in [his] power" to undo the damage wrought by
POIN/T COUNTERPOINT

OCTOBER 11, 2000 | ISSUE 45-01 ISSUE 36-36

Point

My Computer Totally Hates Me!

BY VICKI HELMHOLZ

About a month ago, I got a new computer here at my reception desk at the dentist's office, and, boy, does that thing have it in for me! I am not kidding. When it sees me coming, I swear, it must be all like, "Oh, goody, here comes Vicki... time to go on the frizt!" I mean, my computer seriously hates me!

Now, I'm not exactly a computer person. I've never been what you'd

Counterpoint

God, Do I Hate That Bitch

BY DELL DIMENSION 4100

Actually, let's start with me. I am a brand-new, state-of-the-art Dell Dimension 4100, although, if all you had to go by was Vicki, you'd think my name was "Tweety Bird Sticker Receptacle."

Never mind that Dr. Glickman screwed up and bought this colossal ditz of a receptionist more
Select * From Restaurant Where city = ...

be very wary of doing any work for this requester...

I would do work for this guy requester again.

Hmm... I smell lab rat material.

I advise not clicking on his "information about restaurants" hits.

This guy should be shunned.
How?
CrowdDB - Crowdsourced Databases

- Parser
- Optimizer
- Executor
- Files Access Methods
- UI Creation
- Form Editor
- Form Collection
- HIT Management

Disk 1
Disk 2
Why Crowdsourcource Queries?

- People can find missing data
- People can do entity resolution
- People can do image search
- People can pick the “best” example
- People can handle ambiguity

- People can break through the limitations of traditional data management
Processor Relations?

Turker Nation - Topic: Tim Kraska - AMP (Read 291 times)

**Jf2737** - Grizzled Turker
I clicked on his hits, and my computer blocked it saying 'some files are being attempted to be downloaded' or something like that. I quickly got out of it.

*I advise not clicking on his Find information about restaurant hits.*

**Beekers** - Master Turk
My computer did the same. A quick google (I'm a curious one...) got me this:

http://www.cs.berkeley.edu/~kraska/

Hmm... *I smell lab rat material.*

**Ohsostrange** - Master Turk
I don't mind doing hits for the psycho psychologists, so long as they say right up front that they're experimenting on us and they pay decently, but when one of these little creeps tries to sneak something on or off our computers, he's gone too damned far.

**This guy needs to be shunned.**

http://turkers.proboards.com/index.cgi?board=shame&action=display&thread=7084
Processor Relations?

AMPLab

HIT Group » Simple straight-forward HITs, find the address and phone number for a given business in a given city. All HITs completed were approved. Pay was decent for amount of time required, when compared to other available HITs.

But not when looked at from an hourly wage perspective. I would do work for this requester again. posted by...

fair:5 / 5  fast:5 / 5  pay:4 / 5  comm:0 / 5

Tim Klas Kraska

HIT Group » I recently did 299 HITs for this requester.... Of the 299 HITs I completed, 11 of them were rejected without any reason being given. Prior to this I only had 14 rejections, a .2% rejection rate. I currently have 8522 submitted HITs, with a .3% rejection rate after the rejections from this requester (25 total rejections). I have attempted to contact the requester and will update if I receive a response. Until then be very wary of doing any work for this requester, as it appears that they are rejecting about 1 in every 27 HITs being submitted. posted by ...

fair:2 / 5  fast:4 / 5  pay:2 / 5  comm:0 / 5
Scheduling and Resource Allocation (before)

- Round Robin
- First Fit
- Best Fit
- Proportional Fair Sharing
- ...
Scheduling and Resource Allocation (after)

- Asking
- Cajoling
- Wheedling
- Bribing
- Schmoozing
- Apologizing
- ...

15
But Seriously...

- Crowdsourcing can fix the fundamentally broken relational DB model.
- People-in-the-loop changes everything.
  
  AMPLab = Algorithms, Machines & People
- Huge research opportunity and beyond?

- So, be nice to your database processors...
  
  Or they may decide not to answer your queries.