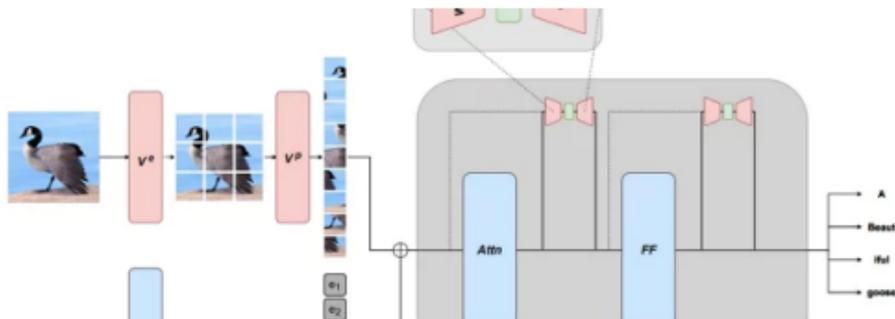


HIGHLIGHT

Alpha-Alpha publishes their MAGMA AI model as open-source.


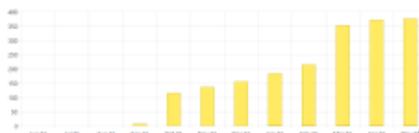
Welcome to issue number eight of Artificial Intelligence and Data Analytics User Group (AIDA) Forecaster! Designed for AIDA User Group members, AI and Data Analytics enthusiasts, this publication contains timely and relevant information to the AI and Analytics community.

Editorial

Dear Readers,

It is my pleasure to see you reading the new issue #8 of The Forecaster.

AIDAUG is growing, 376 members after only eight months of operations. Congratulations! Keep it coming!! Help us to top the 500.



Send a copy of the Forecaster #8 to a friend or colleague you care about and recommend joining <https://aidaug.org/join>

In your confirmation email, you will receive your personal invitation to slack as well as your official AIDAUG membership card.

AIDA FORECASTER #8

Kubernetes Monitoring Tools, Cognos Analytics Roadmap Q3 2022 to Q2 2023, IBM is worlds biggest contributor to smarter algorithms, smallest-ever robot, blood-cell clasification with neural networks.

Read it first on aidaug.org. We started publishing articles in the [member-only content section](#). Subscribe and read them in your browser or RSS feed even before the Forecaster hits your inbox.

Hope that you enjoy reading and let me know your ideas and thoughts.

I invite you to send me an email. And now ... enjoy and please [invite your mates!](#)

Ralf Roerber
AIDA Forecaster Editor
ralf@aidaug.org



Data Analytics Corner

Blog Post by Dina Henderson

Kubernetes Monitoring Tools: A Guide



It's widely accepted that the standard for creating cloud native applications is Kubernetes, and while this software has solved key challenges, it has also introduced new complications. It didn't take long before operators realized that monitoring a Kubernetes environment is one of the top obstacles that comes along with using this software. With the rise of Kubernetes came a new wave of monitoring tools to help overcome these challenges. Choosing the right monitoring toolkit for you and your team's Kubernetes environment is a challenge in itself as each tool covers a different speciality, from logging to metrics to data collectors and much more.

This blog unpacks some tips on which Kubernetes monitoring tool is best for you.

IBM >>> [read the whole post](#)

Cognos Analytics Roadmap (Master Epic)

What's up for Cognos Analytics 11.2.X?

For Q3/2022 there are awesome enhancements on the roadmap of Cognos Analytics.



- Run On Prem Notebooks with Podman as well as Docker. Increased flexibility.
- Improved Dashboard responsiveness in regards to zoom and mobile rendering
- Enable forecasting to consider time-series variables

Wiley - Global Strategy Journal

Who discovered the algorithms that underpin computing in the modern enterprise?

Companies are increasingly tackling problems with big data and sophisticated analysis techniques (e.g., Machine Learning).

To meet the increased computational demands of these approaches, the capability of computers must improve. One important technique for doing this is to redesign algorithms, the recipes that computers follow to perform calculations. As a result, firms that develop better algorithms, or get access to them first, can get important advantages over their competitors. This paper shows that it is U.S. corporations and U.S. universities that have produced most of the important algorithm improvements, and thus suggests that better algorithms may have been a source of advantage for U.S. multinationals.

>>> [IBM is the biggest algorithm contributor](#)

- Create alias and shortcut tables in data modules.
- Capture source reports for report views in Audit DB
- Dashboards: Multi-directional Cascading filters in Dashboards
- [Content Nav and Home] - Modernize Properties page (Carbon Adoption): New full-page user experience for editing asset properties.
- Context Sensitive Search: Search will return both global search results as well as results from the current folder.
- Enhanced Security for Data Source Connections (JWT)
- Extend package capabilities to Dashboard
- PREVIEW: Parameters and Prompts in Data Modules
- **Separate User defined SQL and HTML item capabilities as run vs create**
- Increase AI Assistant comprehension by understanding festival names, typos, holidays abbreviations and time expressions like YTD, QTD, MTD and WTD
- Improve forecast accuracy and allow multiple seasons
- Upgrade Python to 3.9.7, R kernel to version 4.1

>>> [see Complete Roadmap Q3/22 → Q2/23](#)

AI Corner

HIGHLIGHT

Aleph-Alpha publishes latest AI model as open-source.

Trying out DALL-E 2: "A stained glass window depicting a punk rocker using a laptop"

It's quite straight forward to use: just type in a textbox what you are looking for and DALL-E 2 will generate it a picture for you. OpenAI has a [waitinglist for new users](#).

Trying out aleph-alpha: Upload a picture from a Forecaster Screenshot cutting parts of the word "User Group" to "Use"

Completion: "The AI Data Analytics User Group"

Signing up at Aleph-Alpha and OpenAI is free and at both sites you receive credits to play around with the amazing offerings.

Aleph-Alpha AI models are available as Open-Source.

>>> [Aleph-Alpha playground](#)

>>> [Aleph-Alpha Github Repo](#)

>>> [Abstract on MAGMA](#)

Multimodal Augmentation of Generative Models through Adapter-based Finetuning



Data Privacy

How much is your data worth?

The rise of data-driven business models and their unprecedented growth has strongly increased the awareness around the value of data. Most people know they are the product in any free online service. Most people today are aware that their data is worth a lot of money.

According to [RitaPersonalData.com](#) my data is worth:



RitaPersonalData estimation is based on the amount of ads you've clicked and the estimated cost per click of that ad. So essentially they are showing you how much money Facebook and Google have earned from you.

RitaPersonalData just closed their pre-seed funding at \$1M and promises to reward you for sharing your data. So, that's a new approach giving you back the control of what you share with whom.

>>> [RitaPersonalData](#)

>>> [DataRade.ai](#) - #1 marketplace for personal data

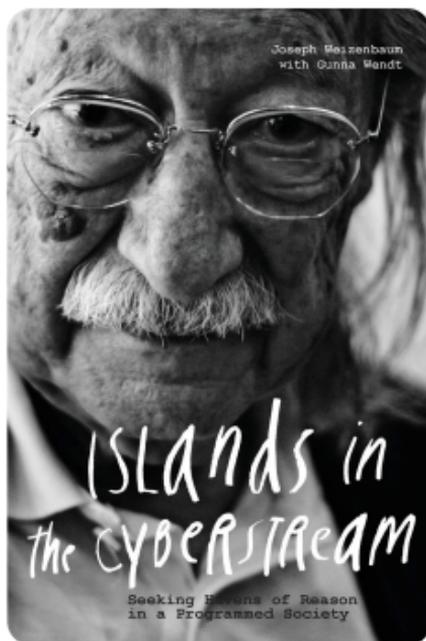
>>> [Wundermann Tompson using IBM Watson](#) (2min video)

>>> Wired article: "[Should big tech own your data?](#)"

NERDETTES AND NERDS KNOW THIS

"Islands in the Cyberstream: Seeking Havens of Reason in a Programmed Society"

Paperback by Joseph Weizenbaum and Gunna Wendt



Joseph Weizenbaum is best known in the English-speaking world for his 1976 popular critique of artificial intelligence, *Computer Power and Human Reason*. His reputation in Europe continued to flourish, however, as he wrote and spoke for German-speaking audiences until his death in 2008. *Islands in the Cyberstream: Seeking Havens of Reason in a Programmed Society* is an extended interview with Weizenbaum, originally published in German in 2006. Imaginative, iconoclastic, and always insightful about the role of computing in society, this book is a great introduction to the thought of Joseph Weizenbaum as it has evolved over the decades.

>>> [The book was published by 'Litwin Books'](#)



AIDAUG Slack is available at
>>> <https://aidaug.org/slack/>

HIGHLIGHT #2**Tiny robotic crab is smallest-ever remote-controlled walking robot**

Northwestern University



Northwestern University engineers have developed the smallest-ever remote-controlled walking robot -- and it comes in the form of a tiny, adorable peekytoe crab.

Just a half-millimeter wide, the tiny crabs can bend, twist, crawl, walk, turn and even jump. The researchers also developed millimeter-sized robots resembling inchworms, crickets and beetles. Although the research is exploratory at this point, the researchers believe their technology might bring the field closer to realizing micro-sized robots that can perform practical tasks inside tightly confined spaces.

The research was published on Wednesday (May 25) in the journal *Science Robotics*. Last September, the same team introduced a winged microchip that was the smallest-ever human-made flying structure.

"Robotics is an exciting field of research, and the development of microscale robots is a fun topic for academic exploration," said John A. Rogers, who led the experimental work. "You might imagine micro-robots as agents to repair or assemble small structures or machines in industry or as surgical assistants to clear clogged arteries, to stop internal bleeding or to eliminate cancerous tumors -- all in minimally invasive procedures."

Our technology enables a variety of controlled motion modalities and can walk with an average speed of half its body length per second," added Yonggang Huang, who led the theoretical work. "This is very challenging to achieve at such small scales for terrestrial robots."

>>> [Read the full story](#)

>>> [See video](#)

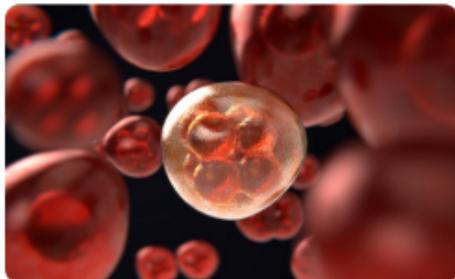
Leukopy — blood cell classification with neural networks

How deep learning could revolutionise the identification of leukocytes on blood smears

The diagnosis of many pathologies, such as infectious diseases, leukaemia or other haematological disorders rely on the classification of subtypes of white blood cells, a.k.a. leukocytes. Several biological techniques exist to identify leukocytes but the microscopic examination of blood smears is often crucial for the confirmation of diagnosis. Cells are identified by different characteristics: their granules, the number of lobes in the nucleus, the shape of the nucleus, the colour of the cytoplasm.

This technique however is prone to error, time-consuming and requires experts, which is why computer-aided analysis of blood smears have been developed.

Read how public available data sets were used to train models that do well in classifying 11 classes of blood cell pictures.



>>> [Read the full article](#)

Conferences

Data+AI Summit, June 27-30, 2022, San Francisco

The success of Apache Spark has accelerated the evolution of data teams to include data analytics, science, engineering, and AI. The summit brings together thousands of data teams to learn from experienced industry professionals about the convergence of data and AI. [See more Details](#)



All Things Open 2022, October 30-November 2, 2022, Raleigh

ATO is back to in-person meeting and celebrates its 10 years birthday this year. This is your conference, if you are passionate about Free and Open Source.

Call for Papers is open [See more Details](#)



The AI Summit, 2nd to 3rd November 2022, Austin, Texas

Something big is coming this November...

You might have heard that "everything is bigger in Texas" – and in the case of The AI Summit this year, that's 100% true!

[More Details](#)

THE AI SUMMIT AUSTIN

Resources

AIDAUG on Slack - [members-only slack](#)

Homepage of [AIDAUG.org](#) - sign up as a member, it is free.

Help shape the future of Analytics by submitting ideas that matter to you the most. Post ideas and enhancement requests. You can also take a look at ideas others have posted and upvote them if they matter to you. [let IBM know your ideas](#)

[IBM Research Lab](#) - Inventing What's Next

[IBM open source strategy](#) - did you know that IBM is founding member of the Linux Foundation, Eclipse Foundation and Apache Foundation?



Discounts for AIDA members

Exclusive offerings that are only available to AIDAUG members.

Want to read a good book? Are you thinking about renovating your computer equipment? See these exciting discounts we got for you.

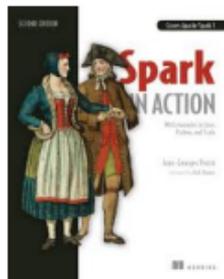
Manning Publications

... is offering 50% off everything in [their store](#) to AIDAUG members. This discount is valid for e-books, live projects, paper books...

It's a fantastic discount that they have never done before. This offer is (for now) only valid until end of February.

Use code `perrin50` to get the discount at check out.

If you do not know where to start in their catalog, start [here](#).



BBST Bug Advocacy Summary eBook

The must read for any Tester and QA.

"This booklet can help you be a more effective and relevant tester. I must disclose this: I don't believe the job of a tester is to improve the product." - James Marcus Bach

Editor's Note: I reviewed the eBook. What can I say? Testing and reporting bugs is art. Getting bugs fixed is hard work. This booklet is just the entrance door.

AIDAUG members get 50% with [this Coupon Link](#)



Closing & Credits



Would you have thought that the building above is the home of a supercomputer called "Mare Nostrum".

>>> [Visit Wikipedia Page of Mare Nostrum](#)

>>> Foto: By [Herodotoplomeu](#) - Own work, CC BY-SA 4.0

Thanks for reading - make sure to sign up to the AIDAUG.org website to receive discounts on various events. And as I wrote in the Foreword, you will have access to curated topics on weekly basis from now on.

There is so much going on in AI and Data Analytics, that it is sometimes hard to filter out the good stuff from the marketing buzz. I truly hope that curating the topics helps you to learn interesting details.

This Forecaster has been carefully crafted in Barcelona for AIDAUG members. Let the editor know your thoughts. You can reach out to him via email at raif@aidaug.org

Let's get in touch on [AIDAUG Slack](#)

Call to Action

Please spread the voice. Share this Forecaster with people you care for.