aws Invent

AIM367-S

Data is out, knowing is in: Applying AI to automate cloud operations

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DevOps Activist

Dynatrace

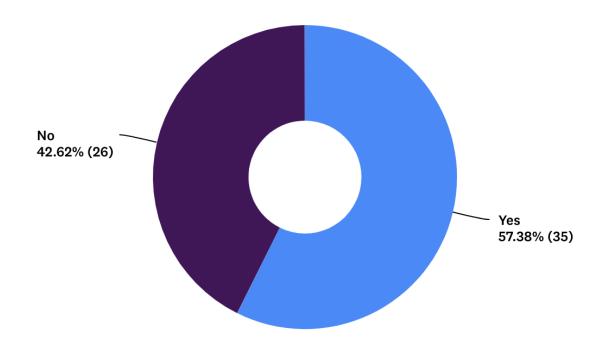




Fear or embrace AI?

Were you sceptical about an AI engine's ability to transform or help improve your IT/Cloud operations?

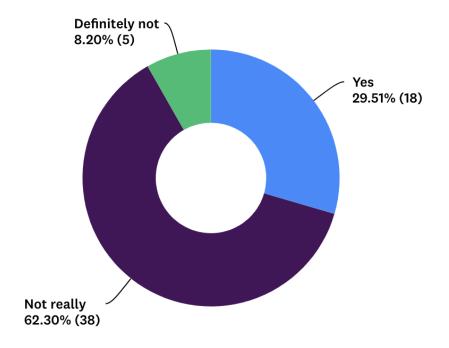
Answered: 61 Skipped: 0



ANSWER CHOICES	RESPONSES	•
▼ Yes	57.38%	35
▼ No	42.62%	26
TOTAL		61

Did you believe it was possible to instantly pinpoint the precise root cause of a problem before using Davis?

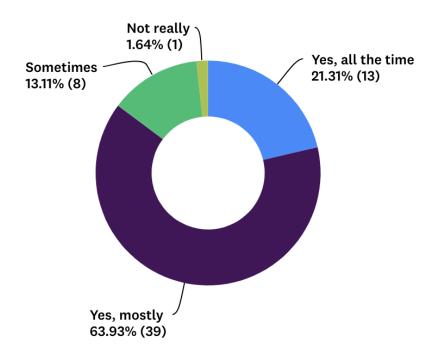
Answered: 61 Skipped: 0



ANSWER CHOICES	▼ RESPONSES	•
▼ Yes	29.51%	18
▼ Not really	62.30%	38
▼ Definitely not	8.20%	5
TOTAL		61

Do you trust the answers that Davis provides?

Answered: 61 Skipped: 0



ANSWER CHOICES ▼	RESPONSES	•
▼ Yes, all the time	21.31%	13
▼ Yes, mostly	63.93%	39
▼ Sometimes	13.11%	8
▼ Not really	1.64%	1
TOTAL		61

So let's recap

- We are skeptical of AI engines being able to help IT/cloud operations
- Specifically, we don't believe it's possible to be able to find the precise root cause of issues
- Those that tried it, then did trust the answers

Whether you believe it or not

You have no choice but to change.



WORLD ECONOMIC FORUM We are going into the fourth industrial revolution and facing "transformation" unlike anything humankind has experienced before.

Klaus SchwabHead of World Economic Forum

You have one of the hardest jobs in the world

Unchartered waters

Stakes are high

Complexity

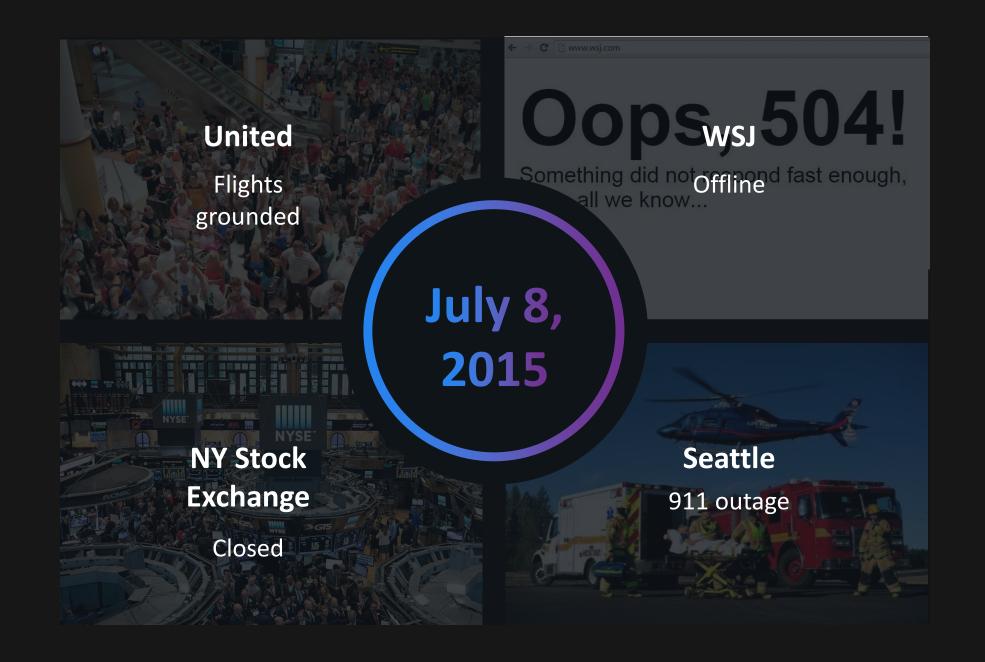
The world needs software to work perfectly



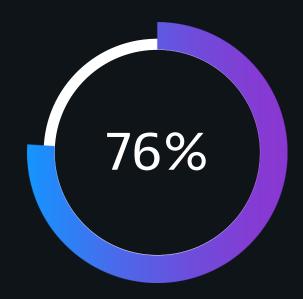




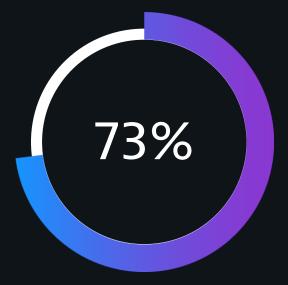




Running this software is harder than ever



of CIOs say that complexity will make it impossible to manage performance



of CIOs say that
complexity will make managing user
experience almost impossible



Beyond human capability

"I love war rooms"

Said nobody ever

"I like guessing, knowing is boring"

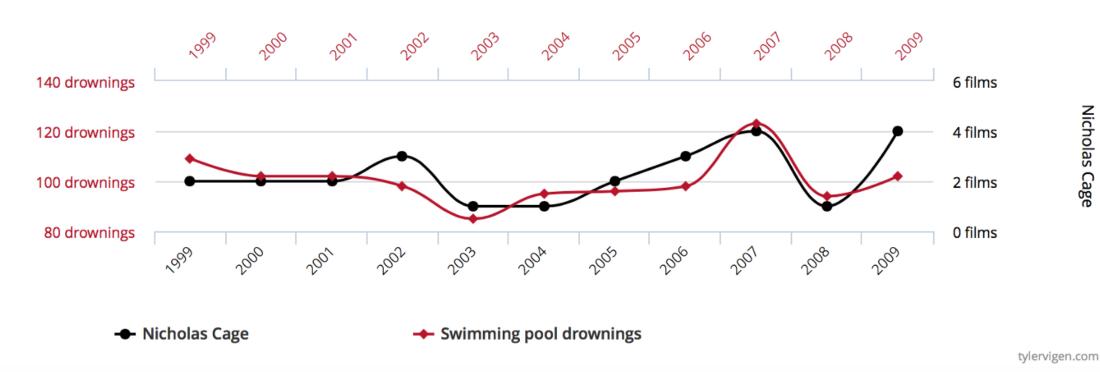
Said nobody ever

Swimming pool drownings

Number of people who drowned by falling into a pool correlates with

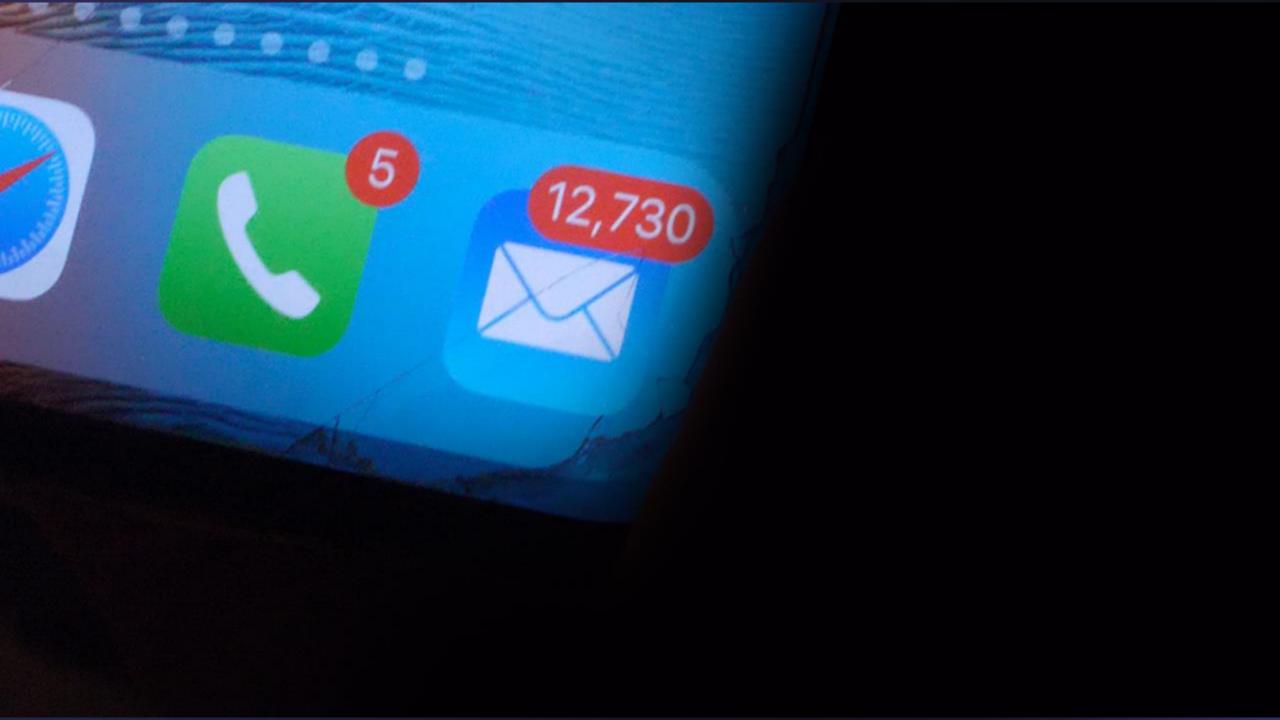
Films Nicolas Cage appeared in

Correlation: 66.6% (r=0.666004)



ata sources: Centers for Disease Control & Prevention and Internet Movie Database

Nicholas Cage



Assisted Artificial Intelligence

The Promise of Al

Enable autonomous operations, boost innovation, and offer new modes of customer engagement by automating everything.



◀ AlOps

Replace a storm of noisy anomaly alerts with accurate and reliable root cause analysis.



◀ Intelligent DevOps

Increase the speed of innovation and software quality through intelligent performance and regression testing.



◀ Auto-remediation

Automate anomaly remediation and performance optimization based on system health and real user demands.



◆ Smart customer engagement

Use business intelligence data to improve customer experience, including automatic remediation of breakdowns and complaints.





1,000 hours to 50 hours per release.



Release downtime reduced from 32 hours p.a. to 0 p.a.



Zero major incidents relating to change.

If we spend less time troubleshooting, we can spend more time using our grey matter

Vitality rewards





































POSITIVELY DIFFERENT 25

Our reward program







































POSITIVELY DIFFERENT 26

The technology behind proactive servicing



User experience data

Raw data connected with ML platform







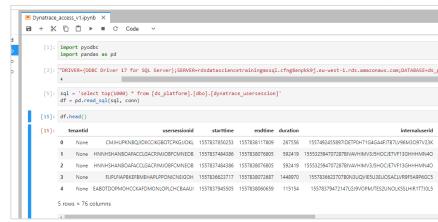












The technology behind proactive servicing















Today 09:28

Hi, we've noticed your Garmin device is no longer linked to your Vitality account, click here ******* if you need help relinking

Delivered



Action

User experience category

Profit rank

Lapse probability

Model

recommended action

1227175674 Touch on CINEMA REWARDS

FRUSTRATED

Green

23%

Send email communication





Dynatrace's deterministic Al allows us to be confident in its answers and automate remediation without human interaction, paving the way for autonomous cloud operations."

Jonathan Hayes, VP IT Service Excellence



It's personal

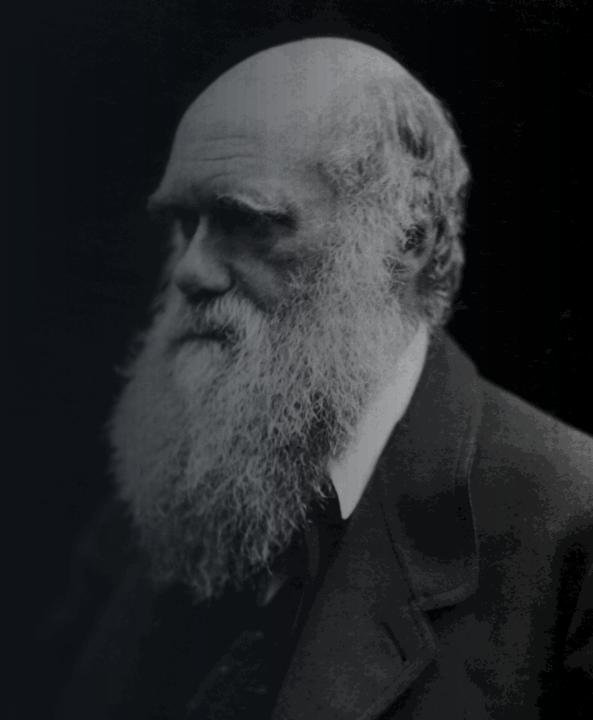
"Dynatrace helps me, and my team, sleep at night. When everyone is struggling to do more with less, Dynatrace picks up the slack, and enables my team to have a better work/life balance."

B barbri



"It is not the strongest of the species that survives, nor the most intelligent, but the one most responsive to change."

Charles Darwin, 1809



Demo



User Q&A

Sanjay Sankolli
VP, Cloud Center of Excellence
Western Union



Thank you!







Please complete the session survey in the mobile app.



