



data innovation alliance

Data+Service Office <info.office@data-innovation.org>

[d+i] Newsletter - New ways of doing old things better (thanks to data science)

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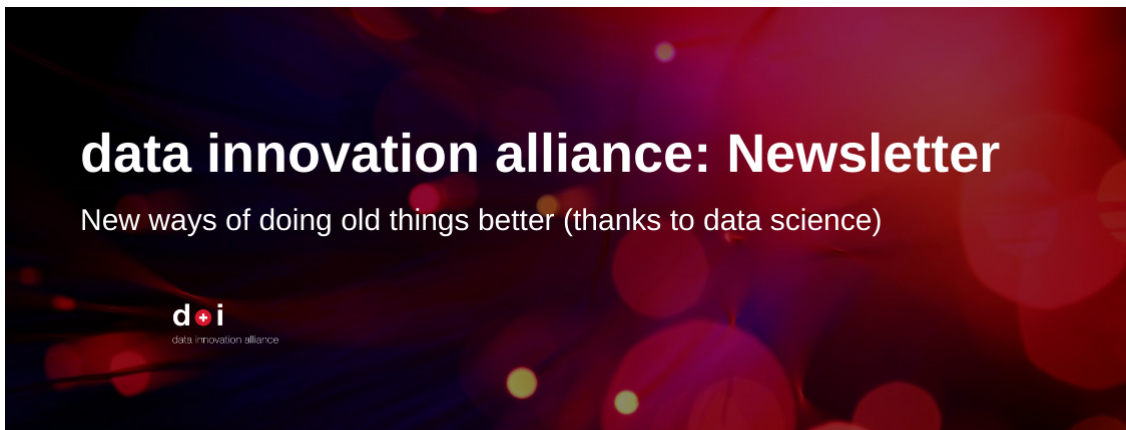
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From: **data innovation alliance** <info.office@data-innovation.org>

Date: Mon, 27 Feb 2023 at 09:19

Subject: [d+i] Newsletter - New ways of doing old things better (thanks to data science)

To: <info.office@data-innovation.org>



Dear Alliance members,

Starting into the new year, we at the alliance find ourselves surrounded by new developments. We've welcomed new members, a new addition to our growing team, a new event format series and, of course, novel technologies in Data Science.

Speaking of newness - "new" is not an absolute term. What is novel and exciting for the general public is often something that has already made several rounds in the expert community. A quick thought experiment to prove this: what word starts with "Chat" and has 3 capital letters that follow? And do you, as a data expert, want to hear even an utterance more about this text-based algorithm? Yeah, we didn't think so either.

Let's move on to that which is new - for you.

New Data Science Patents

You know that on-the-tip-of-your-tongue feeling when you can't remember the right word you want to use? What about if there was an AI that auto-filled your brain blank?

Well, not quite. But heading in the direction of predicting your next need is the

innovative ML component recommendation patent¹ submitted by Tekion Corp.. Recommendation systems rank offerings and predict what a user will want next, without the choice necessarily being selected directly from the user history and without the user being aware of their need. Users often can't best define their requirements. That's why Henry Ford, when asked why he doesn't use customer feedback for developing his Ford Model T car series, famously stated: "If I had asked people what they wanted, they would have said faster horses.". The patented component recommendation model for objects generates suggestions, which can be a single button in a GUI to a full-on database interface, based on historical entries and component identifiers. Tekion Corp uses a training data generation module that maps known variations of identifiers to a predetermined service classification. The training data generation module may access the list, including mappings of frequently used service identifiers to the standardized predetermined service classifications.

Digital Lion LLC developed patented methods² for automatically building an ML model through a GUI, whereby target and independent variables are automatically identified from a multitude of possible variables. Using collected data, a first machine learning model, a generalized linear model (GLM) associated with a first link function, is built. Then a change is made to a selection of the original inputs and a second model, with at least one of a principal component regression or a Bayesian GLM, is built upon that change. The accuracy of both models is compared and the one with the better prediction accuracy of the two models is selected.

New Community Members



We are proud to announce Mettler Toledo as our newest Gold member of the alliance, well-known for manufacturing high-quality devices for measuring and analyzing in laboratories, production and retail.

We also have a new Silver Member, Allgeier (Schweiz) AG, a leading IT company in the German-speaking region, providing Data & AI, Infrastructure, Workplace, Applications and People Sourcing.

ALLGEIER

With an expanding network of brilliant minds, we all the more encourage our members to join our events and talks to harness the full benefits of our community. Like, share, and comment on our posts to keep strengthening our network – and thereby allow us to engage with your thoughts!

New Team Member



As the newly appointed Innovation Officer, Reik Leiterer is responsible for supporting the Databooster program and co-managing events including the SDS Conference, Expert Days, and Project Days. Reik will facilitate focused workshops during the ideation and challenge stages, and play an active role in community building and supporting members. We are thrilled to have Reik's technical expertise, organizational skills, and talent joining our alliance.

New Event Format

We tested our event format "Expert Days" and are pleased to confirm that it is here to stay due to popular demand. From the series of Expert Days, you can expect the following:

- Various Expert Groups meetings on the same day at the same location
- Creates organizational synergies and networking opportunities between Expert Groups
- On-site events

Upcoming events

If you especially benefited from the energy at the Expert Day, or missed out, here's your chance to engage some more! We are committed to strengthening benefits for our members by hosting strategic networking events. Look forward to the annual SDS conference as well as the regular Expert Group meetings, which are complemented with new event formats such as Expert Day and Project Day.

- March 8, 2023: [Open Innovation Databooster Webinar](#), 12:30 - 1:30 pm, online
- March 14, 2023: [Expert Day](#), 1:15 pm - 6:00 pm, Zurich

- March 16, 2023: [Industry 4.0 Workshop](#), 10:00 am - 5:00 pm, Biel/Bienne
- March 21, 2023: [Webinar “Clinical Data Reuse – Promises or Problems?”](#), 11:00 am - 12:00 am, online
- April 20, 2023: [Open Innovation Workshop “Construction & Data Science](#), 1:30 pm - 5:00 pm, Amstein & Walthert, Zurich
- May 3, 2023: [Project Day](#), 1:00 pm - 6:00 pm, TBD
- May 11, 2023, [Swiss Intelligent Energy Systems](#), 9:30 am - 12:30 pm, Bern
- May 25, 2023, [Open Thinking Zurich](#), 5:00 pm - 6:00 pm, Zurich
- June 07, 2023, [Open Innovation @Databooster Webinar](#), 12:30 - 1:30 pm, online
- June 07 - 09 2023, [2nd European Workshop on Algorithmic Fairness \(EWAf\)](#), Winterthur
- **June 22 - 23, 2023: [10th Swiss Conference on Data Science](#), 9:00 am - 6:00 pm, Zurich**
- July 06, 2023, [Open Thinking Bern](#), 5:00 pm - 6:00 pm, Bern

We look forward to welcoming you at our events!