BI trendek

Budapest BI Fórum 2022

Arató Bence
Ügyvezető, BI Consulting

Arató Bence

A BI Consulting igazgatója, két évtizedes szakmai múlttal az adattárházak, BI és analitika területén

- **Adatstratégiai tanácsadás**

  Adat- és BI stratégia kialakítása, architektúratervezés, eszközválasztási tanácsadás, pályáztatás, minőségbiztosítás, mentoring
- **Oktatás**

  A BI Akadémia vezető oktatója (DW/BI architektúrák, Big Data technológiák, adatmodellezés, adatvizualizáció). A CEU vendégtanára.
- **Publikációk**

  Az Adat.blog és a Dataviz.hu szerkesztője
- **Rendezvények**

  A Budapest BI Fórum, a Budapest Data Fórum és a Budapest ML Fórum konferenciák vezető szervezője

BI Consulting

Általános trendek

BI Consulting

Gartner Top Data and Analytics Trends for 2022

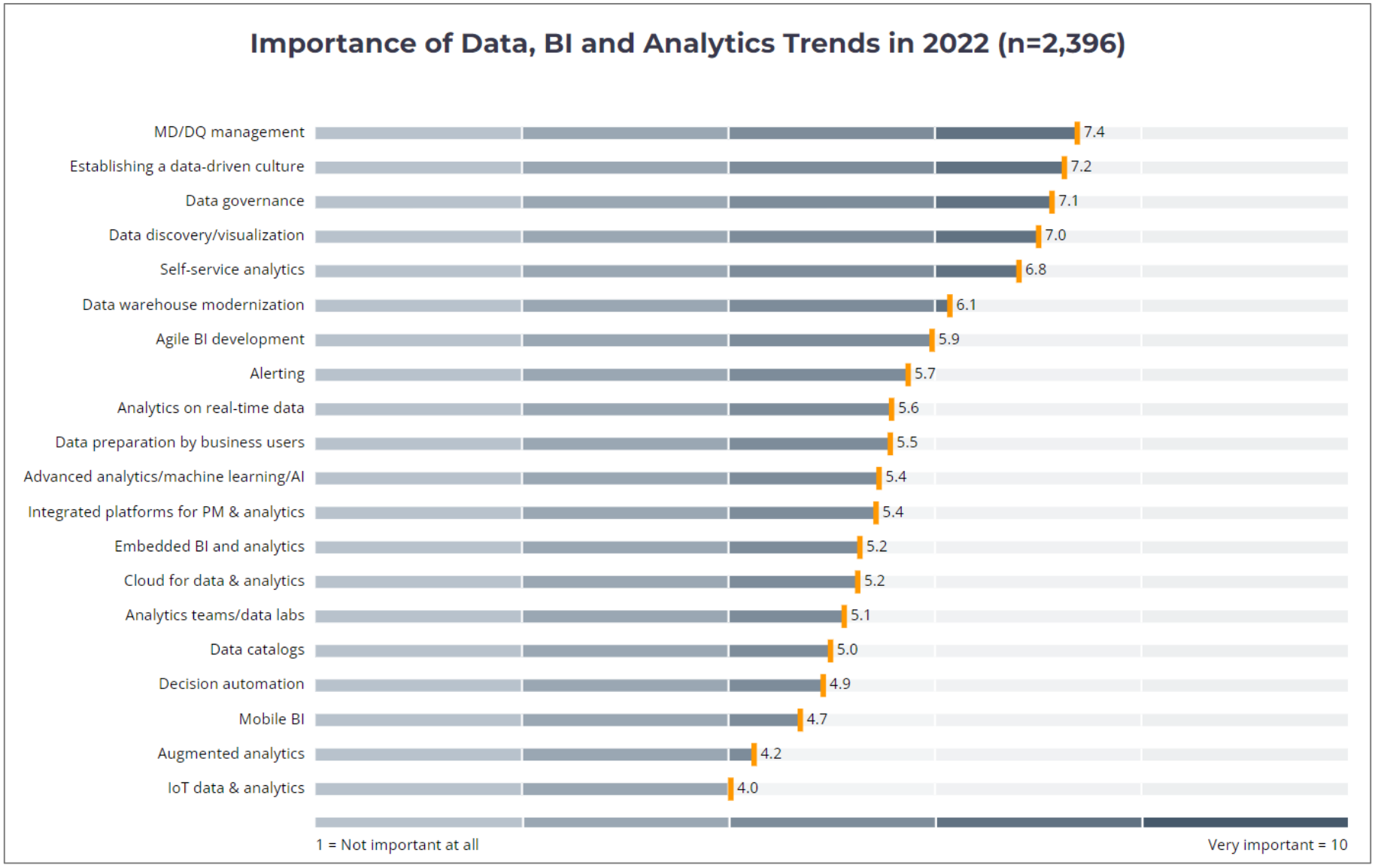
https://www.gartner.com/en/articles/12-data-and-analytics-trends-to-keep-on-your-radar

Gartner Top Data and Analytics Trends for 2022

https://www.gartner.com/en/articles/12-data-and-analytics-trends-to-keep-on-your-radar

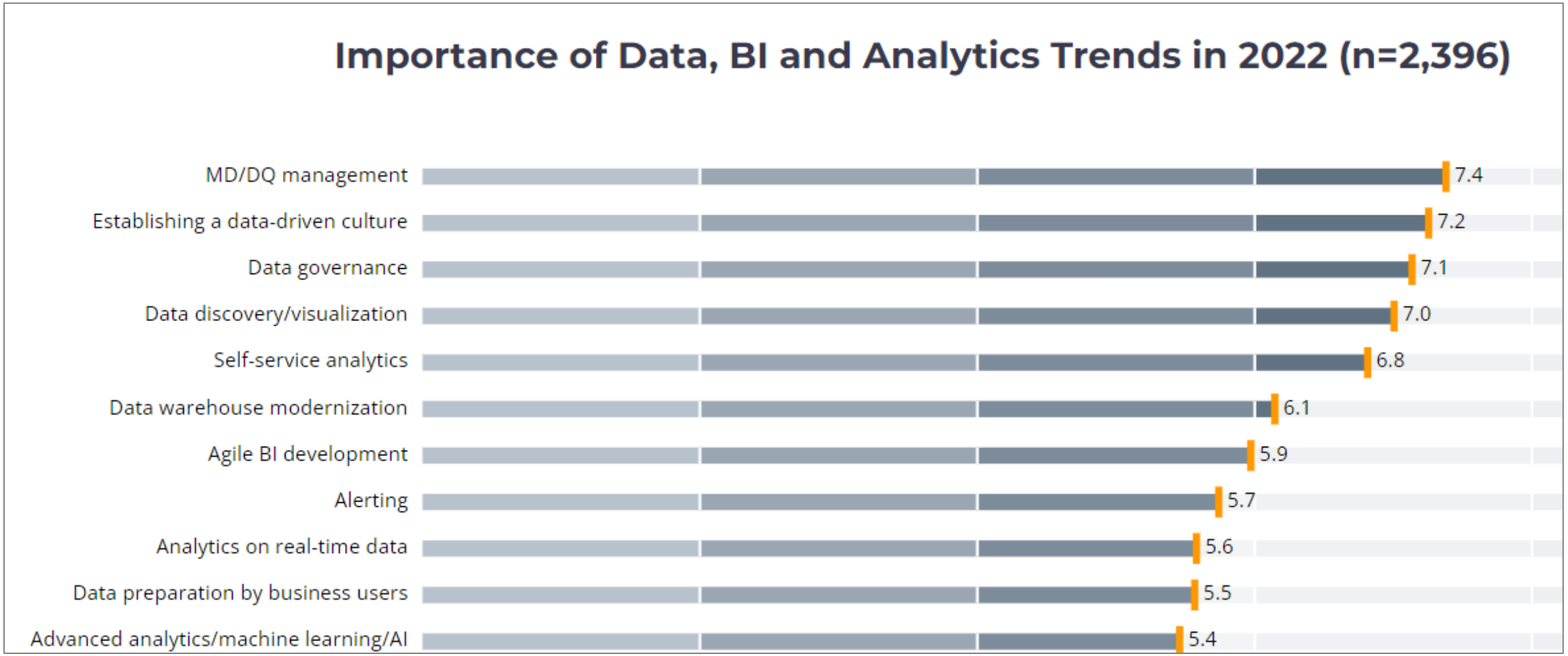
https://bi-survey.com/top-business-intelligence-trends

BARC BI Survey



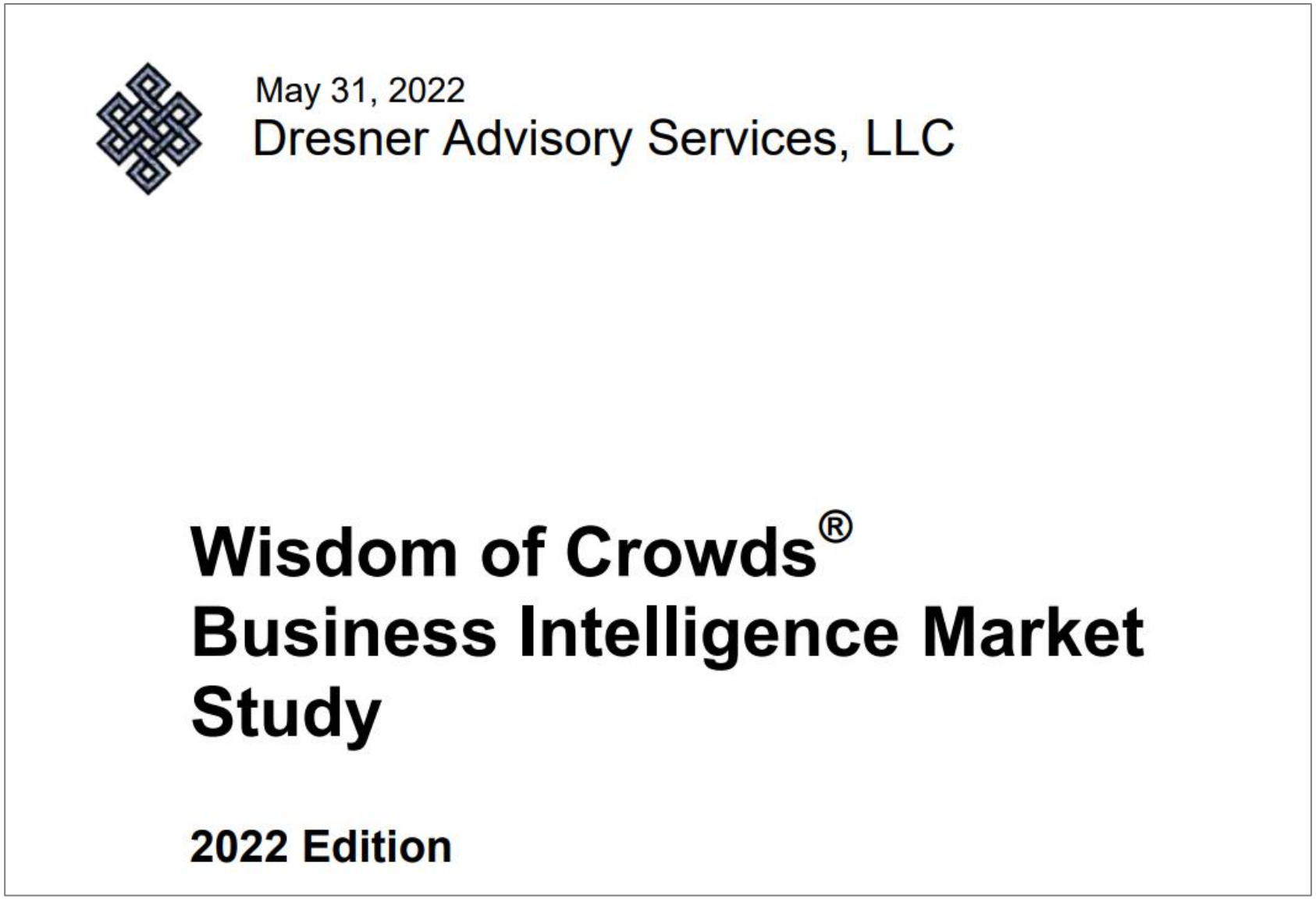
https://bi-survey.com/top-business-intelligence-trends

BARC BI Survey



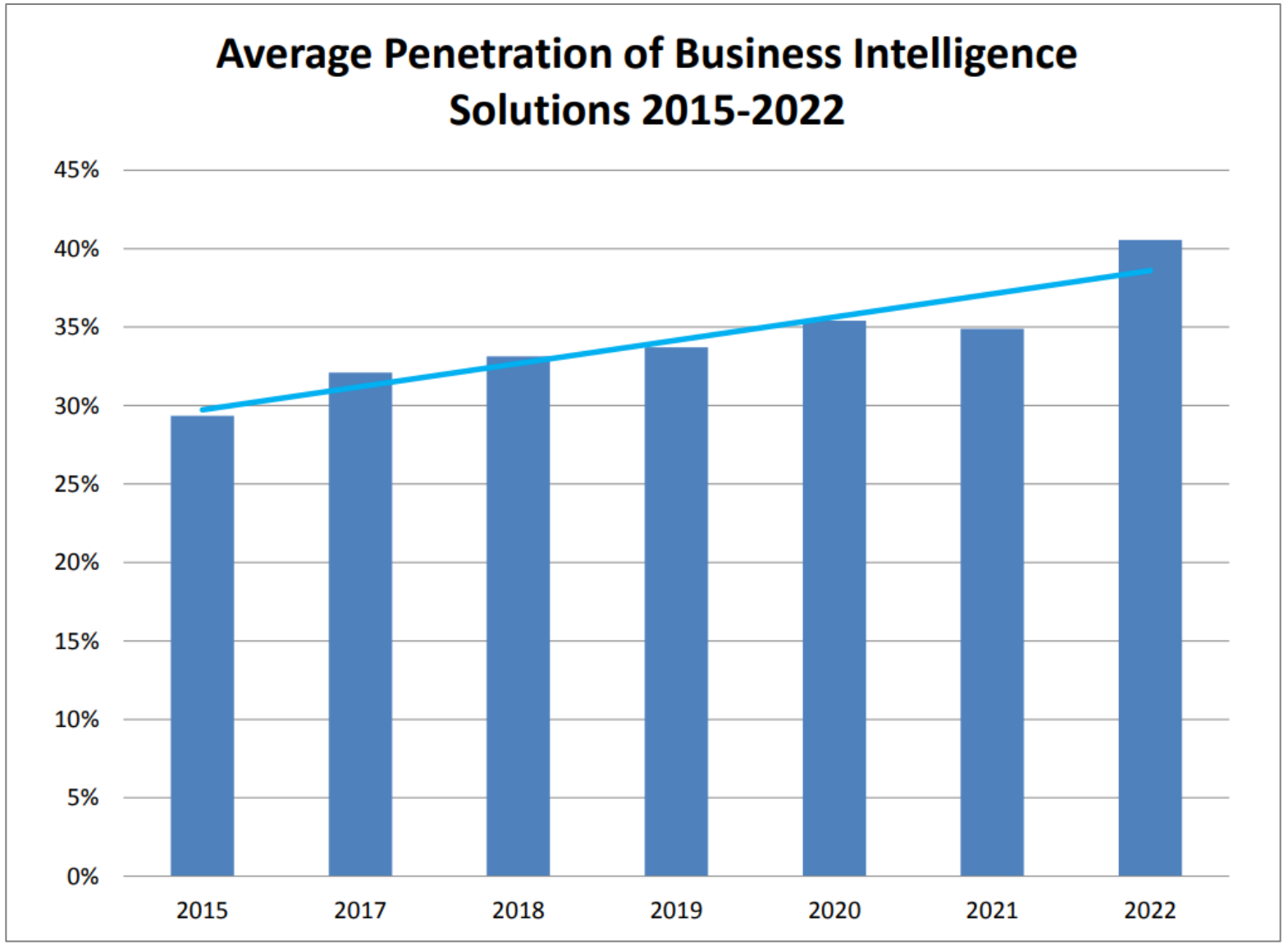
https://bi-survey.com/top-business-intelligence-trends

Dresdner Wisdom of Crowds® BI Market Study



https://dresneradvisory.com/

Dresdner Wisdom of Crowds® BI Market Study



https://dresneradvisory.com/

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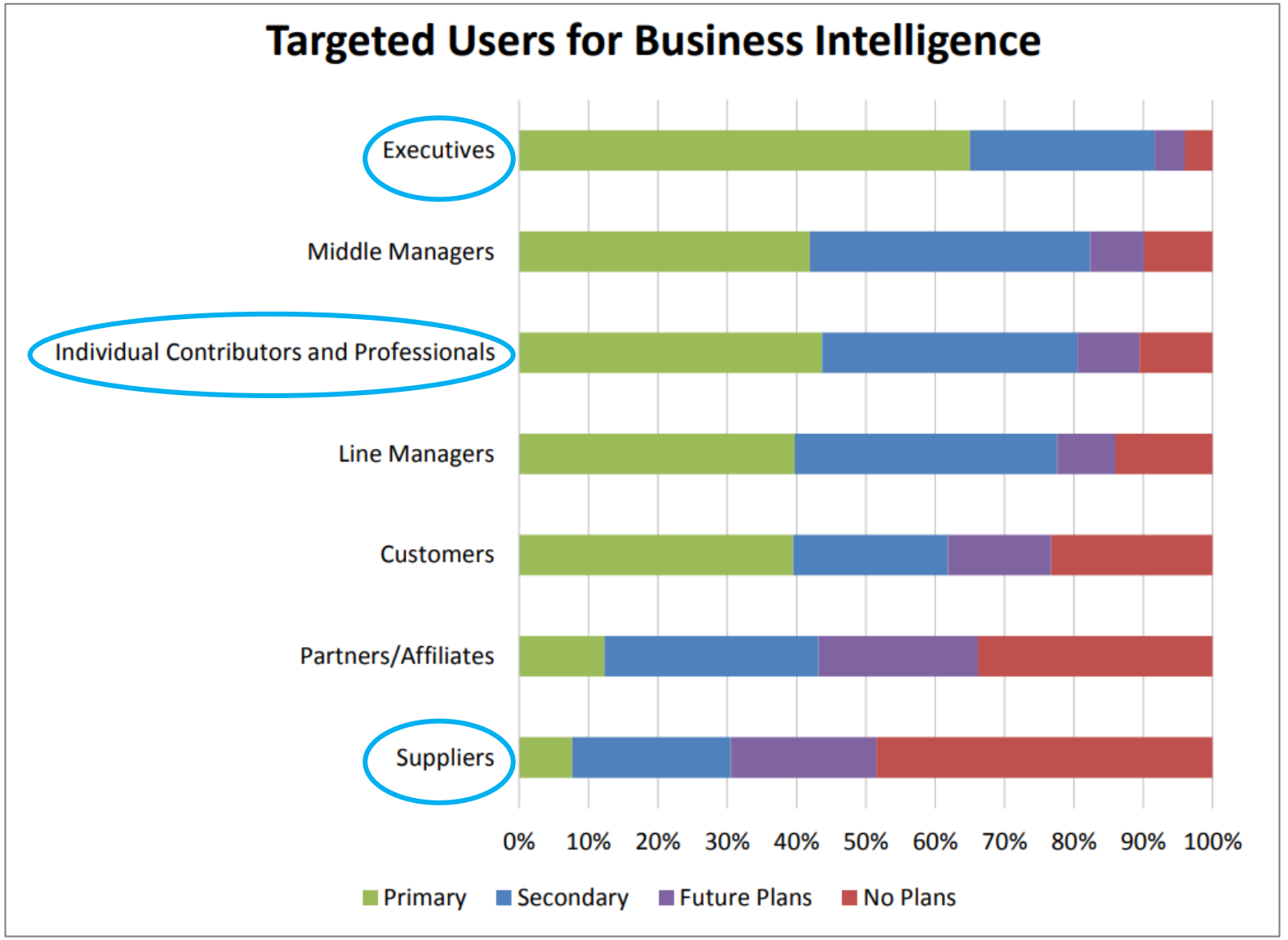
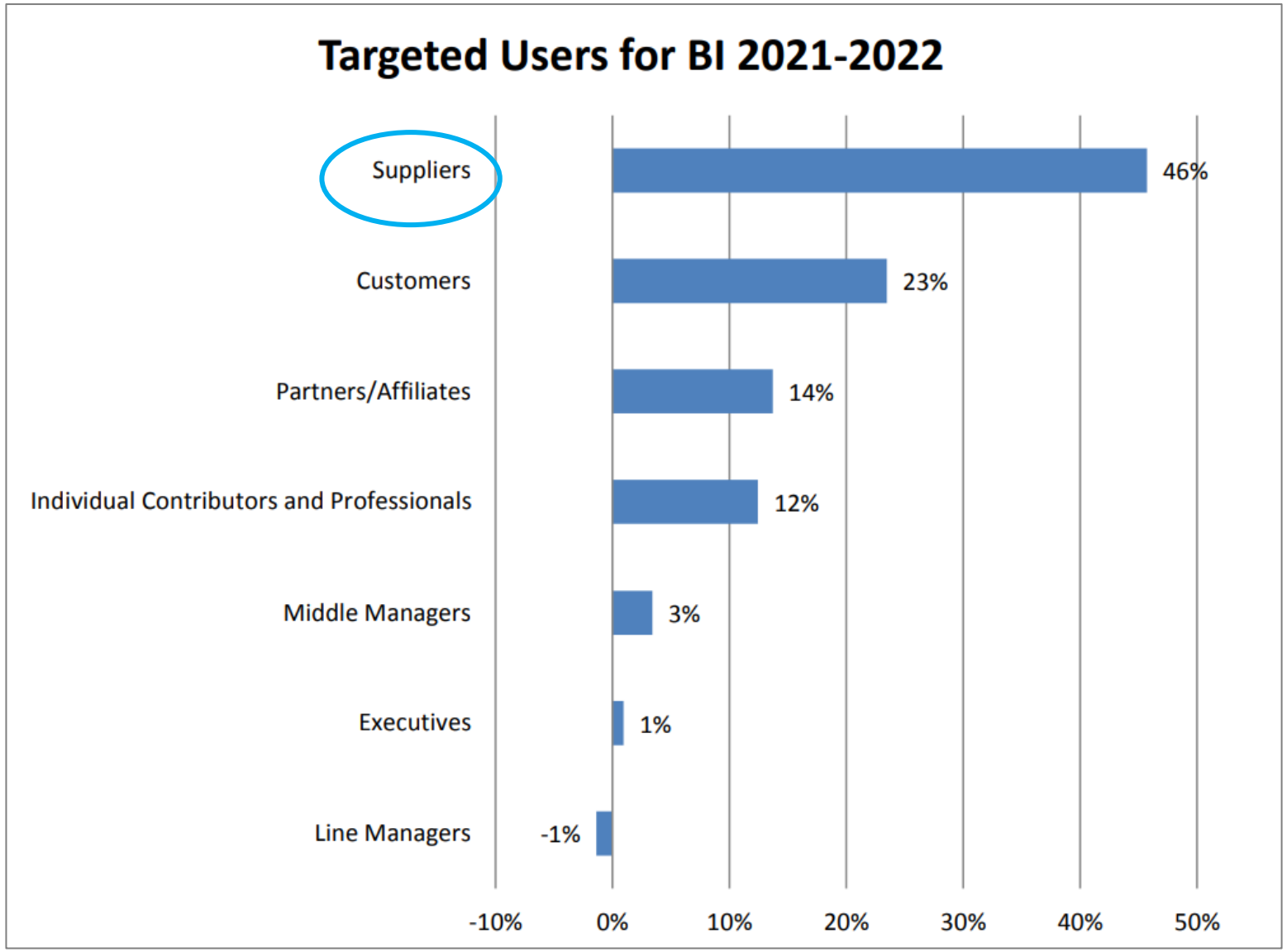


https://dresneradvisory.com/

Dresdner Wisdom of Crowds® BI Market Study

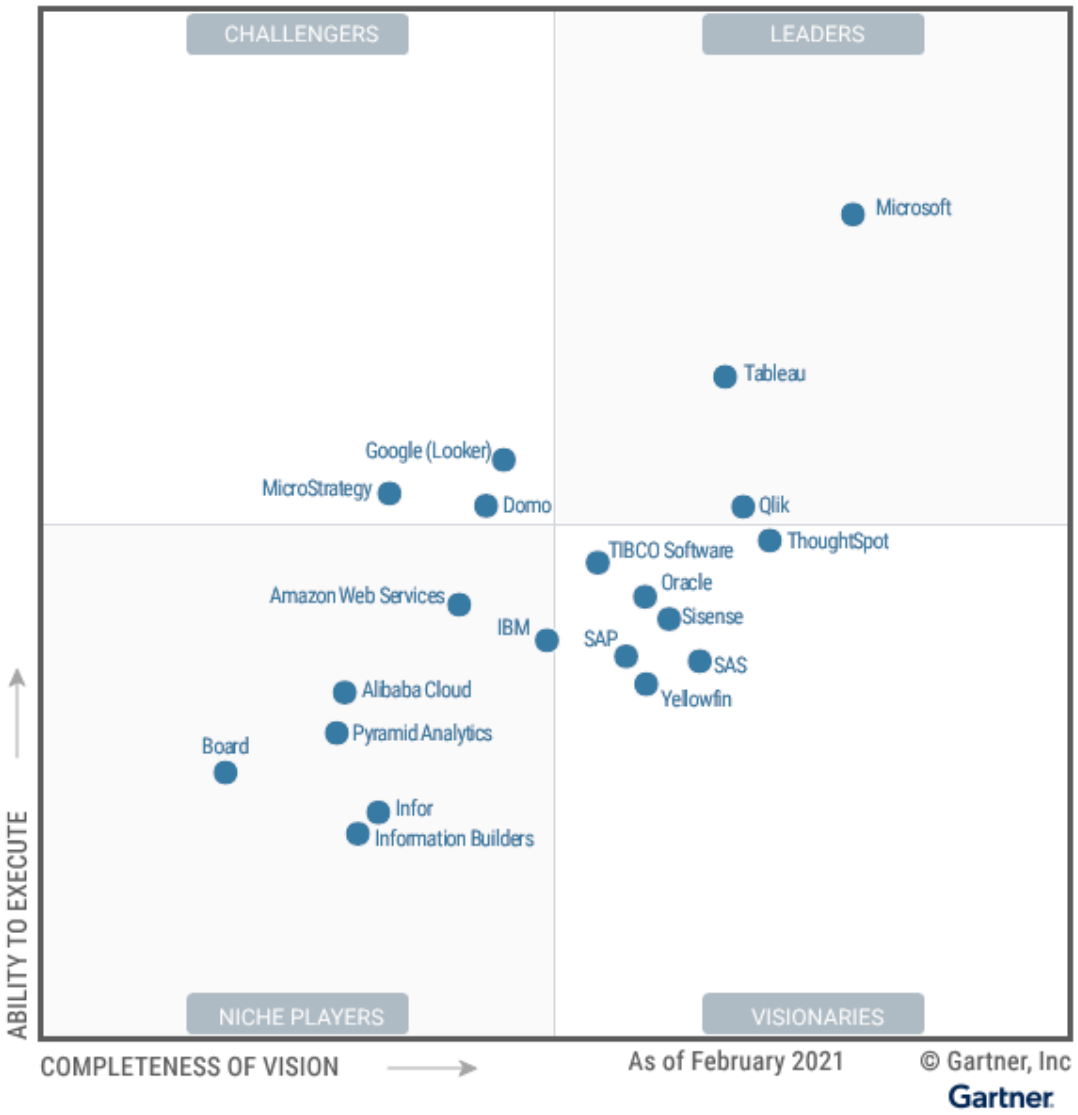


https://dresneradvisory.com/

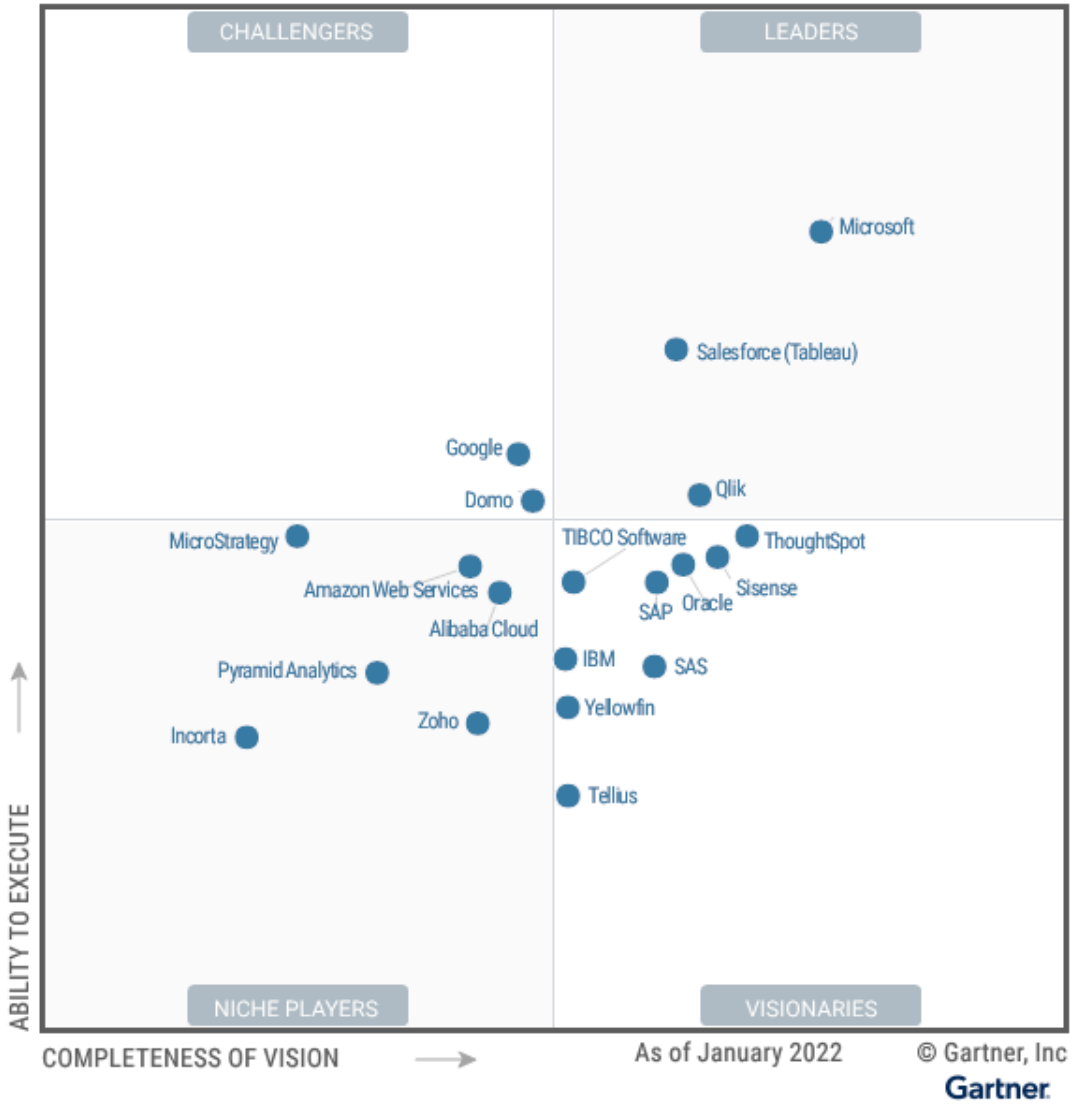
Szállítók

BI Consulting

Gartner - Magic Quadrant for Analytics and BI Platforms

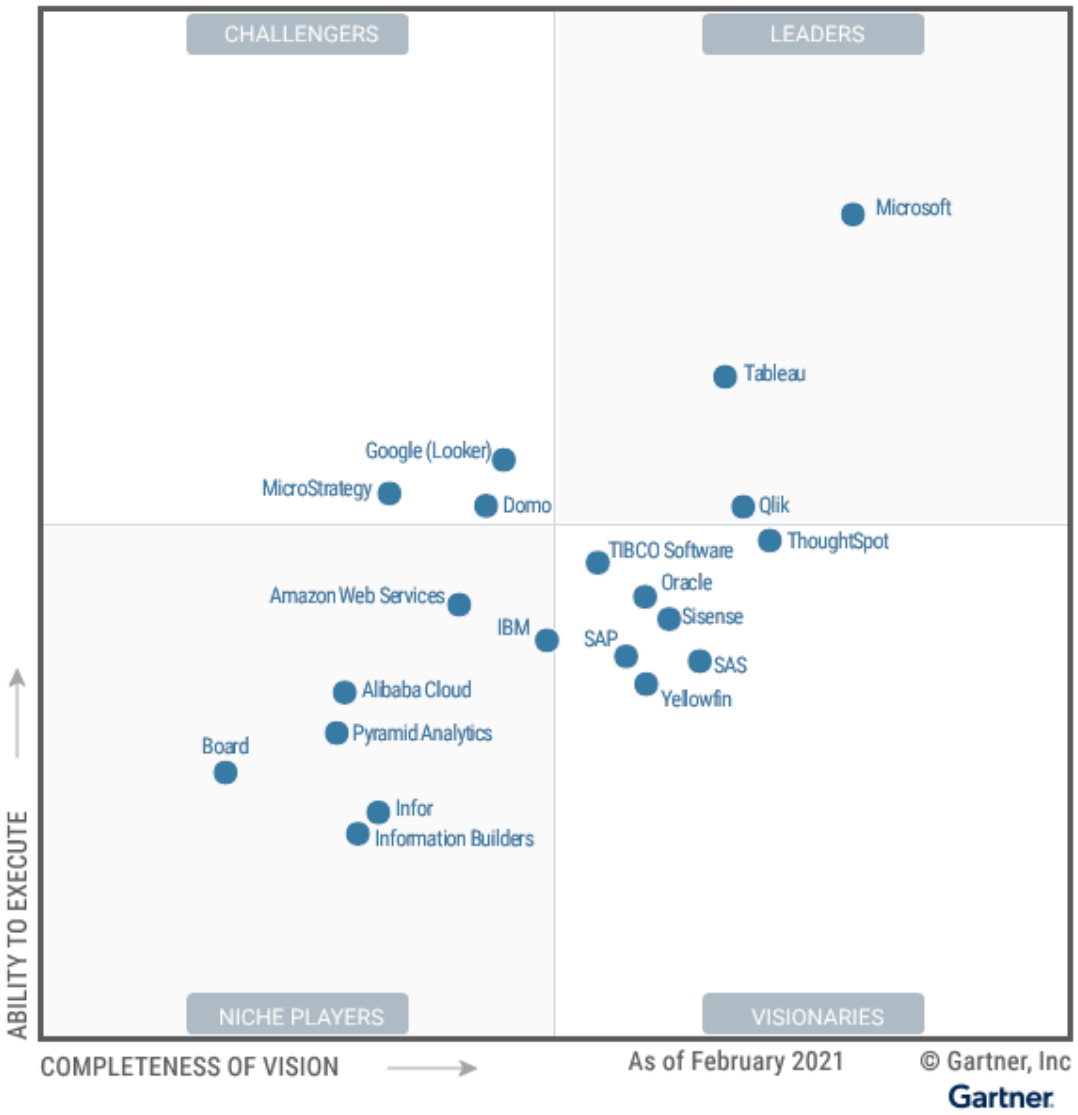


2021



2022

Gartner - Magic Quadrant for Analytics and BI Platforms



2021

2022

Gartner - Kritikus képességek (2022)

Critical Capabilities for Analytics and Business Intelligence Platforms

Published 3 May 2022 - ID G00748451 - 41 min read

By Kurt Schlegel, Rita Sallam, **and 8 more**

Data and analytics leaders should begin provisioning capabilities that support analytic consumers as well as authors. This research will help guide their choices of vendor solutions in the analytics and BI space.

Overview

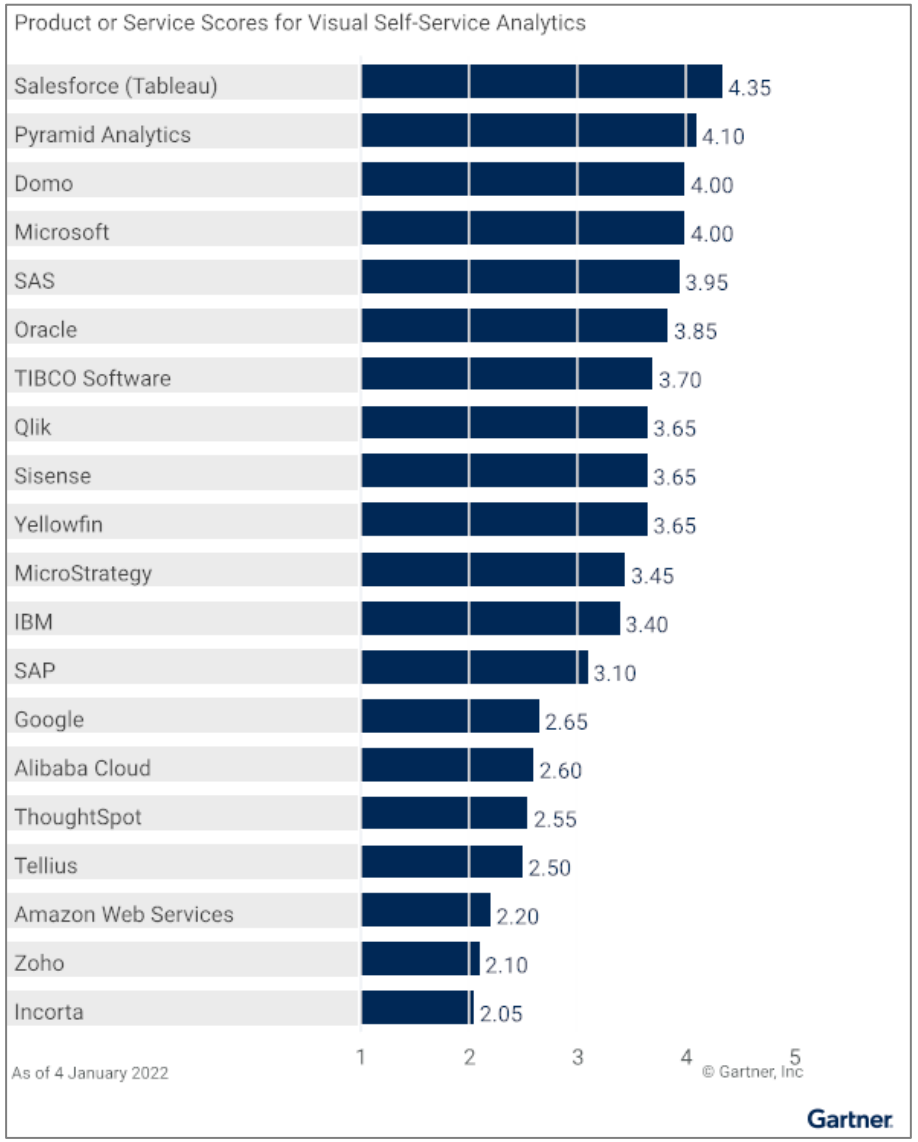
Key Findings

- Buyers often consider ecosystem (cloud, database, application) compatibility as more important than the functional differentiation of the platform. But best-of-breed features and competitive pricing are still important buying criteria.
- Data storytelling, automated insights and reporting are the most differentiated capabilities based on standard deviation of the capability scores for all 20 vendors. Data source connectivity, security and catalogs are the least differentiated.

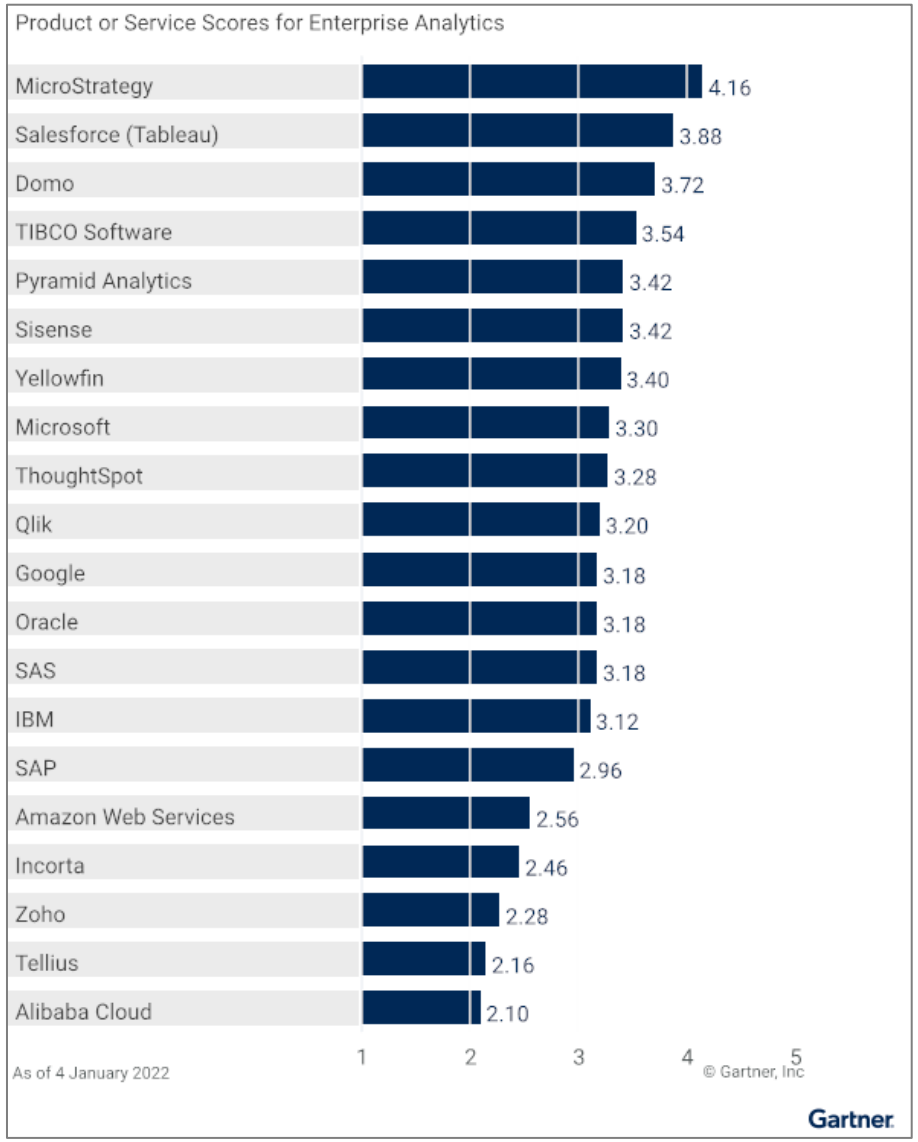
Gartner Critical Capabilities for Analytics and Business Intelligence Platforms (2022)

Gartner - Kritikus képességek (2022)

Visual Self-Service Analytics

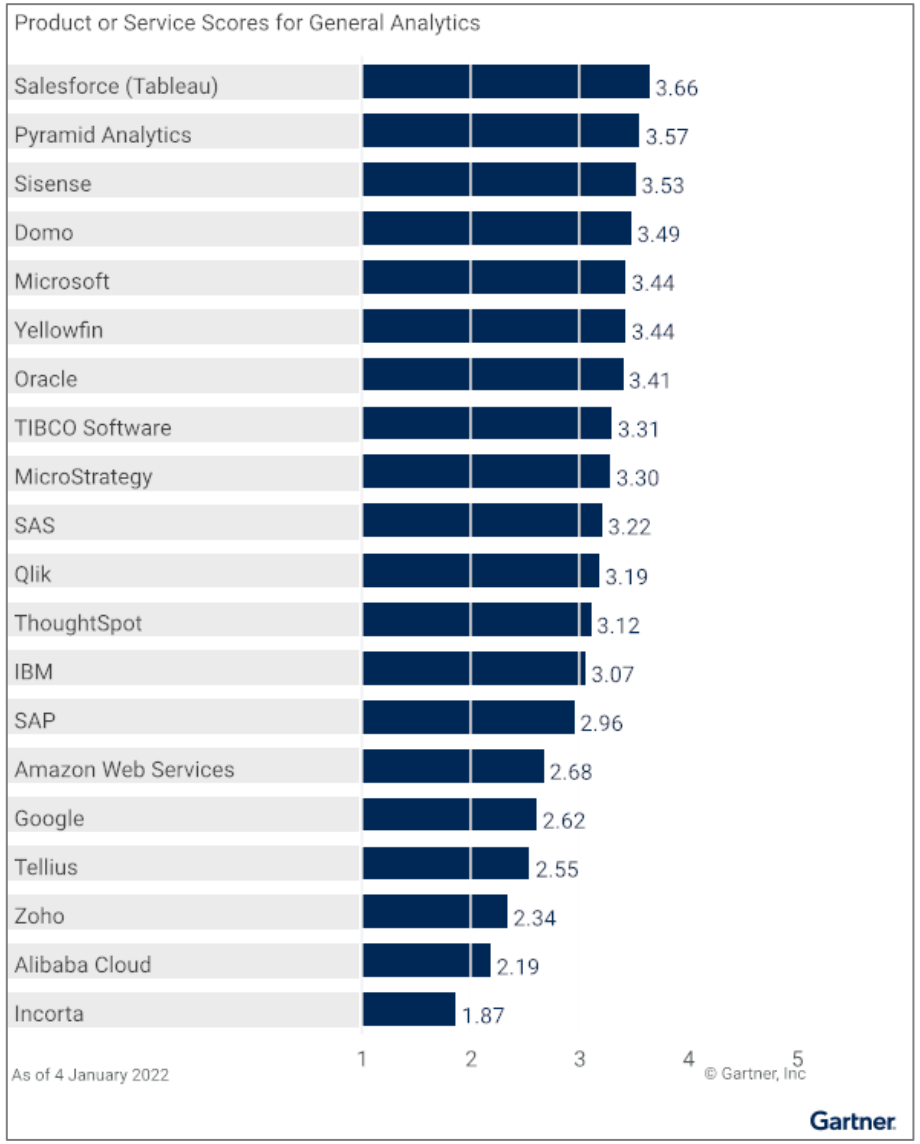


Enterprise Analytics

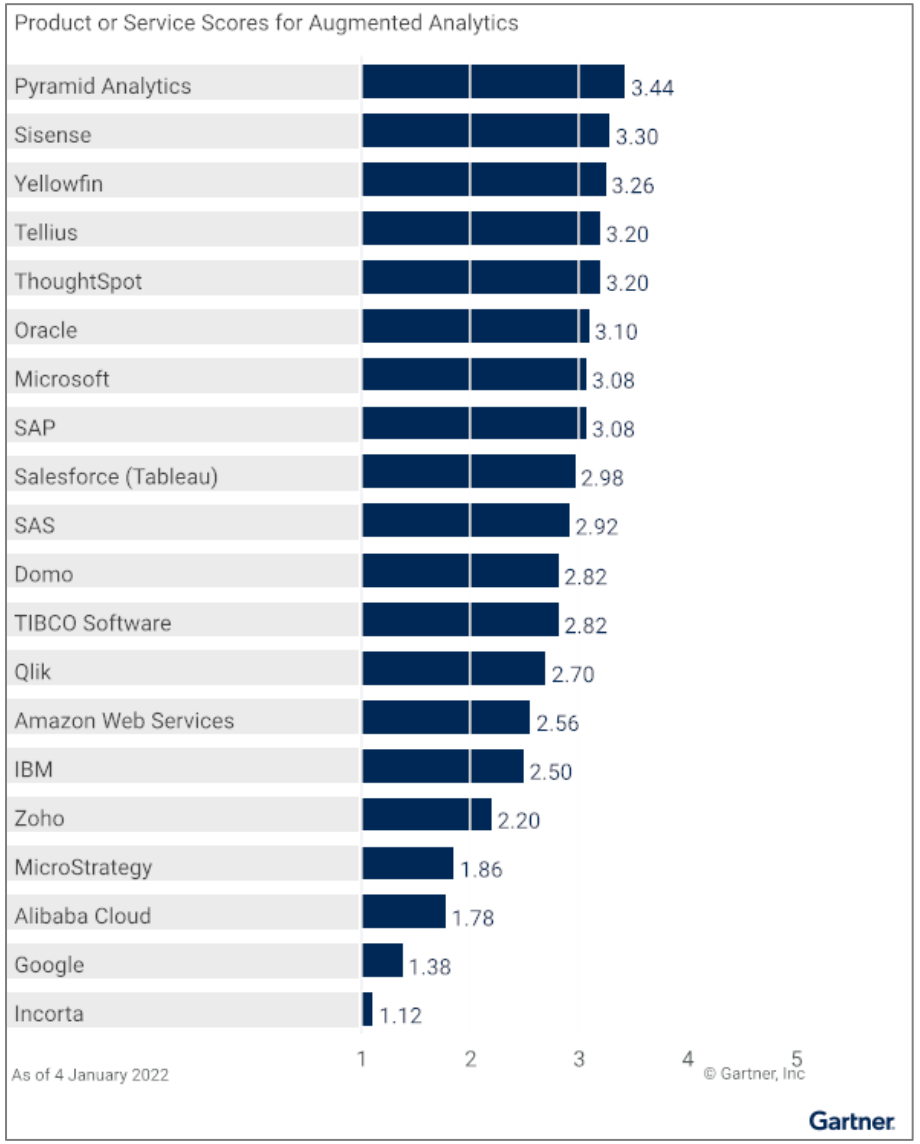


Gartner - Kritikus képességek (2022)

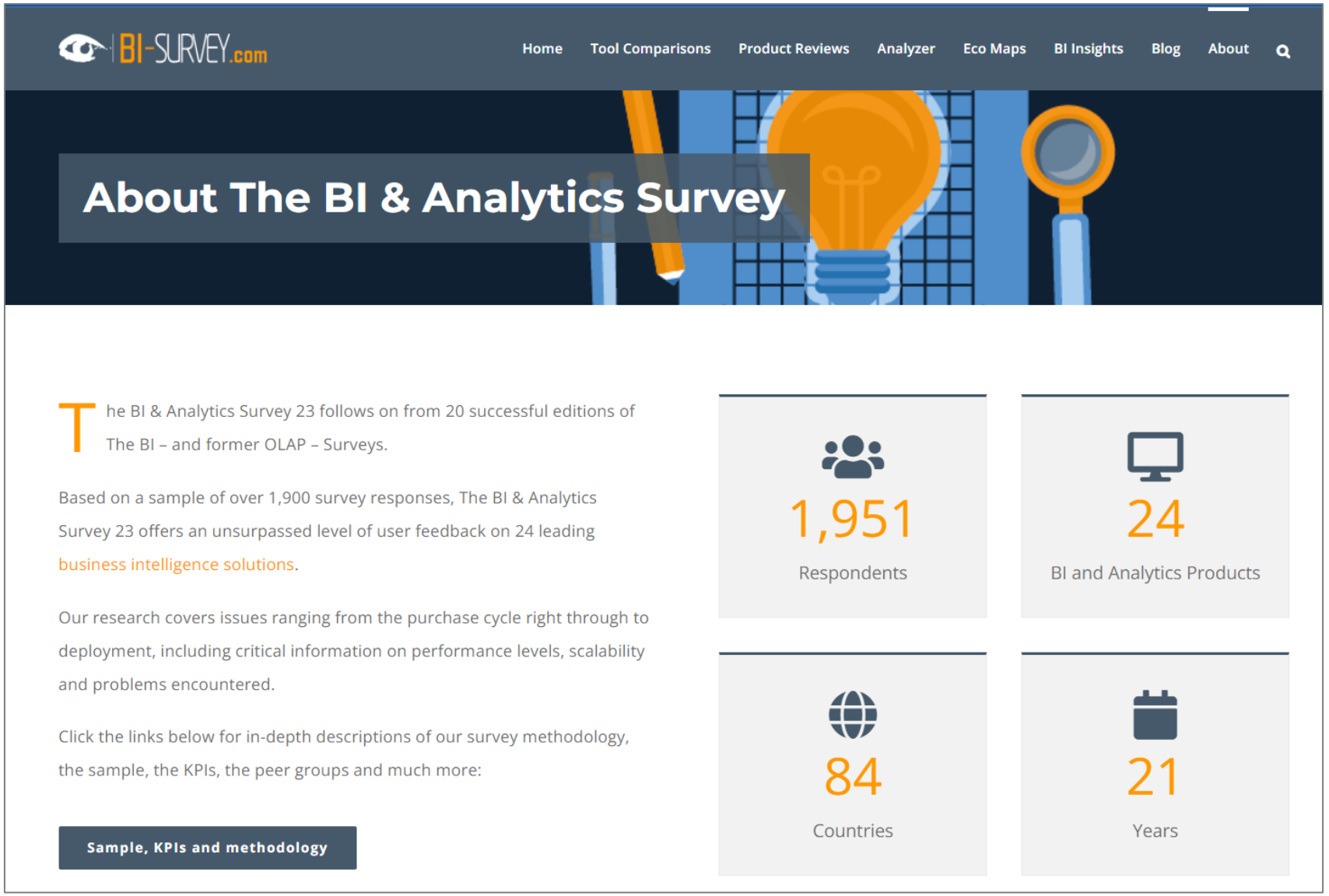
General Analytics



Augmented Analytics



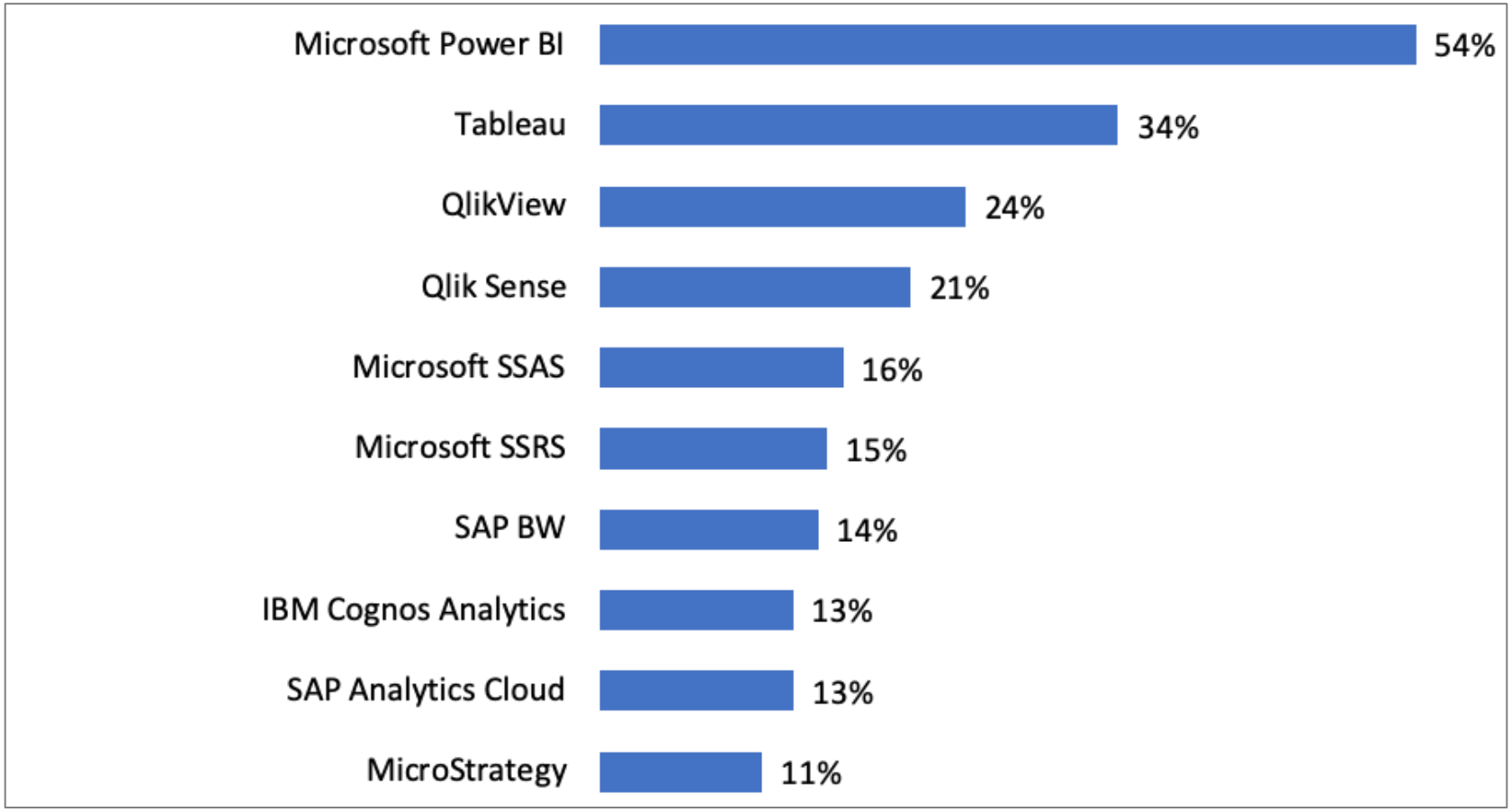
BARC BI Survey 23



https://bi-survey.com/bi-survey-about

BARC BI Survey 23

Which products has your organization evaluated? (Top 10)



https://barc-research.com/pr-bi-and-analytics-survey-23/

Akvizíciók és tőkebefektetések

BI Consulting

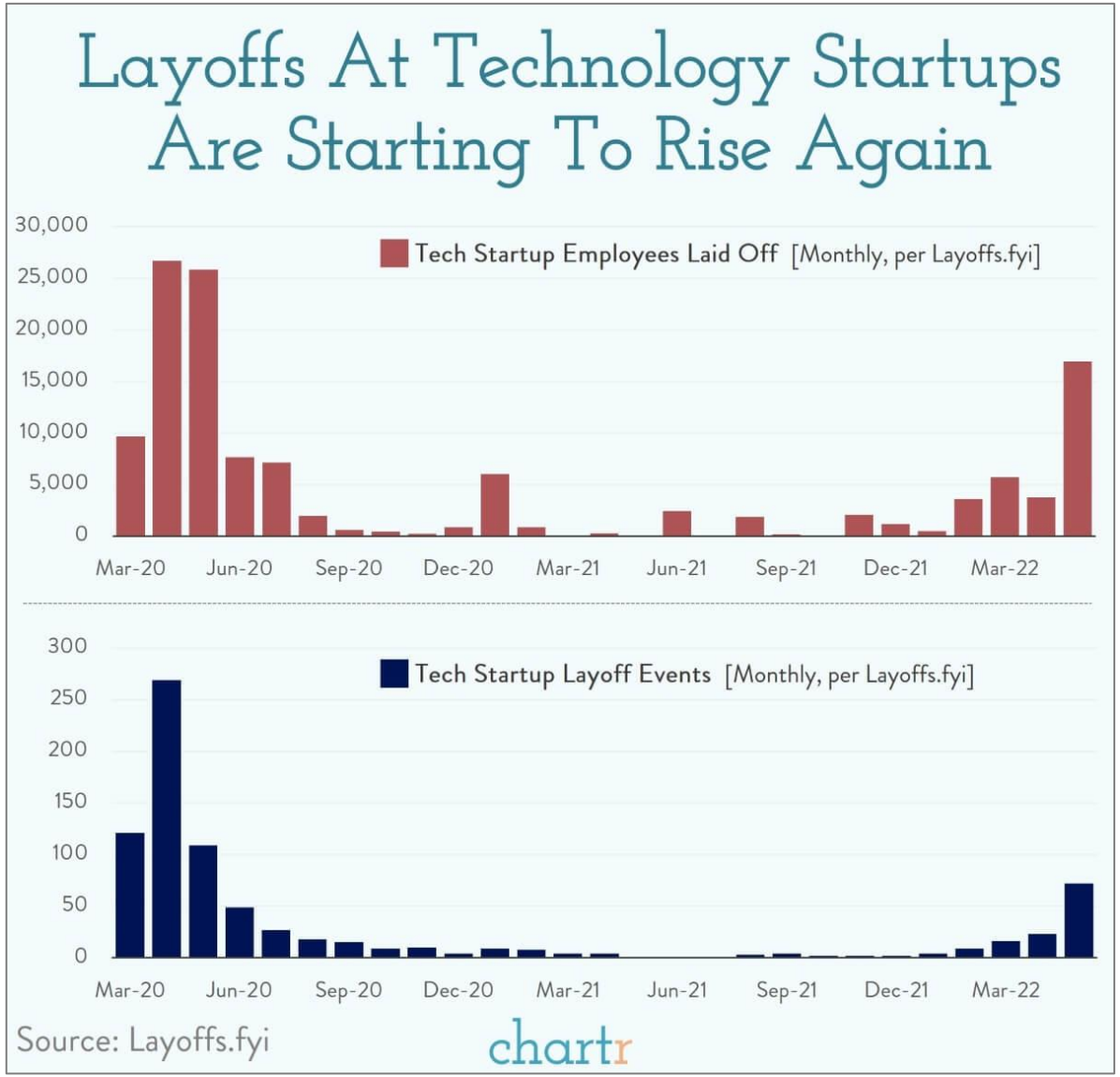
Trendek - 2021

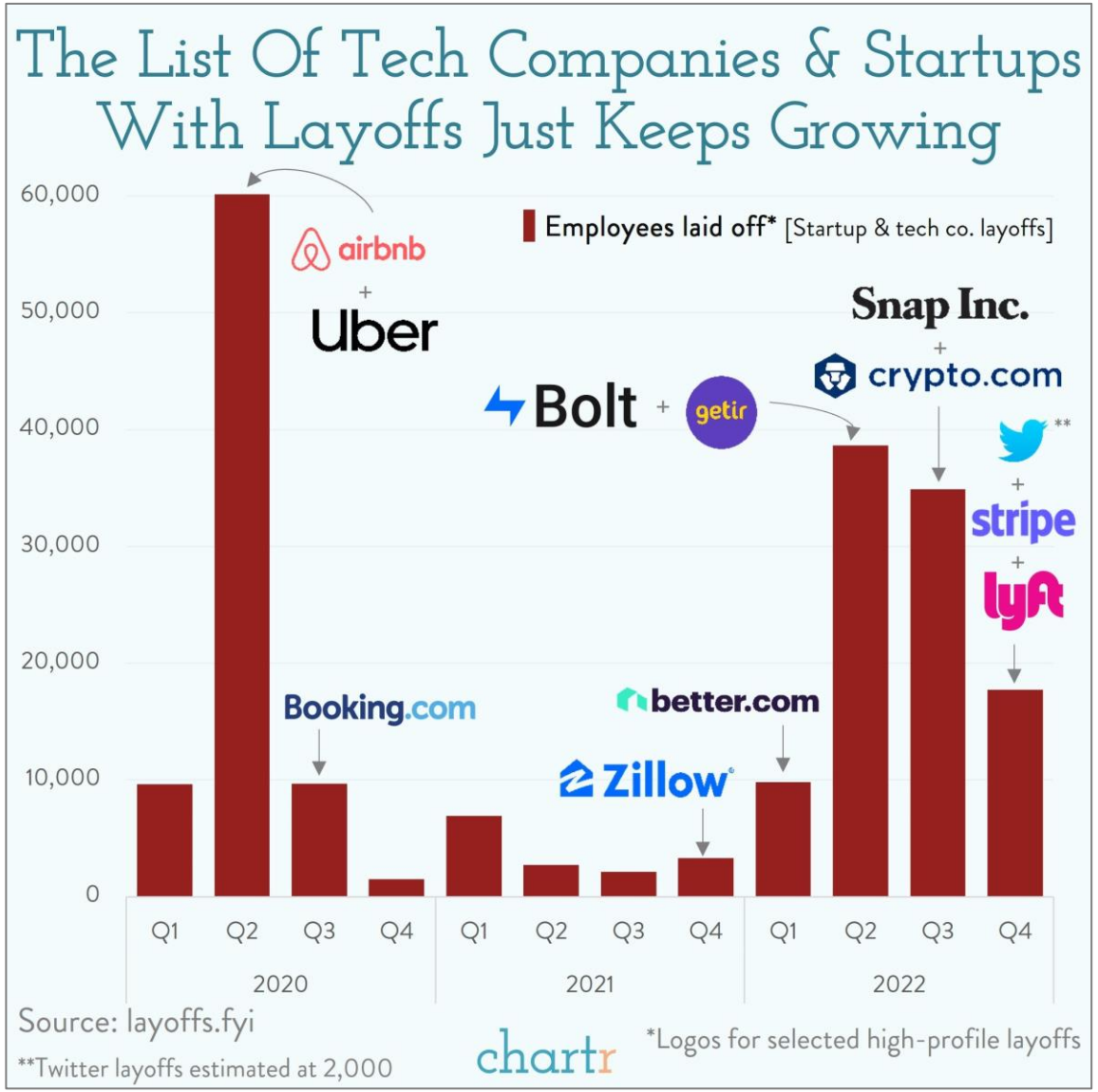
- Hatalmas forrásbőség (USA), könnyű finanszírozás
- „Snowflake” effekt
- Minden második VC pitch: „We are the open version of X (expensive enterprise software”)
- Open Source (újra) népszerűsége
  - Egyre több a jól használható open source eszköz
  - A Modern Data Stack jelentős része ilyen
- Cloud alapú új üzleti modell
  - Hagyományosan: open core + fizetős extrák, support
  - Új modell: open source szoftver + fizetős felhőszolgáltatás

Trendek - 2022

- Gazdasági helyzet
  - Recesszió, infláció, tőzsde lejtmenetben, leépítések
- Tőzsdei kibocsátások (IPO)
  - Halasztás vagy felfüggesztés a jellemző
- Felvásárlások
  - Stratégiai és taktikai felvásárlások továbbra is történnek
  - Legalábbis 2022. első félévében még történtek
- Tőkebevonások
  - Jó pályán lévő cégek továbbra is kapnak pénzt
  - De a korábbi évek bőségének vége

Gazdasági helyzet





https://read.chartr.co/newsletters/2022/11/4/layoffs-20-again

IPO

Pénzpiaci és befektetési trendek

MARKETS

The IPO market went from ‘boom to bust’ in 2022. Here’s what’s driving the massive slowdown

PUBLISHED FRI, SEP 23 2022•1:34 PM EDT

Noah Higgins-Dunn
@HIGGINSDUNN

SHARE

From the best of times, to the worst of times: The market for initial public offerings has fallen off a cliff in 2022.

Investors faced with high inflation and rising interest rates have ditched high-flying growth stocks and turned to safer, more profitable alternatives.

The decline has been striking given the record level of proceeds raised through public markets just a year prior. U.S.-listed companies raised over $155 billion in proceeds in 2021 through their initial public offerings, according to data from EY and Dealogic. In the first half of 2022, they only raised $4.8 billion.

U.S.-listed companies raised over $**155 billion** in proceeds in 2021 through their initial public offerings

In the first half of 2022, they only raised **$4.8 billion**.

https://www.cnbc.com/2022/09/23/stock-market-ipos-went-from-boom-to-bust-in-2022.html

Pénzpiaci és befektetési trendek

Why Jim Goodnight still has SAS on path to IPO

Email | Share | Share | Tweet | Share Article | Print | Order Reprints

Jim Goodnight, co-founder and CEO of SAS.

SAS Institute marches on with IPO plans despite market turmoil

...Executives from SAS Institute, an analytic software provider that employs 4,000 people at its Cary headquarters, reiterated its plans to go public in 2024.

https://www.bizjournals.com/triangle/news/2022/09/27/sas-institute-ipo-plans-economy-market-uncertainty.html

Pénzpiaci és befektetési trendek

Qlik Technologies Looks to Go Public Again

By Luisa Beltran Jan. 6, 2022 3:17 pm ET

Text size ⊖ ⊕

Thoma Bravo acquired Qlik in 2016.
Dreamstime

Qlik Technologies, a data analytics company that is backed by the private-equity firm Thoma Bravo, plans to return to public markets.

On Thursday, Qlik said it has confidentially submitted a draft registration statement to the Securities and Exchange Commission for an initial public offering. The company, based in King of Prussia, Pa., said it hasn't determined how many shares it would sell or their price range.

https://www.barrons.com/articles/qlik-ipo-thoma-bravo-51641500034

Felvásárlások

Felvásárlások

- 2019-20 során jelentős konszolidációs hullám
  - Salesforce – Tableau, Google-Looker, Tibco-Information Builders
- Azóta inkább a taktikai felvásárlások jellemzők (platformbővítés)
  - A Qlik sorozatban veszi a kisebb-nagyobb cégeket
  - A Tableau data storytelling-re specializálódott céget vett
- 2022-ben is folytatódik a konszolidáció

Felvásárlások

Yellowfin
An Idera, Inc. Company

Free Trial Pricing Contact Blog News & Media Portal

Products Evaluate Yellowfin Resources Support About Demo

Gartner Yellowfin Scores Top 3 in Augmented Analytics Use Case in 2022 Gartner Critical Capabilities for Analytics & BI Platforms. Read More

Analytics made simple.
Beautifully simple.

Transform your business or software through data.

Solve data complexity with automation, data storytelling, collaboration and beautiful action-based dashboards that are simple to use, allowing more people to see, understand and do more with their data.

Try it Now Yellowfin Walkthrough

https://www.yellowfinbi.com/

Felvásárlások

NEWS

Yellowfin acquired by B2B software specialist Idera

The formerly independent analytics vendor hopes to expand its customer base by getting acquired, while its app development tools made it attractive to its new parent company.

By **Eric Avidon,** News Writer

Published: **31 Jan 2022**

Yellowfin was acquired by Idera Inc., the parent company of 30 B2B software vendors.

Financial terms of the acquisition, finalized Jan. 28, were not disclosed.

Yellowfin, founded in 2003 and based in Melbourne, Australia, is an analytics vendor with more than 3 million end users. Its wide-ranging platform's advanced capabilities include embedded analytics, natural language processing and data storytelling.

https://www.techtarget.com/searchbusinessanalytics/news/252512728/Yellowfin-acquired-by-B2B-software-specialist-Idera

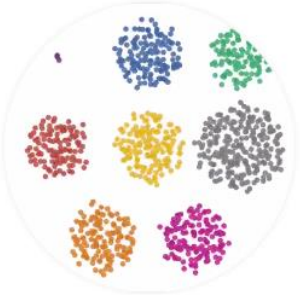
Felvásárlások

Flourish

Features Examples Pricing Sign up

ABOUT BLOG CAREERS HELP SIGN IN

Easily turn your data into stunning charts, maps and interactive stories.
View examples.

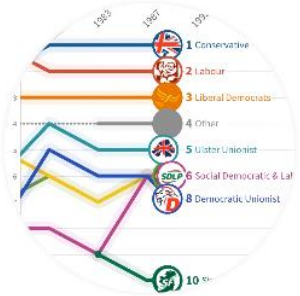


Engage your audience

Create agency-quality data graphics and animated stories that bring your data to life.

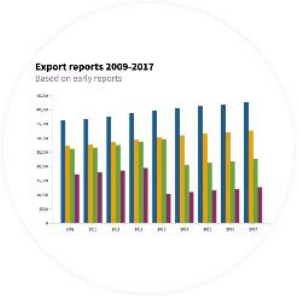
Empower the whole team

Flourish is easy enough for anyone to use. Start with a template and drop in data.



Embed, share, present

Create seamless embeds, magical presentations, or engaging content for social.



Your brand, your style

Get custom themes so everything has your logo, fonts, colours and styles.

https://flourish.studio/

Felvásárlások

Canva acquires Flourish in mission to tell better stories with data

Christine Hall @christinemhall / 3:29 PM GMT+1 • February 2, 2022

Comment

Image Credits: Canva

Canva on Wednesday said it closed on its acquisition of Flourish, a London-based data visualization startup. Financial terms of the deal were not disclosed.

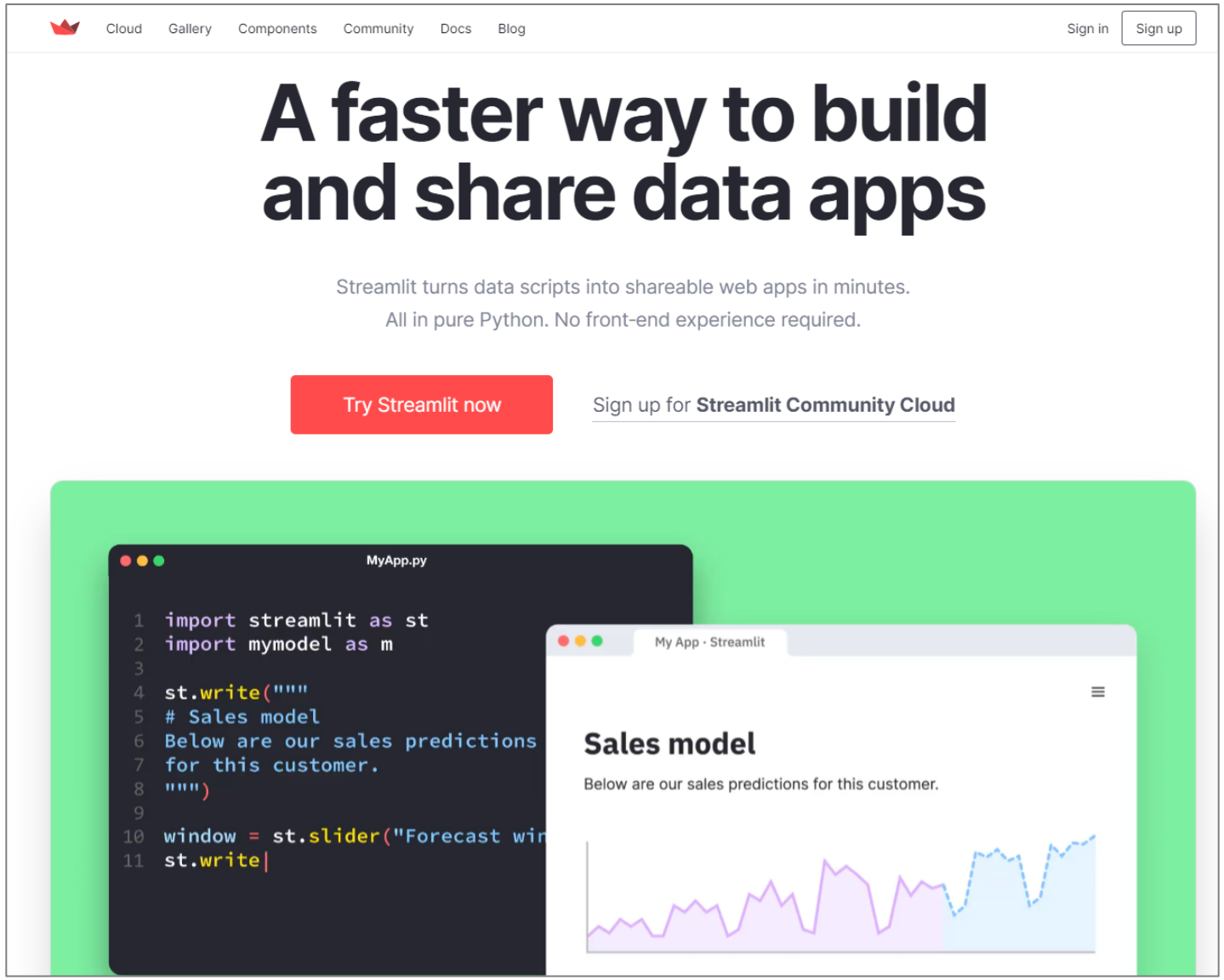
The acquisition comes as the visual communications company reached over 75 million monthly active users, up over 30 million in the past 12 months.

Flourish, founded in 2016 by Duncan Clark and Robin Houston, provides data visualization tools so that companies, like BBC, Sky, Deloitte and Moody's, can turn data points into easily digestible charts, graphs and visuals. The company, which brings over 800,000 customers into the Canva fold, raised about $1 million in venture capital, according to Crunchbase.

Cliff Obrecht, co-founder and COO of Canva, told TechCrunch that all of Flourish's 44 employees would be joining the company.

https://techcrunch.com/2022/02/02/canva-acquires-flourish-in-mission-to-tell-better-stories-with-data/

Felvásárlások



https://streamlit.io/

Felvásárlások

Snowflake acquires Streamlit for $800M to help customers build data-based apps

Ron Miller @ron_miller / 11:44 PM GMT+1 • March 2, 2022

Comment

Image Credits: TothGaborGyula / Getty Images

Snowflake helps customers store and manage oodles of data in the cloud without cloud vendor lock-in. Streamlit is a startup that developed a popular open source project for building data-based apps. Seems like a pretty good match, and today Snowflake announced it was acquiring Streamlit for $800 million.

Benoît Dageville, co-founder and president of products at Snowflake, said the company became familiar with Streamlit as customers were using it, as were people in-house, and as they talked it seemed increasingly like a good fit. “We have both the same vision — Streamlit and Snowflake — which is all about democratizing access to data. I would describe it very simply as making it super easy to interact with data,” Dageville told me.

He said that Streamlit fills in a big missing piece in the platform by allowing data scientists and others to interact with the data and build apps that bring the data to life for non-technical users. Snowflake has all the technical pieces for accessing and managing the data in the cloud, but they lacked a native data visualization piece, and that’s what they’re getting with Streamlit.

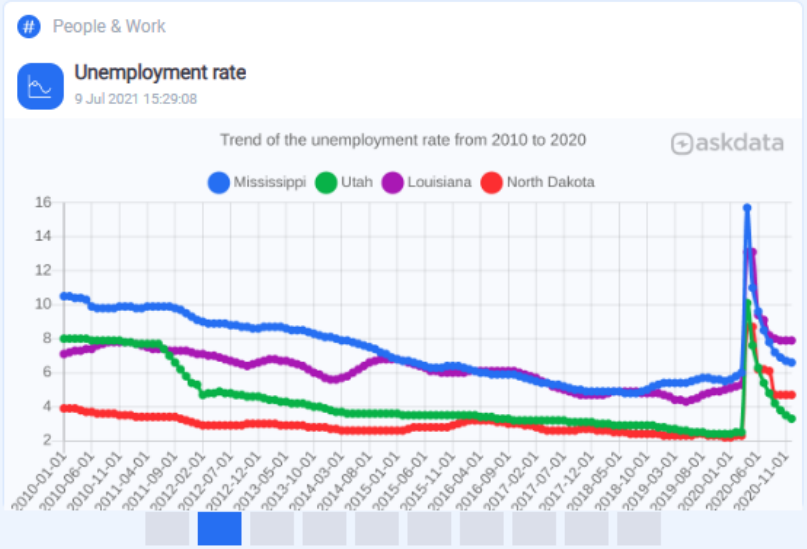
https://techcrunch.com/2022/03/02/snowflake-acquires-streamlit-for-800m-to-help-customers-build-data-based-apps/

Felvásárlások

Query, explore, and share data at ease

Askdata is the first platform that makes data interaction frictionless.

Request Demo | Learn more



Featured workspaces

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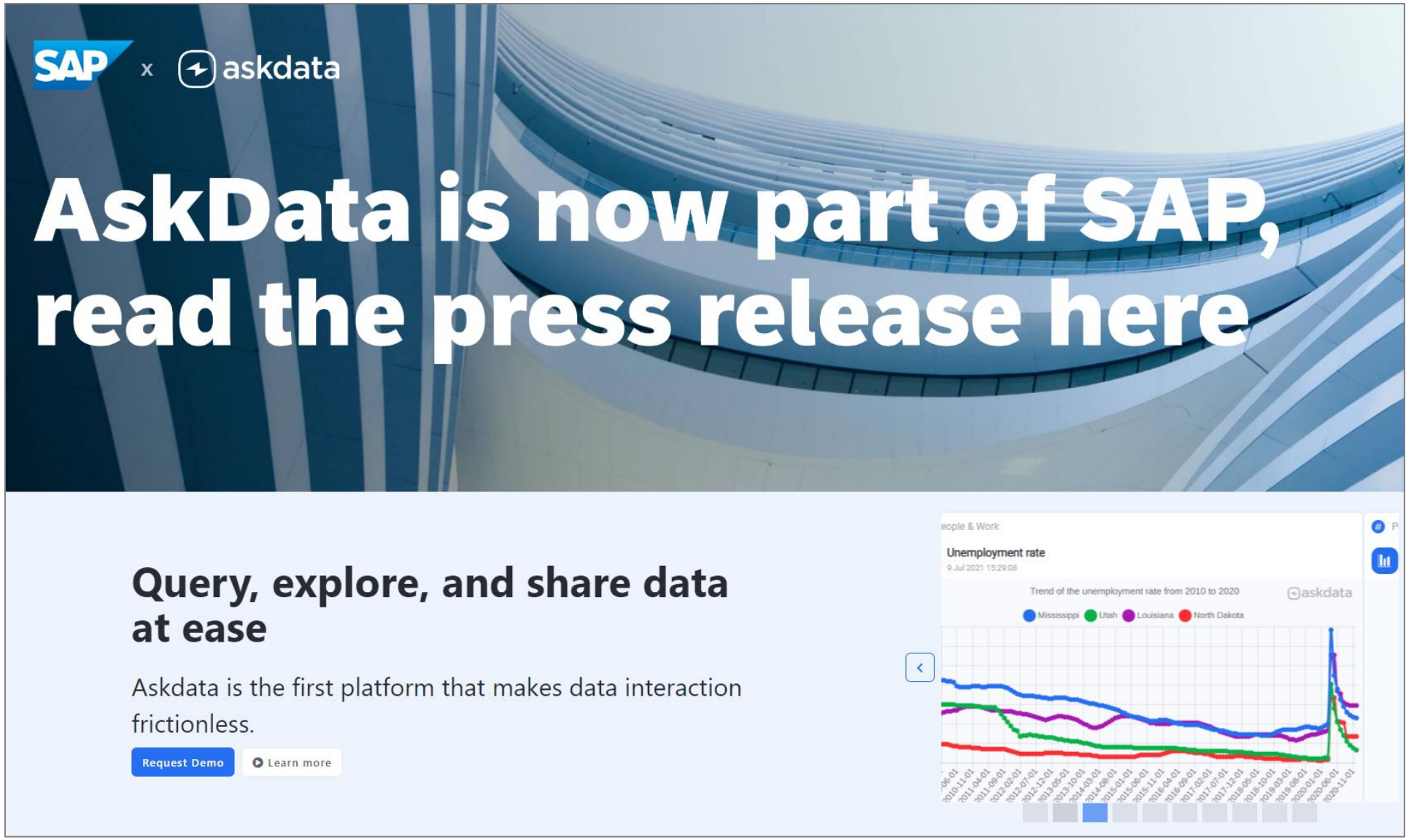
https://www.askdata.com/

Felvásárlások



https://news.sap.com/2022/07/sap-acquires-askdata/

Befektetések

Befektetések

Data collaboration startup Observable raises $35.6M funding round

BY MARIA DEUTSCHER

Observable Inc., the developer of a cloud-based platform for visualizing and analyzing data, today announced that it has raised a $35.6 million funding round led by Menlo Ventures.

The investment also included the participation of Sequoia Capital and Acrew Capital. San Francisco-based Observable has raised a total of $46.1 million in funding to date.

Observable provides a data collaboration platform of the same name that enables users to turn information into graphs and run analyses. To start a new analytics project in the startup's platform, users create a document dubbed a canvas. The canvas contains the code and data visualizations used in the project, which multiple team members can edit at the same time thanks to built-in collaborative authoring features.

https://siliconangle.com/2022/01/13/data-collaboration-startup-observable-raises-35-6m-funding-round/

Befektetések

Business intelligence and analytics firm Pyramid Analytics raises $120M

Kyle Wiggers @kyle_l_wiggers / 12:00 PM GMT+2 • May 9, 2022

Comment

Image Credits: OstapenkoOlena / Getty Images

Business intelligence is an increasingly well-funded category in the software-as-a-service market. By handling large amounts of data to analyze and benchmark lines of business, BI promises to help identify, develop and otherwise create new revenue opportunities.

Pervasive BI remains elusive, but statistics on the category reveal that about a third of employees use BI tools for analytics to inform strategy. The big data and business analytics market could be worth $684 billion by 2030, according to Valuates Reports, if such outrageously high estimates are to be believed.

The segment contains too many vendors to count — a few include Noogata, Fractal Analytics, Tredence, LatentView and Mu Sigma. But be that as it may, there's plenty of capital to go around — as evidenced by Pyramid Analytics' latest funding round. Pyramid, which bills itself as a "decision intelligence" platform, today announced that it raised $120 million in Series E financing co-led by H.I.G. Growth Partners, Clal Insurance Enterprises Holdings and General Oriental Investments at a "nearly" $1 billion valuation. Co-founder and CEO Omri Kohl said that the fresh cash will be used to expand Pyramid's global presence, hire new employees, and enhance the company's existing software products.

https://techcrunch.com/2022/05/09/business-intelligence-and-analytics-firm-pyramid-analytics-raises-100m/

Befektetések

NEWS

Accelerating Innovation: Anaconda Announces Financing for the Future

SEP 20, 2022

By Angela Pierce

As the most popular platform for Python data science, our team has always supported individual users and enterprises in their journey towards insight-based solutions. This year, we took that commitment even further with our acquisition of PythonAnywhere and our rollout of PyScript, a JavaScript framework that allows users to create Python applications in a browser. By extending the reach and accessibility of Python, PythonAnywhere and PyScript helps our industry take a giant leap toward democratizing data science—and we're proud to be part of that change.

…we are pleased to announce that Anaconda has closed up to **$60 million in new funds and accounts managed** by BlackRock….

https://www.anaconda.com/blog/accelerating-innovation-anaconda-announces-financing-for-the-future

Cégvilág

RStudio

RStudio, consider a product rebranding / name change?

R Admins | Posit Connect | branding

mbacou 1 2019-07-09

Not a question, but a remark about RStudio's current branding and positioning strategy.

In the process of establishing a new data science team and operations for a financial tech startup, I'm running into the usual DevOps/Data Science cultural divide, facing strong prejudices against R as a viable language/ecosystem for production models and client-facing solutions.

Our entire analytical infrastructure relies on (community edition) RStudio Server/Shiny Server/OpenCPU/plumber at the moment (including ETL for business intelligence), and these pieces have performed well so far -- I would only concede that Shiny does not come with standard drilldown/through widgets out of the box, and is not (yet?) a replacement for a BI-centric tool.

Nonetheless after a review of collaborative data science platforms (incl. Domino, Knime, Cloudera, Dataiku, DataRobot, etc.) RStudio Server/Connect did not even make the 1st cut (even though the majority of these platforms actually include RStudio Server). The only

https://community.rstudio.com/t/rstudio-consider-a-product-rebranding-name-change/34917

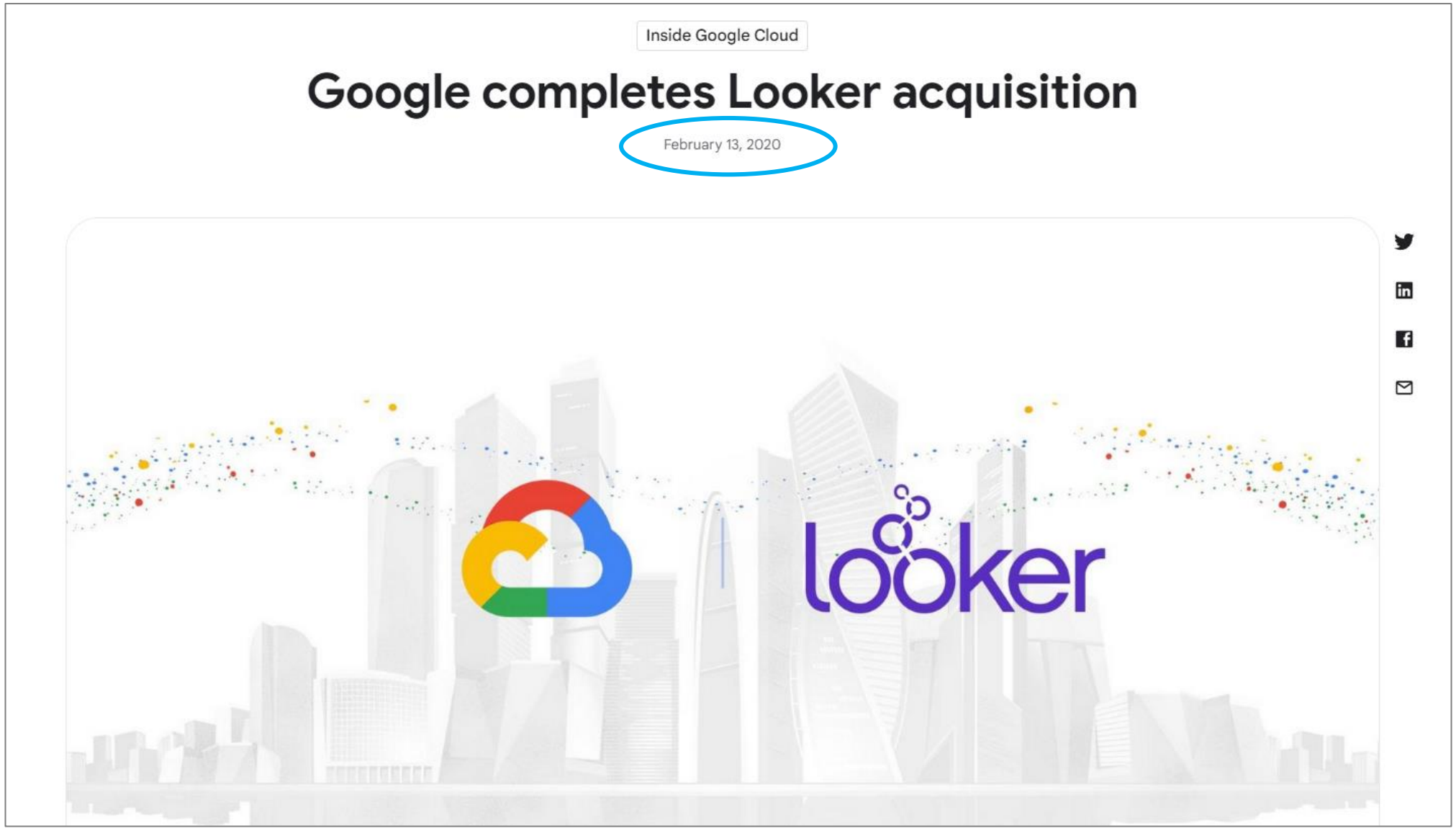
RStudio

RStudio is now Posit!

11/02/2022

https://posit.co/blog/rstudio-is-now-posit/

Google



https://cloud.google.com/blog/topics/inside-google-cloud/google-completes-looker-acquisition

Data Analytics

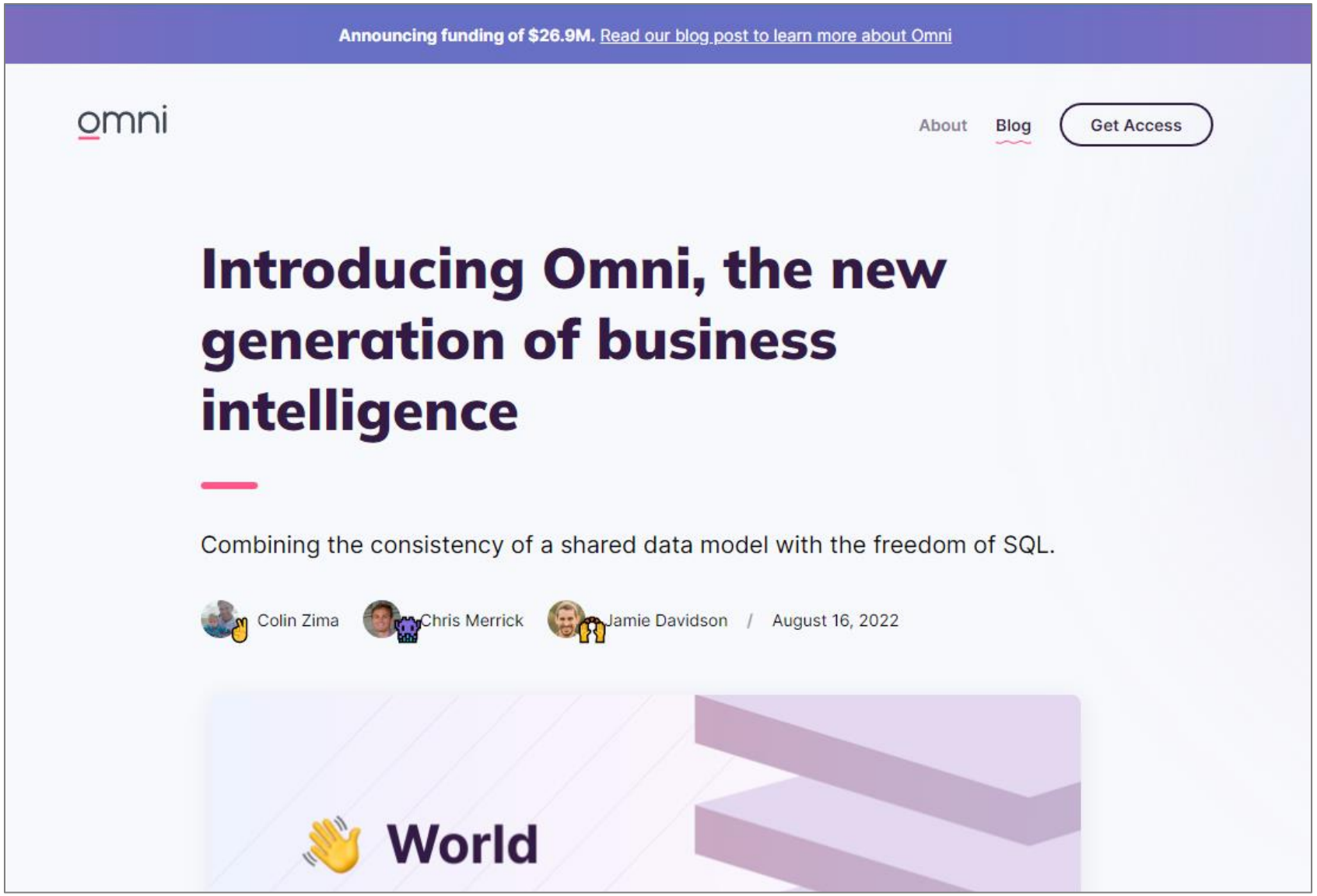
Introducing the next evolution of Looker, your unified business intelligence platform

October 11, 2022

Today, we are **unifying our business intelligence product family under the Looker umbrella**. Looker is the name you'll hear us use when talking about our Google Cloud business intelligence products, as we bring together Looker, Data Studio, and core Google technologies like artificial intelligence (AI) and machine learning (ML). And starting today, **Data Studio is now Looker Studio**. With this complete enterprise business intelligence suite, we will help you go beyond dashboards and infuse your workflows and applications with the intelligence needed to help make data-driven decisions.

https://cloud.google.com/blog/products/data-analytics/looker-next-evolution-business-intelligence-data-studio

Omni



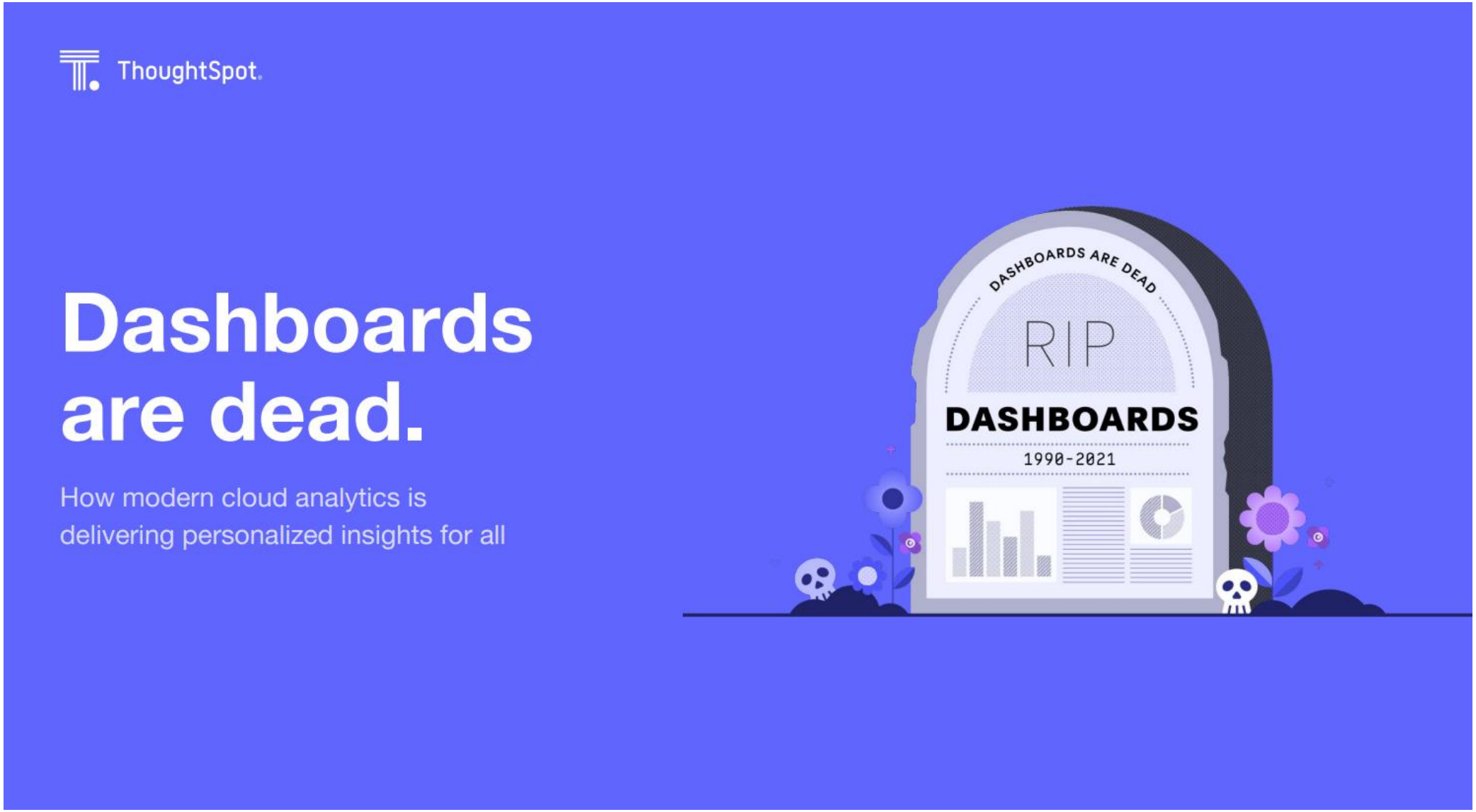
https://www.exploreomni.com/blog/introducing-omni

Tech trendek

BI Consulting

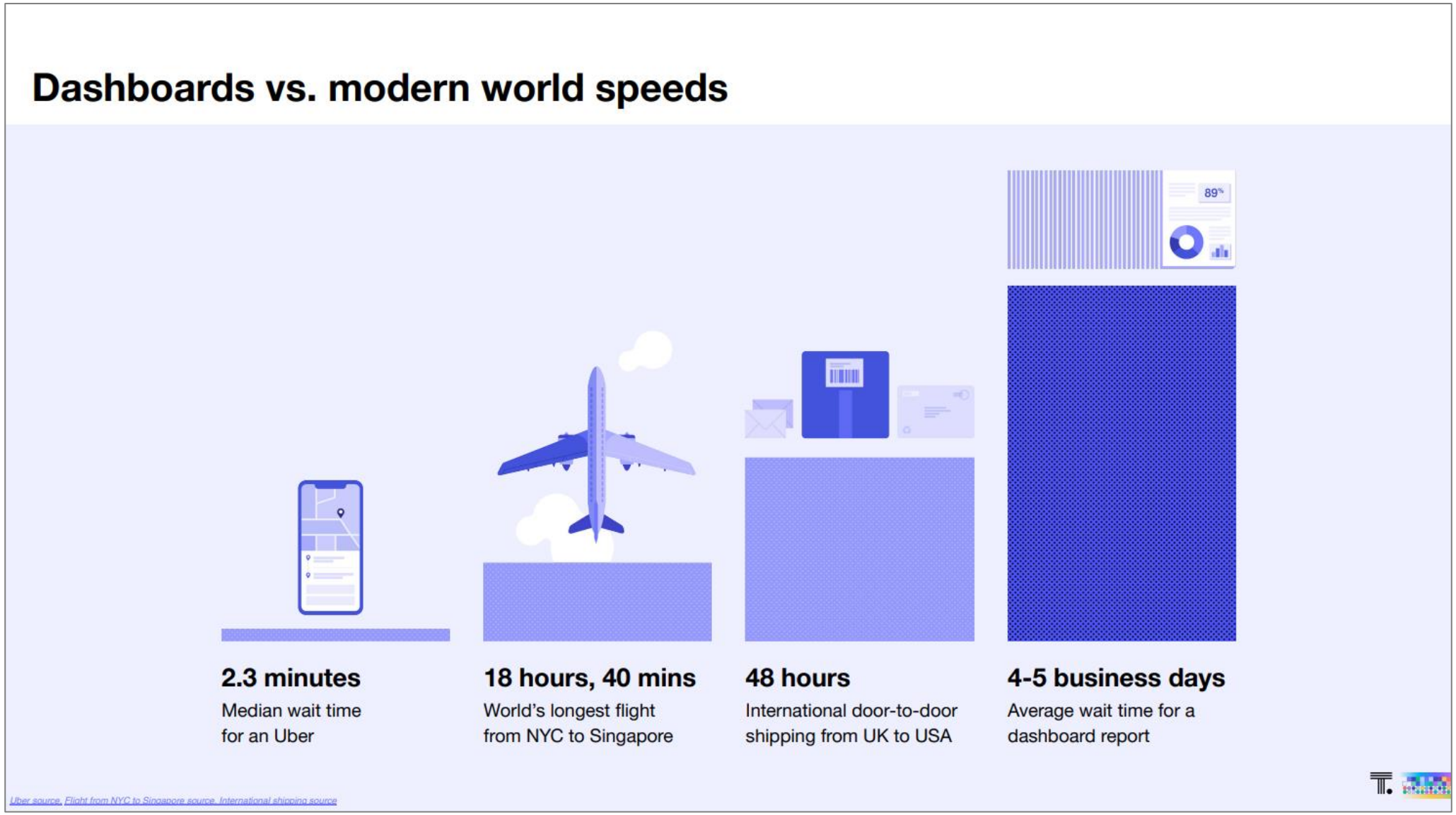
Dashboards

A dashboard halála (2021)



https://www.slideshare.net/Dataversity/death-of-the-dashboard

A dashboard halála (2021)



https://www.slideshare.net/Dataversity/death-of-the-dashboard

Dashboard as code

CASE STUDIES

Delivering Dashboards as Code: An Illustrative Case Study Using dbt and Preset

Shreesham Mukherjee August 01, 2022

Subscribe

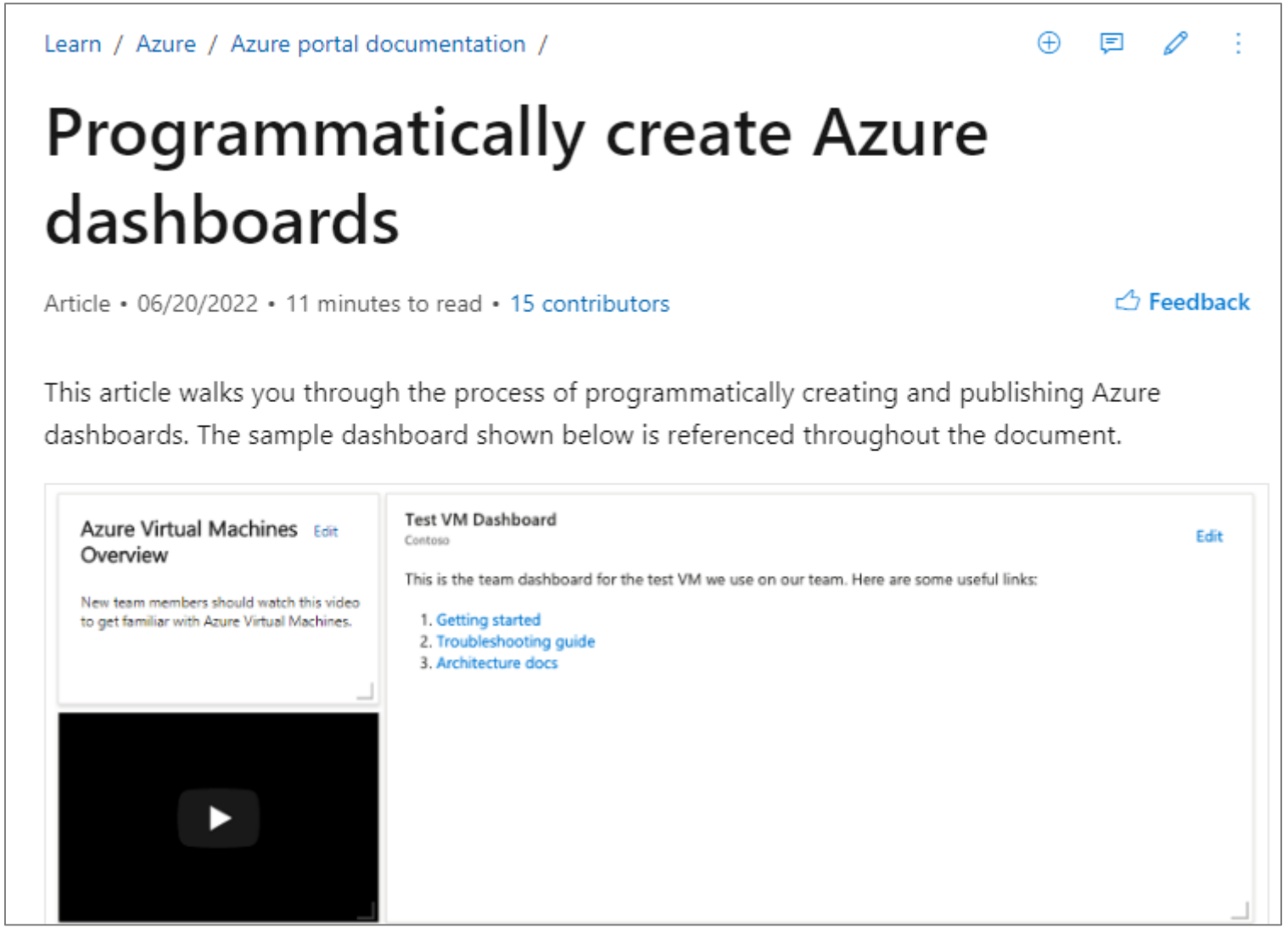
Preset offers a rich UI from which you can manage your databases, datasets, charts, dashboards, and more, allowing technical and non-technical users to build assets and find the answers they need. There are times when you need more control over these assets — you want to manage them as code so you can benefit from version control systems, code review, continuous deployments, and more.

In a series of recent posts, our engineer Beto Dealmeida showcased the workflow of managing Superset database connections, datasets, charts, and dashboards as code:

- Managing Apache Superset Assets as Code with Preset
- Creating Custom Assets in Apache Superset Programmatically Using Preset
- dbt and Preset

https://preset.io/blog/dashboards-code-dbt-preset/

Dashboard as code



https://preset.io/blog/dashboards-code-dbt-preset/

Semantic layer

Headless BI (2021)

- A probléma: a különböző üzleti metrikák számítására és szolgáltatására nincs egységes, központi forrás
- Pedig metrikák egyre több helyen kellenek
  - BI szoftverekben (jellemzően több is van)
  - Data Science környezetekben
  - Operatív rendszerekben (API hozzáférés)
- Kialakul a mocsár, mindenki magának definiálja a metrikát
- A megoldás: „Headless BI” megoldások
  - Vizualizációs képességek nélküli BI szoftver
  - Más néven Metric Store vagy Metrics Layer

Headless BI (2021)

The future of BI is Headless

ZD Follow

Mar 19 · 5 min read

I work for GoodData and have been focused on multi-tenant analytics for more than a decade. By multi-tenant analytics, I mean a use-case when analytics is shared with external companies: customers, channel partners, suppliers, or other business partners.

Our analytics widgets and self-service analytics tools are usually embedded in applications or web portals. However, there are always tenants who have already adopted a specific BI tool or platform and want to integrate it with our analytics. Initially, we were serving these customers by exporting data from our platform to import them into their BI. Besides the obvious latency that this (often manual) process adds, we've run into many consistency issues. Our customers had to recreate many measures, reports, and dashboards in their tool. The numbers that their users were getting from our embedded analytics and the 3rd party tool were often inconsistent. Our customers also complained about duplicated efforts to define the same objects on two different platforms.

https://medium.com/gooddata-developers/the-future-of-bi-is-headless-e3949bb0bf2

Headless BI (2021)

How Airbnb Achieved Metric Consistency at Scale

Part-I: Introducing Minerva — Airbnb's Metric Platform

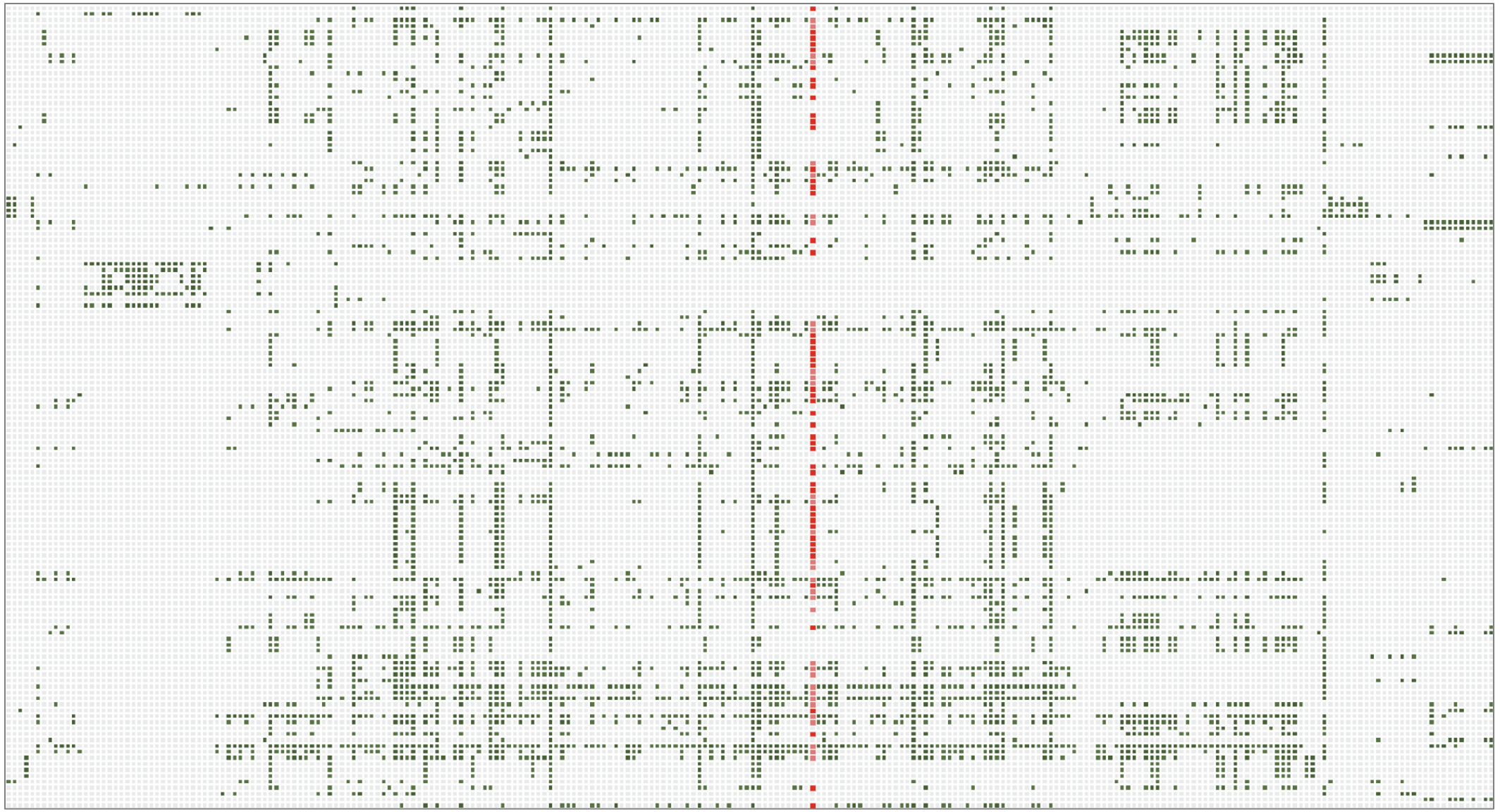
Robert Chang Follow

Apr 30 · 12 min read

By: Amit Pahwa, Cristian Figueroa, Donghan Zhang, Haim Grosman, John Bodley, Jonathan Parks, Maggie Zhu, Philip Weiss, Robert Chang, Shao Xie, Sylvia Tomiyama, Xiaohui Sun

https://medium.com/airbnb-engineering/how-airbnb-achieved-metric-consistency-at-scale-f23cc53dea70

Headless BI (2021)



https://medium.com/airbnb-engineering/airbnb-metric-computation-with-minerva-part-2-9afe6695b486

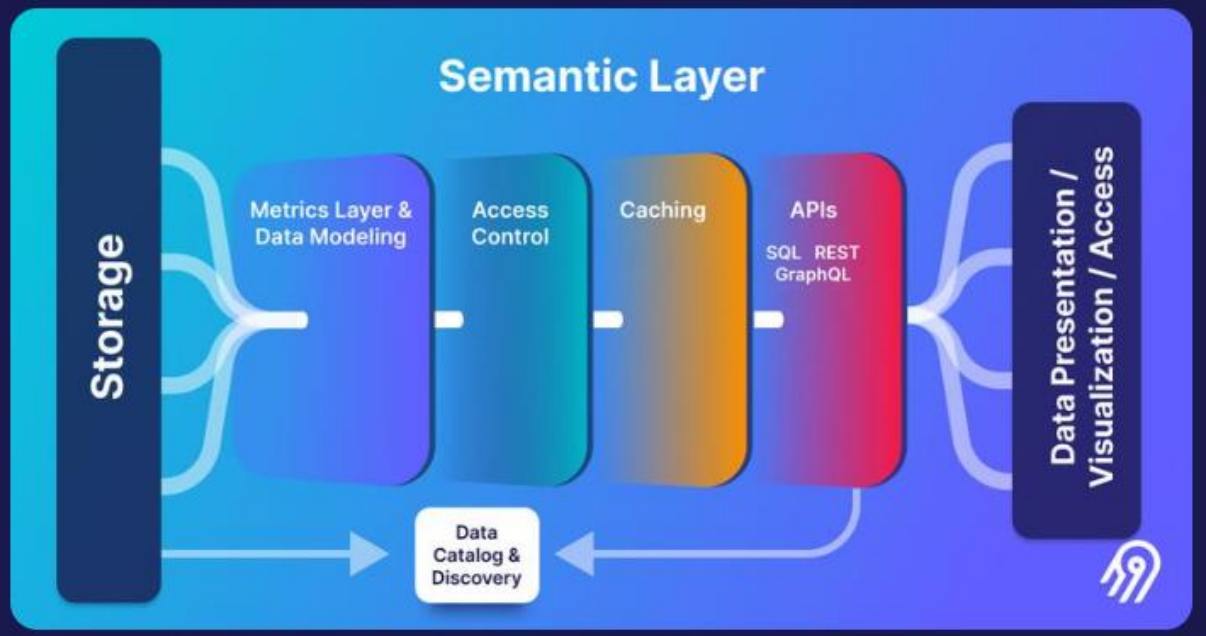
The Rise of Semantic Layer

September 29, 2022 *20 min read*

Data Insights

The Rise of the Semantic Layer: Metrics On-The-Fly

Simon Späti



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What is a Semantic Layer?

The History of a Semantic Layer

The Rise of the Semantic Layer

Trends: What Tools Are Out There for Building a Semantic Layer?

Problems of a Semantic Layer

What's the Difference to OLAP, Data Cataloging, Virtualizations, or Mesh

Will the Semantic Layer Get More Adoption?

Related posts

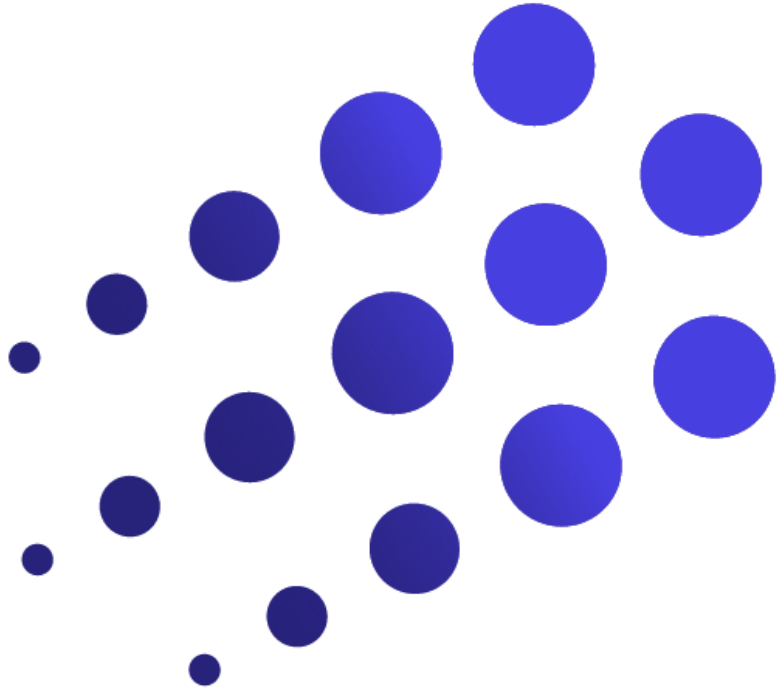
https://airbyte.com/blog/the-rise-of-the-semantic-layer-metrics-on-the-fly

MetricFlow

Introducing MetricFlow, Transform's open source metric framework.

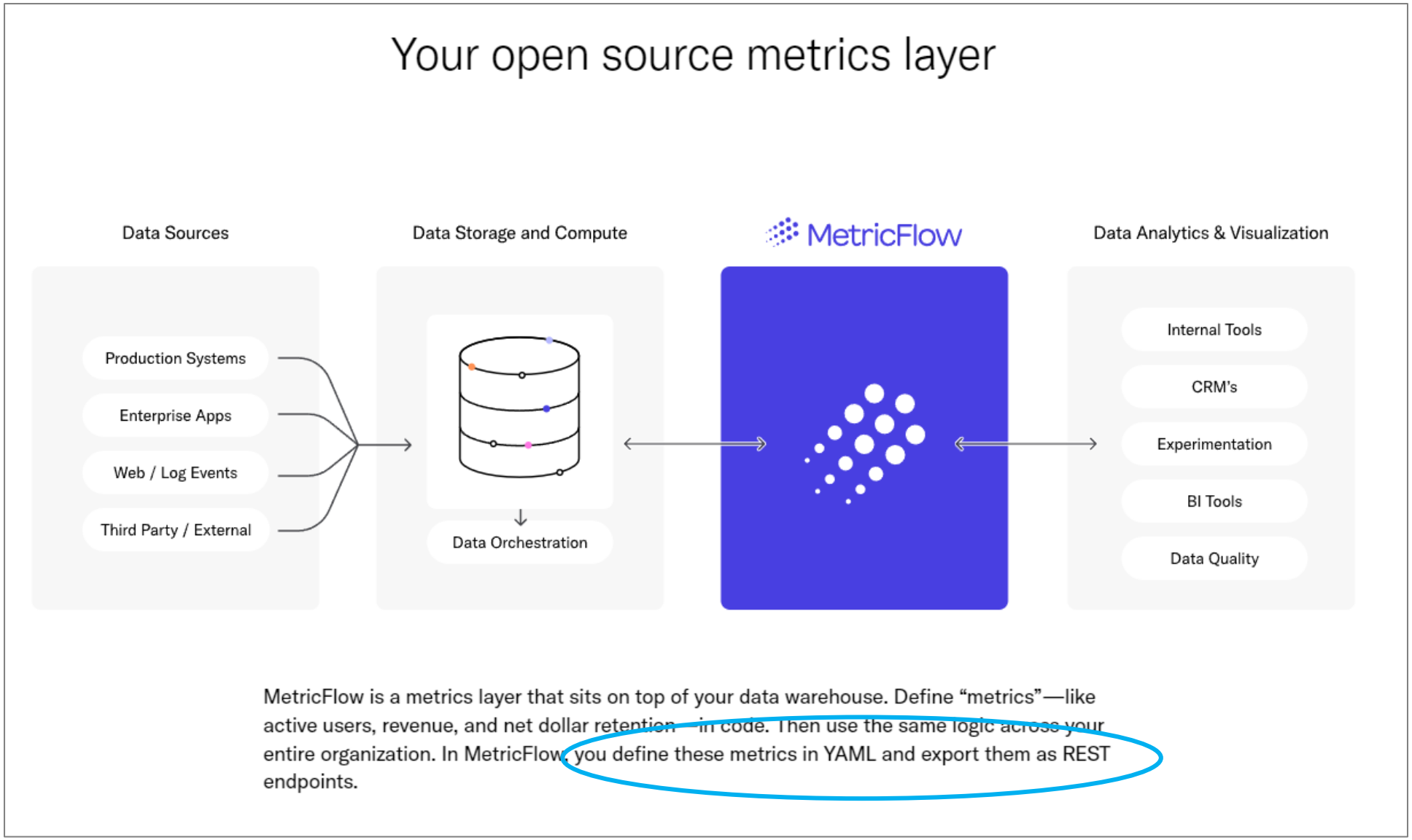
Build and maintain all of your metric logic in code. Get consistent metrics across every team and every tool.

Read our Docs



https://transform.co/metricflow/

MetricFlow



https://transform.co/metricflow/

dbt Semantic Layer

Write once, query anywhere with the dbt Semantic Layer

Sharing a little more on our plans for the dbt Semantic Layer.

Drew Banin
26 Jul 2022

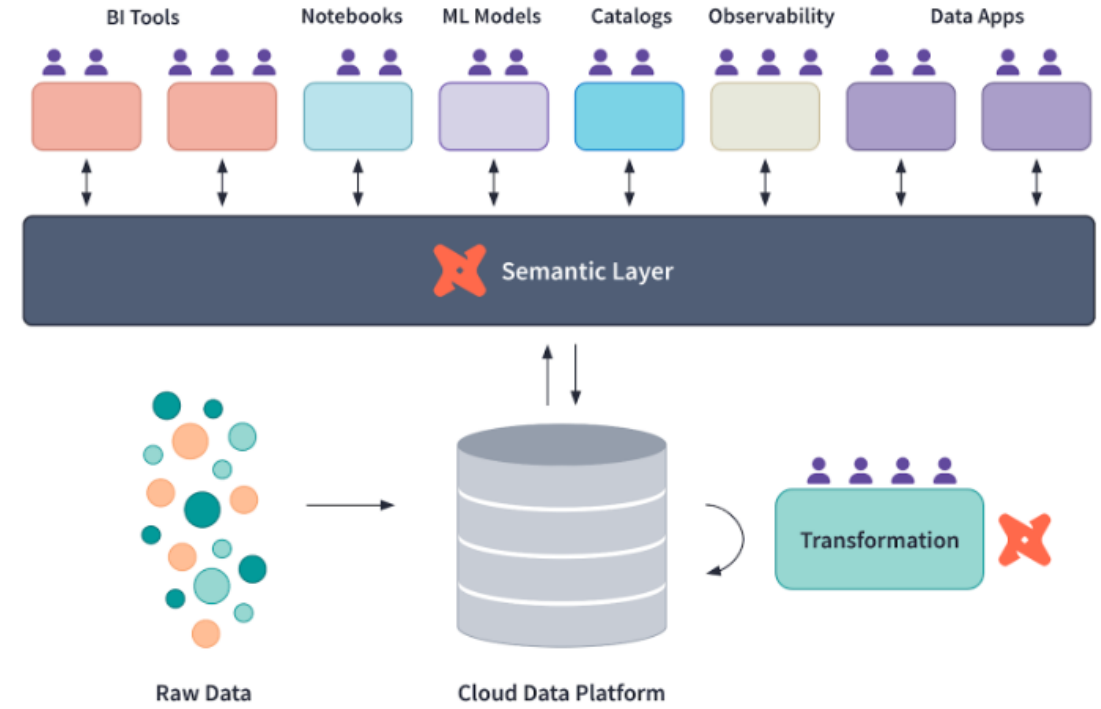
https://www.getdbt.com/blog/dbt-semantic-layer/

dbt Semantic Layer

Extending the dbt workflow

The dbt Semantic Layer is the interface between your data and your analyses: A platform for compiling and accessing dbt assets in downstream tools.

Data practitioners can define metrics in their dbt projects, then data consumers can query consistently defined metrics in downstream tools.



https://www.getdbt.com/blog/frontiers-of-the-dbt-semantic-layer/

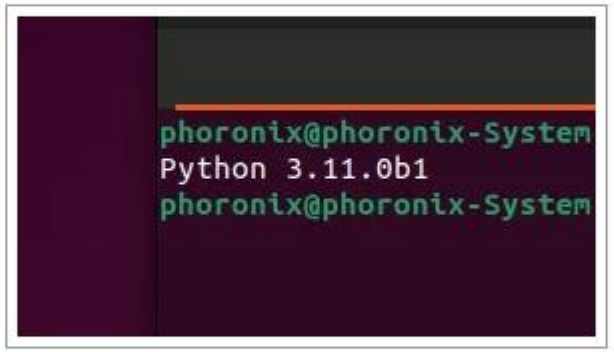
Python evolution

Python performance

Python 3.11 Performance Benchmarks Are Looking Fantastic

Written by Michael Larabel in Software on 6 June 2022. **Page 1 of 4**. 65 Comments

Last month Python 3.11 Beta 1 was released as their first preview of this major update to the Python programming language. Besides new language features and other improvements, Python 3.11 performance is looking fantastic with very nice performance uplift over prior Python 3.x releases.



Python 3.11 has been baking support for task groups in asyncio, fine-grained error locations in tracebacks, the self-type to return an instance of their class, TypeVarTuple for variadic generics, and various other features.

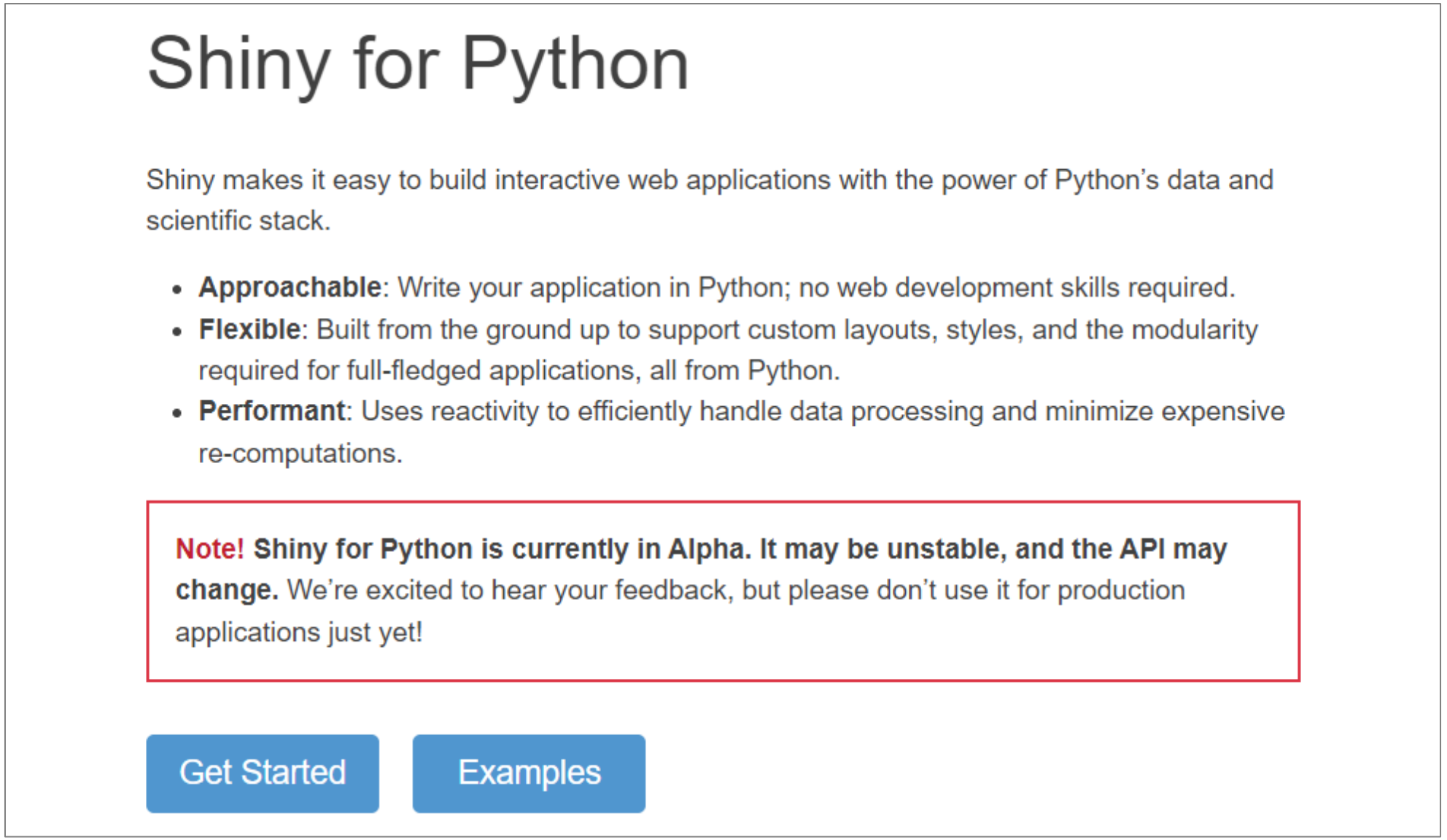
Besides changes affecting the Python language itself, Python 3.11 has been landing performance work from the "Faster CPython Project" to speed-up the reference implementation. Python 3.11 is 10~60% faster than Python 3.10 according to the official figures and a 1.22x speed-up with their standard benchmark suite.

https://www.phoronix.com/review/python-311-performance

PyScript

https://pyscript.net/

Shiny for Python

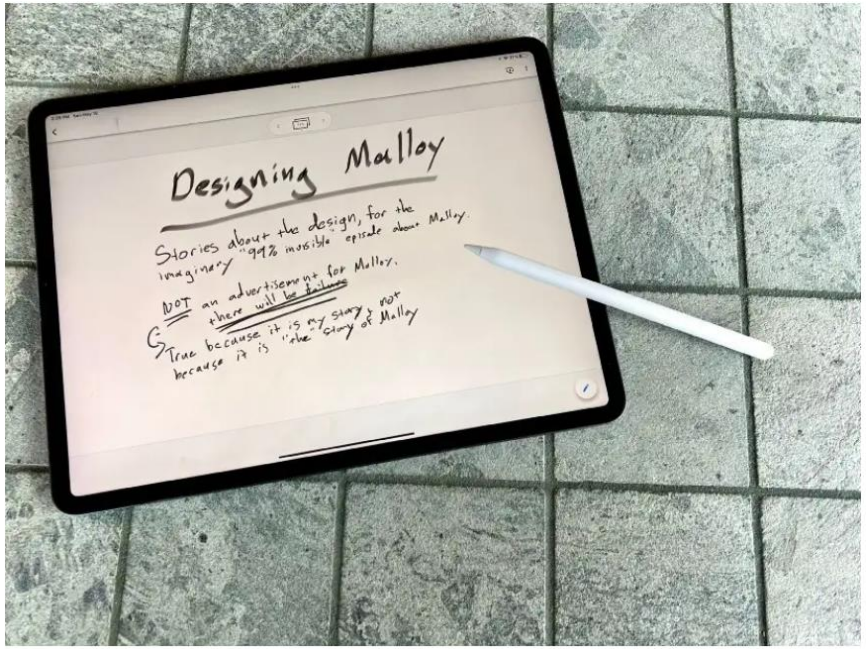


https://shiny.rstudio.com/py/

Better SQL

Better SQL

Designing Malloy 0 — Introduction



I'm working on a new query language for data. It is called Malloy. This language, in an ideal future, would replace SQL for most interactions with data involving humans. I've decided I want to write about this work, because I am pretty proud of it, and there are stories I want to tell about the design.

Malloy

Malloy is an experimental language for describing data relationships and transformations. It is both a semantic modeling language and a querying language that runs queries against a relational database. Malloy currently connects to BigQuery and Postgres, and natively supports DuckDB. We've built a Visual Studio Code extension to facilitate building Malloy data models, querying and transforming data, and creating simple visualizations and dashboards.

Try Malloy

The easiest way to try the Malloy language is the Malloy Fiddle site. Here you can toggle between saved queries and edit them or write your own against the provided data and models.

https://medium.com/@michaeltoy/designing-malloy-0-introduction-88b8809d75d0

Better SQL

PRQL

DOCS LANGUAGE | DISCORD CHAT 24 ONLINE | FOLLOW @PRQL_LANG 237

BUILD PASSING | CONTRIBUTORS 30 | STARS 5.3K

Pipelined **R**elational **Q**uery **L**anguage, pronounced "Prequel".

PRQL is a modern language for transforming data — a simple, powerful, pipelined SQL replacement. Like SQL, it's readable, explicit and declarative. Unlike SQL, it forms a logical pipeline of transformations, and supports abstractions such as variables and functions. It can be used with any database that uses SQL, since it compiles to SQL.

PRQL can be as simple as:

```
from employees
filter country == "USA"                       # Each line transforms the previous result
aggregate [                                   # `aggregate` reduces each column to a value
  max salary,
  min salary,
  count,                                      # Trailing commas are allowed
]
```

https://github.com/prql/prql

BI Expansion

Power BI datamarts

Learn / Power Platform / Power BI / Transform, shape, model data /

Introduction to datamarts

Article • 06/22/2022 • 5 minutes to read • 4 contributors

Feedback

Business users rely heavily on centrally governed data sources built by information technology teams (IT), but it can take months for an IT department to deliver a change in a given data source. In response, users often resort to building their own data marts with Access databases, local files, SharePoint sites and spreadsheets, resulting in a lack of governance and proper oversight to ensure such data sources are supported and have reasonable performance.

Datamarts help bridge the gap between business users and IT. Datamarts are self-service analytics solutions, enabling users to store and explore data that is loaded in a fully managed database. Datamarts provide a simple and optionally no-code experience to ingest data from different data sources, extract transform and load (ETL) the data using Power Query, then load it into an Azure SQL database that's fully managed and requires no tuning or optimization.

https://learn.microsoft.com/en-us/power-bi/transform-model/datamarts/datamarts-overview

Tableau Model Builder

Tableau Model Builder

Democratized, Native ML Modeling in Tableau

TABLEAU CONFERENCE

Build and deploy models in Tableau
All-new Tableau authoring experience for training, understanding, and deploying machine learning models

Guides users through the modeling process to predictions with automatic insights and explanations generated from Einstein AI Platform

Operationalize predictive analytics for consumers with existing Einstein Discovery in Tableau integrations

- Einstein Discovery Dashboard Extension
- Einstein Discovery Analytics Extensions
- Tableau Prep Flows

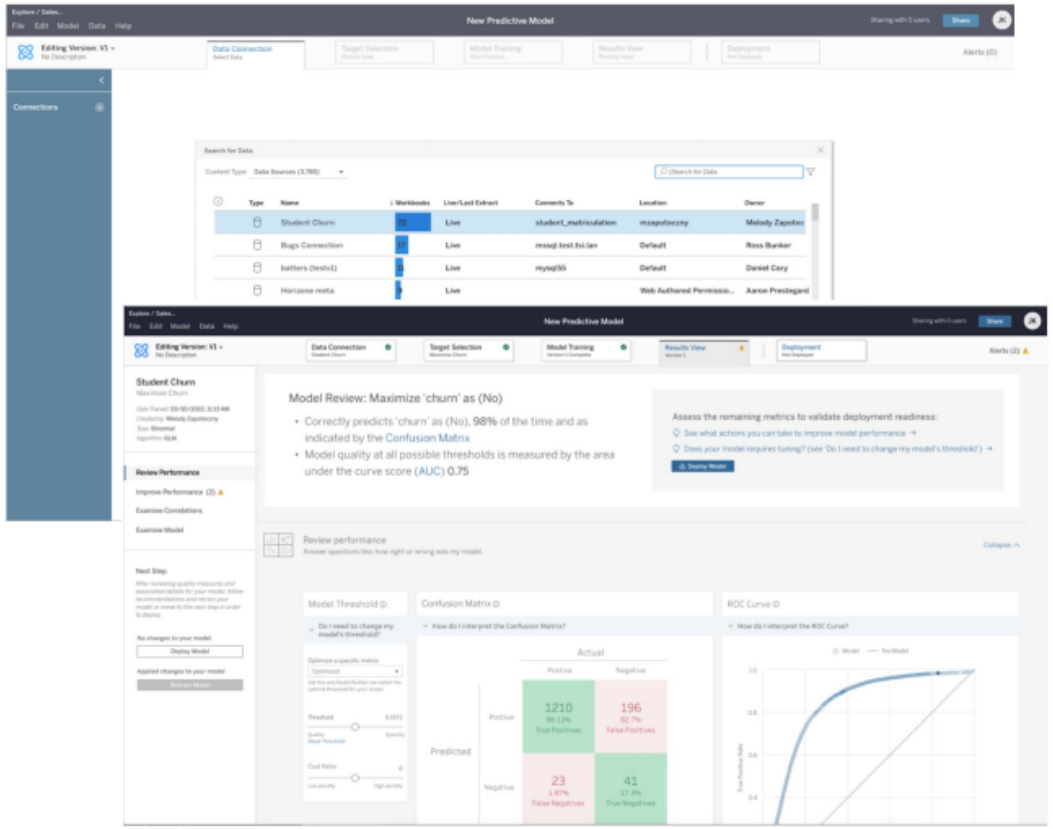


Tableau Model Builder (preview)

Tableau Model Builder

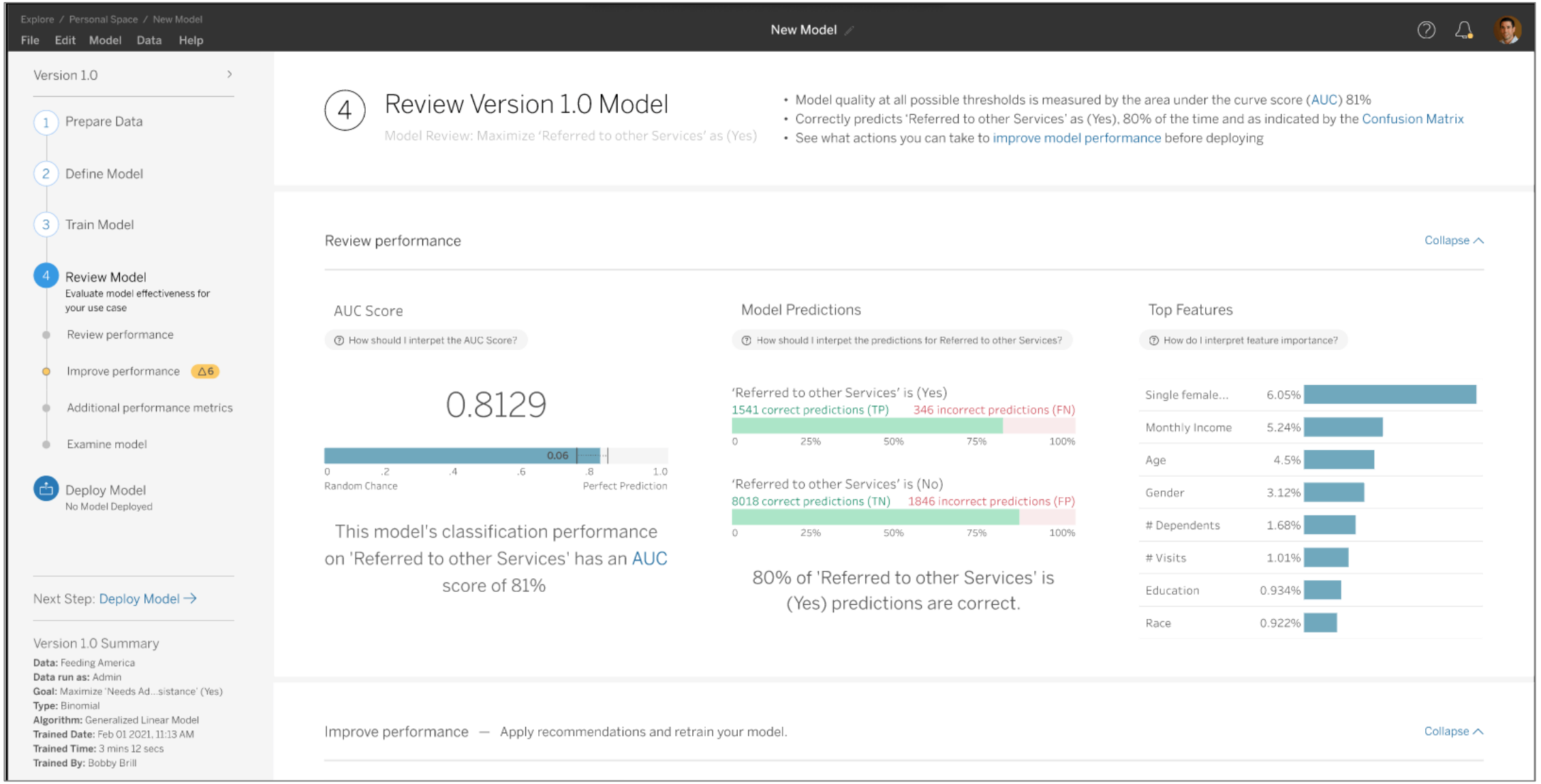


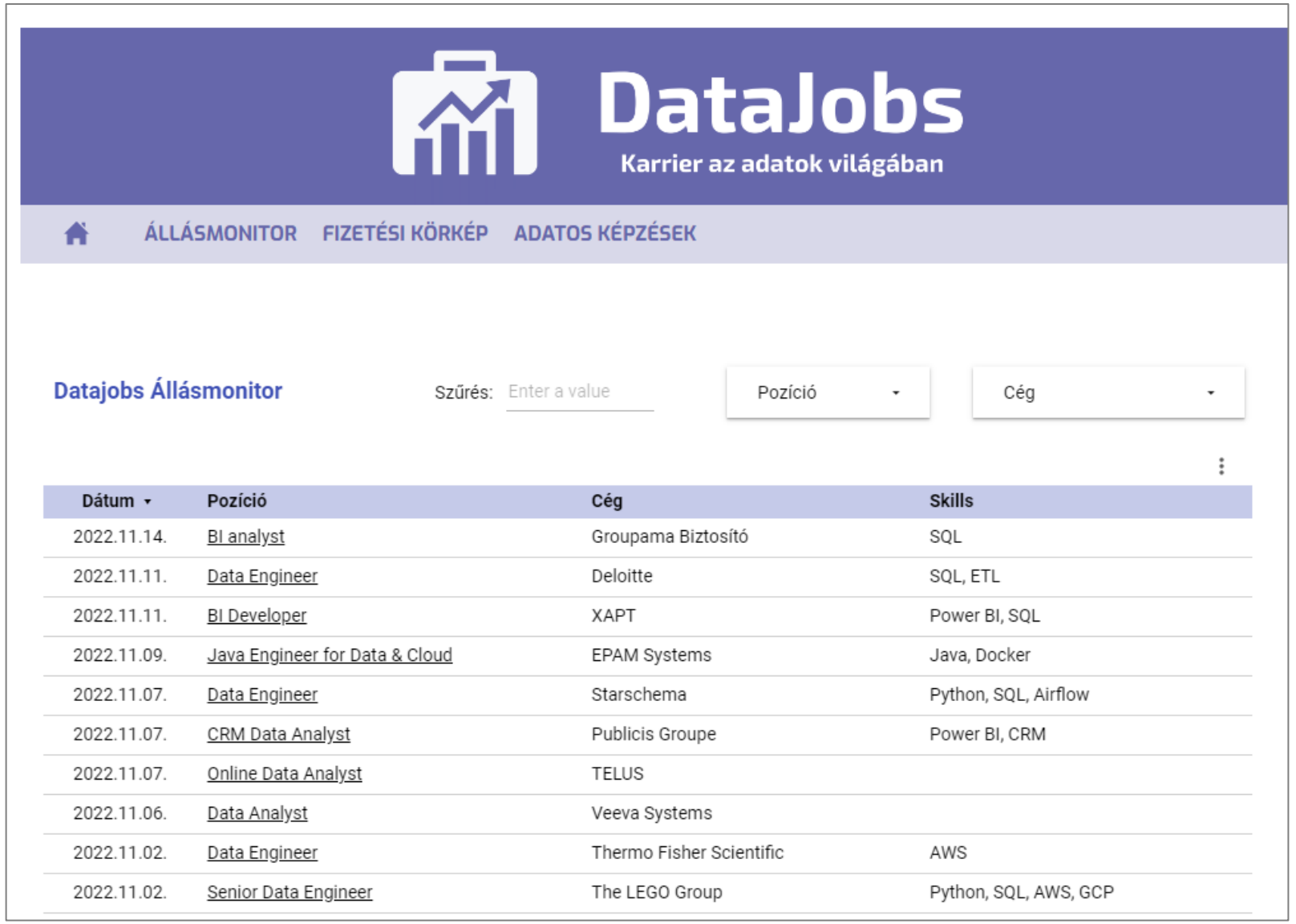
Tableau Model Builder (preview)

Hazai helyzet

BI Consulting

Adatos álláspiac

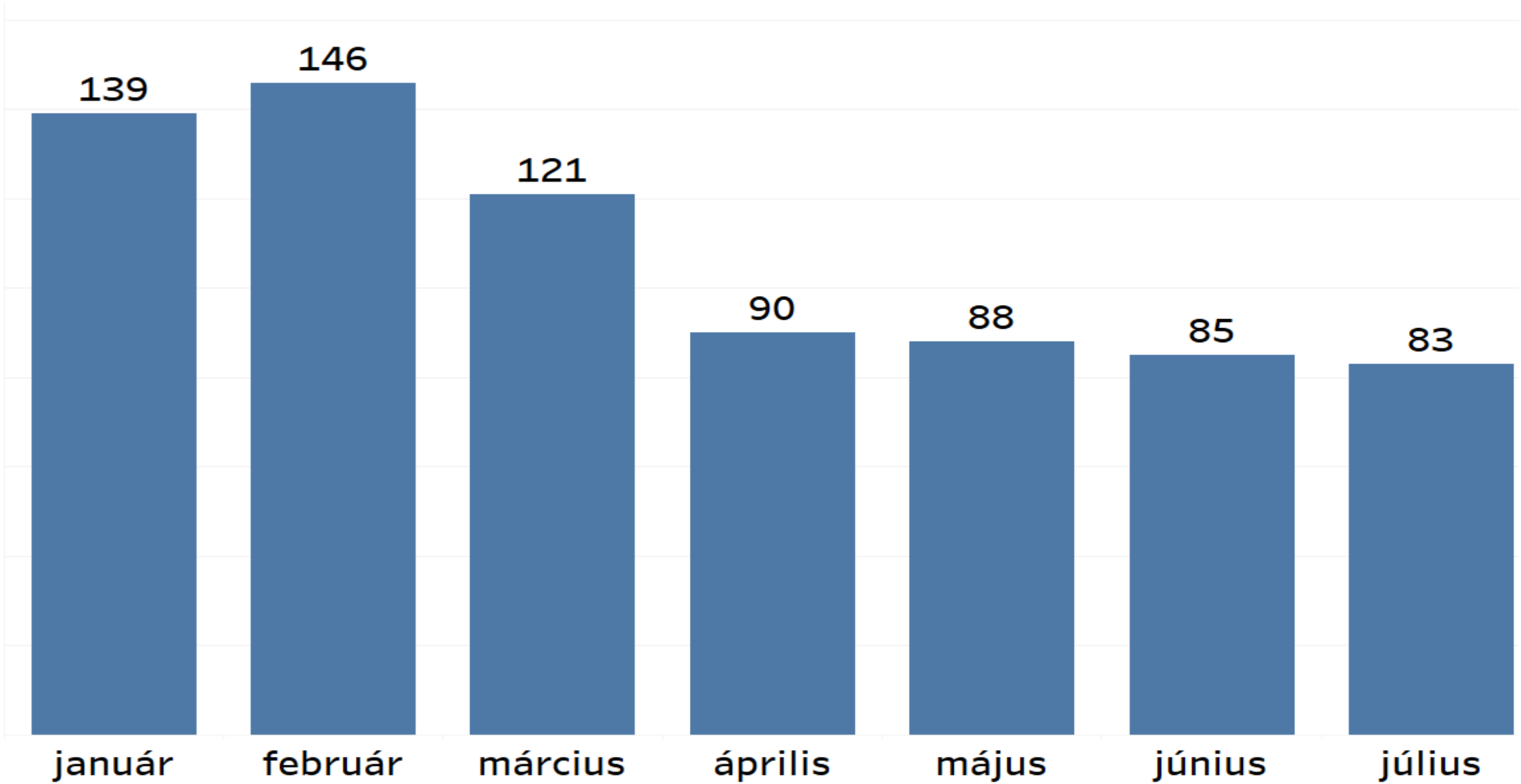
Datajobs.hu



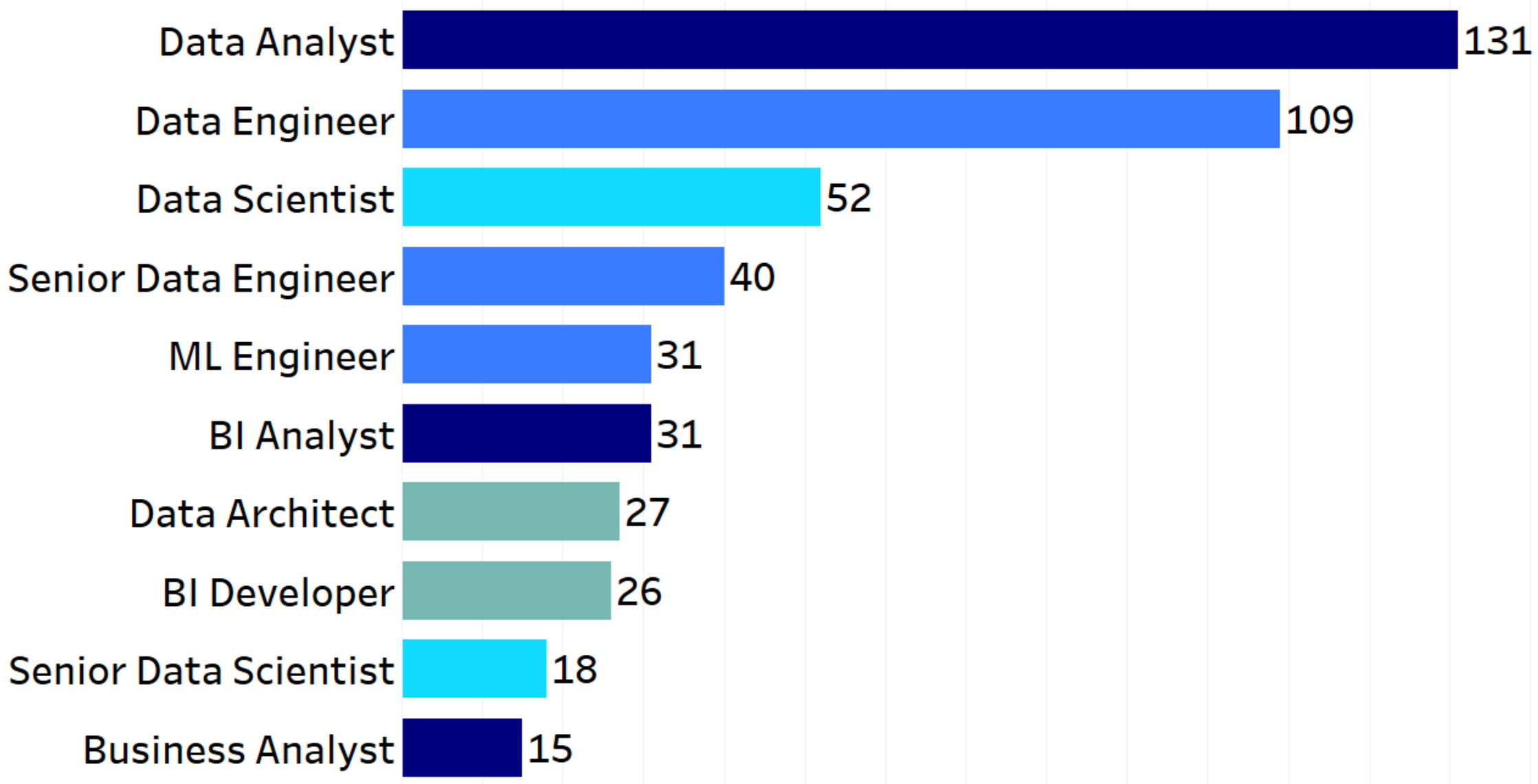
Dátum	Pozíció	Cég	Skills
2022.11.14.	BI analyst	Groupama Biztosító	SQL
2022.11.11.	Data Engineer	Deloitte	SQL, ETL
2022.11.11.	BI Developer	XAPT	Power BI, SQL
2022.11.09.	Java Engineer for Data & Cloud	EPAM Systems	Java, Docker
2022.11.07.	Data Engineer	Starschema	Python, SQL, Airflow
2022.11.07.	CRM Data Analyst	Publicis Groupe	Power BI, CRM
2022.11.07.	Online Data Analyst	TELUS	
2022.11.06.	Data Analyst	Veeva Systems	
2022.11.02.	Data Engineer	Thermo Fisher Scientific	AWS
2022.11.02.	Senior Data Engineer	The LEGO Group	Python, SQL, AWS, GCP

https://datajobs.hu/allasmonitor/

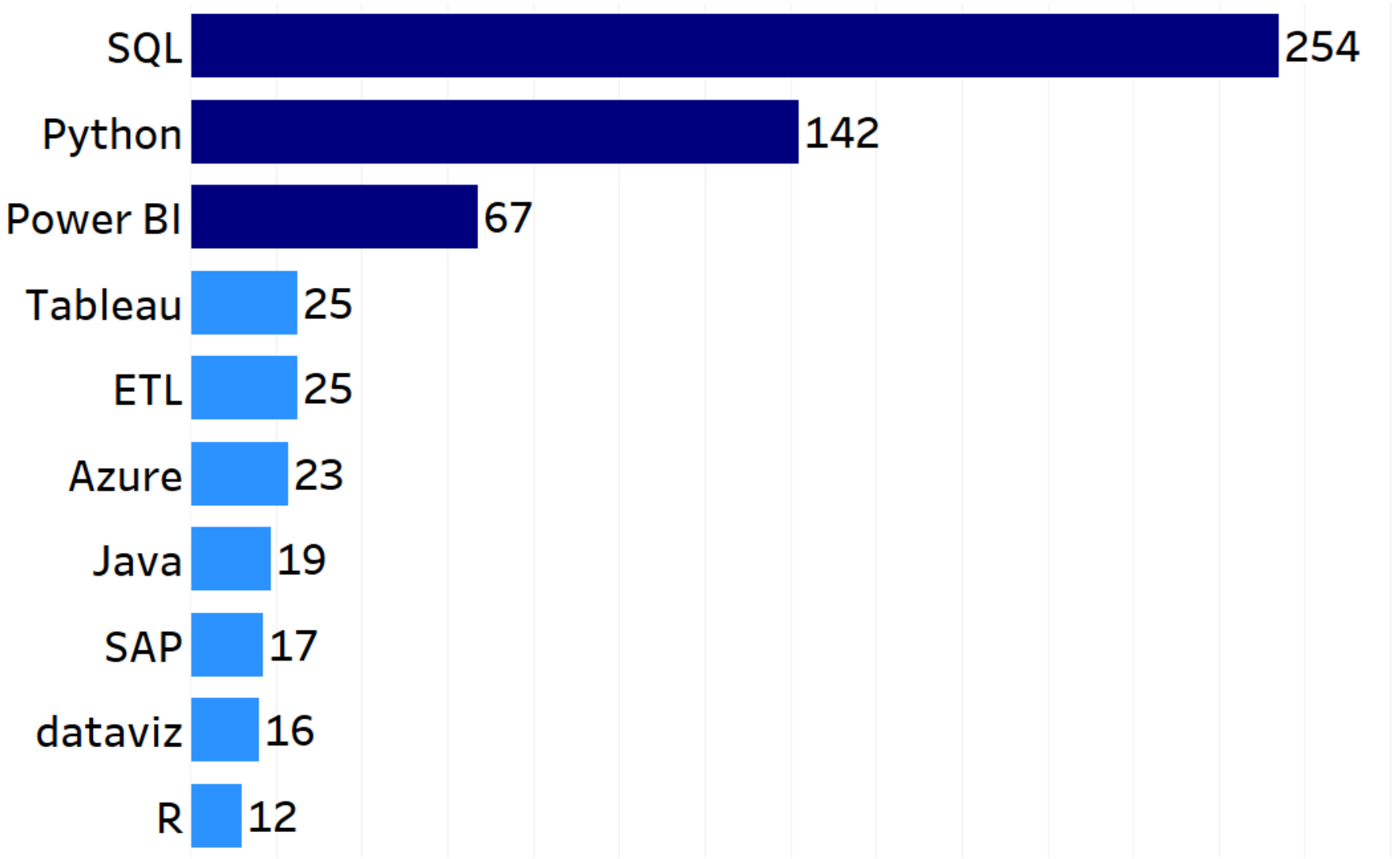
Állások havi eloszlása



A legnépszerűbb pozíciók



A legkeresettebb skillek

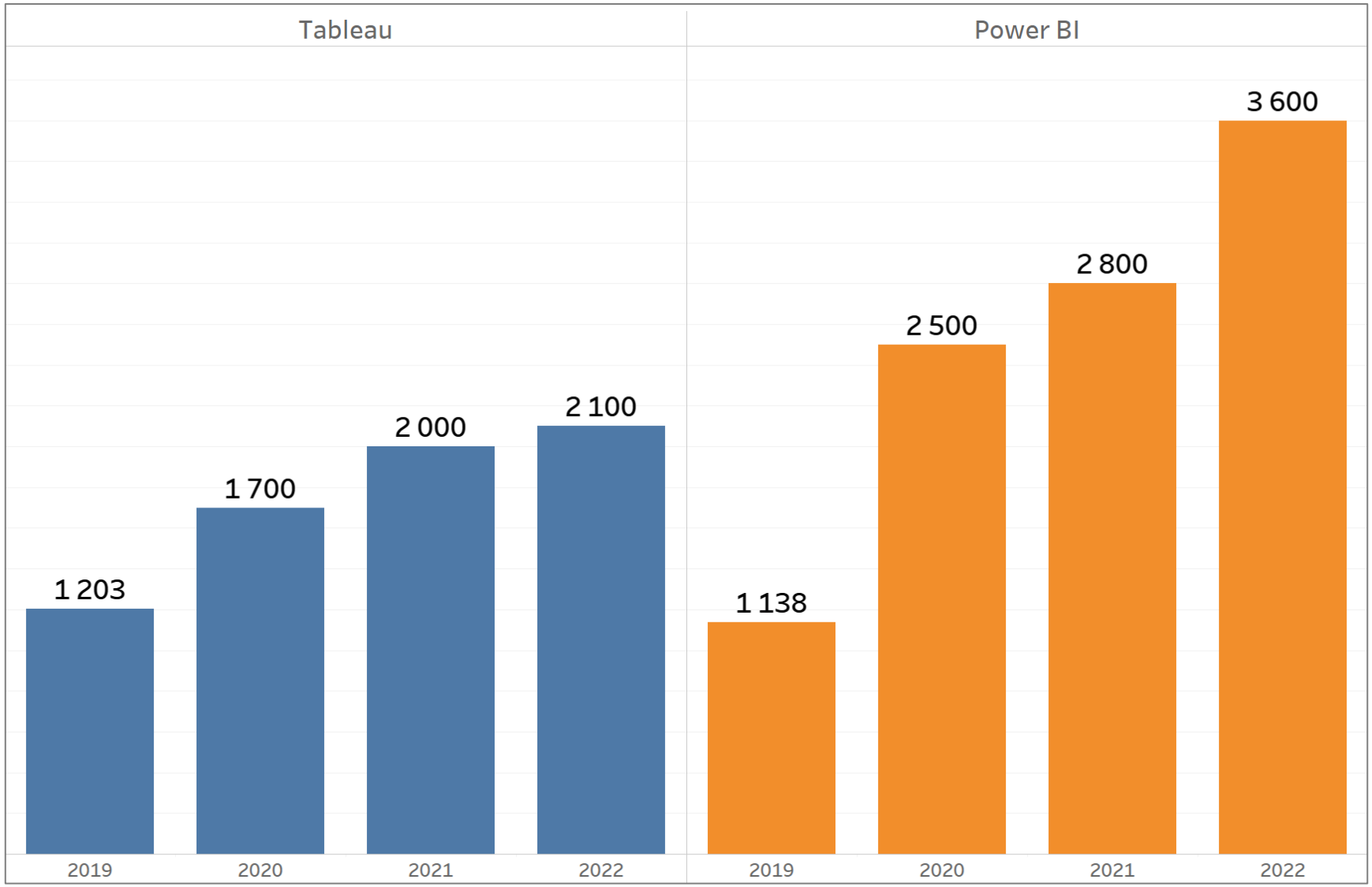


BI felhasználók

Hazai helyzet

- A BI eszközök hazai népszerűségét nehéz felmérni
  - Felhasználó szervezetek számára vannak becslések
  - De a szervezetek között vannak 1 felhasználós és sok ezer felhasználós esetek is
- Saját becslés a hazai BI felhasználók **arányaira**
  - LinkedIn ismerősök profiljai alapján készül
  - Erősen szubjektív, jelentős torzítás lehet benne

Tableau – Power BI trendek (2022)



Nagyságrendi becslés hazai felhasználószám **arányokra**, LinkedIn profilok alapján

Hazai képzések

Power BI tanfolyamok

POWER BI WORKSHOP

POWER BI TANFOLYAM

A Power BI workshop elsődleges célja, hogy a Power BI használatával megtanítsa a hatásos adatvizualizáció alapjait. A fő fókusz az adatvizualizáción lesz, de a tanfolyamon megismerkedünk az adatelőkészítés és az adattisztítás automatizálásának lehetőségeivel is.

KIHELYEZETT POWER BI WORKSHOP

KIHELYEZETT POWER BI TANFOLYAM

A kihelyezett Power BI workshop egy olyan Power BI tanfolyam, amely keretében a résztvevők a tantermi Power BI képzés ismeretanyagát kapják meg saját munkahelyükön, a résztvevőknek leginkább megfelelő időpontban, egy kicsit a résztvevők igényeire szabva.

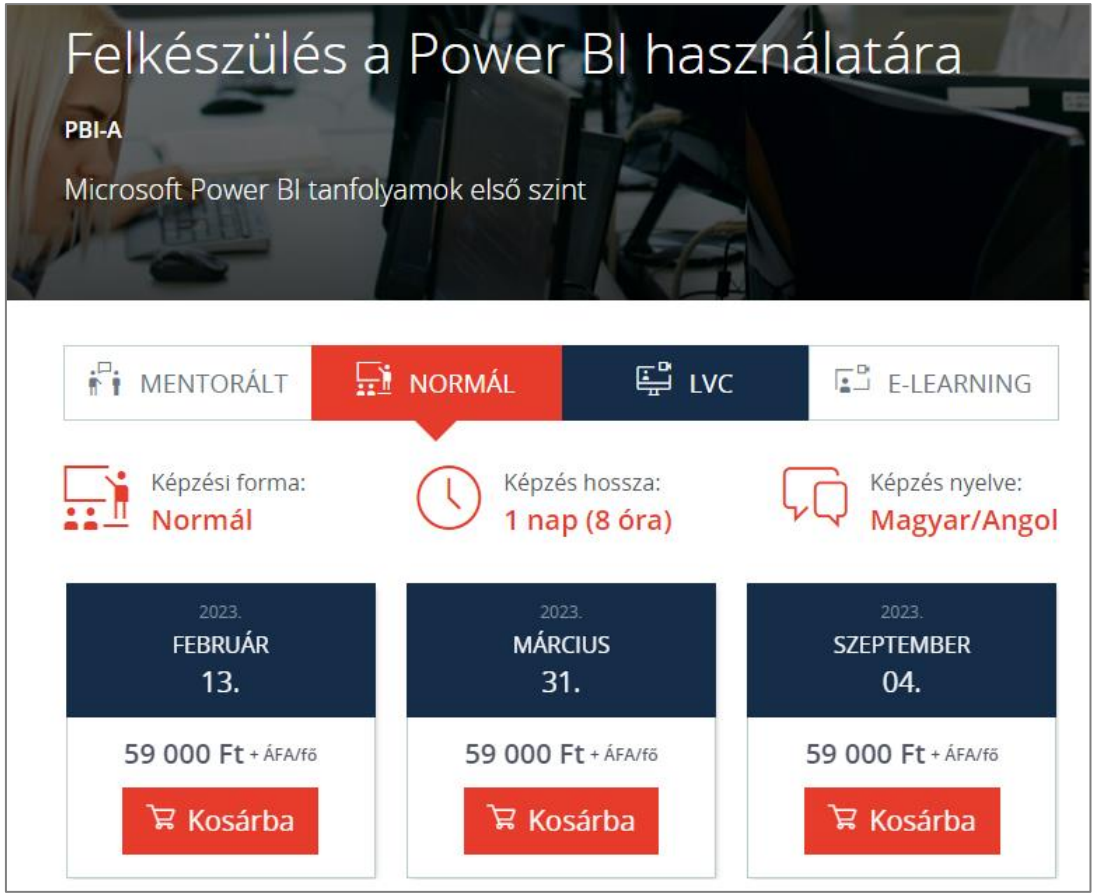
ON-THE-JOB POWER BI TANFOLYAM

ON-THE-JOB POWER BI WORKSHOP

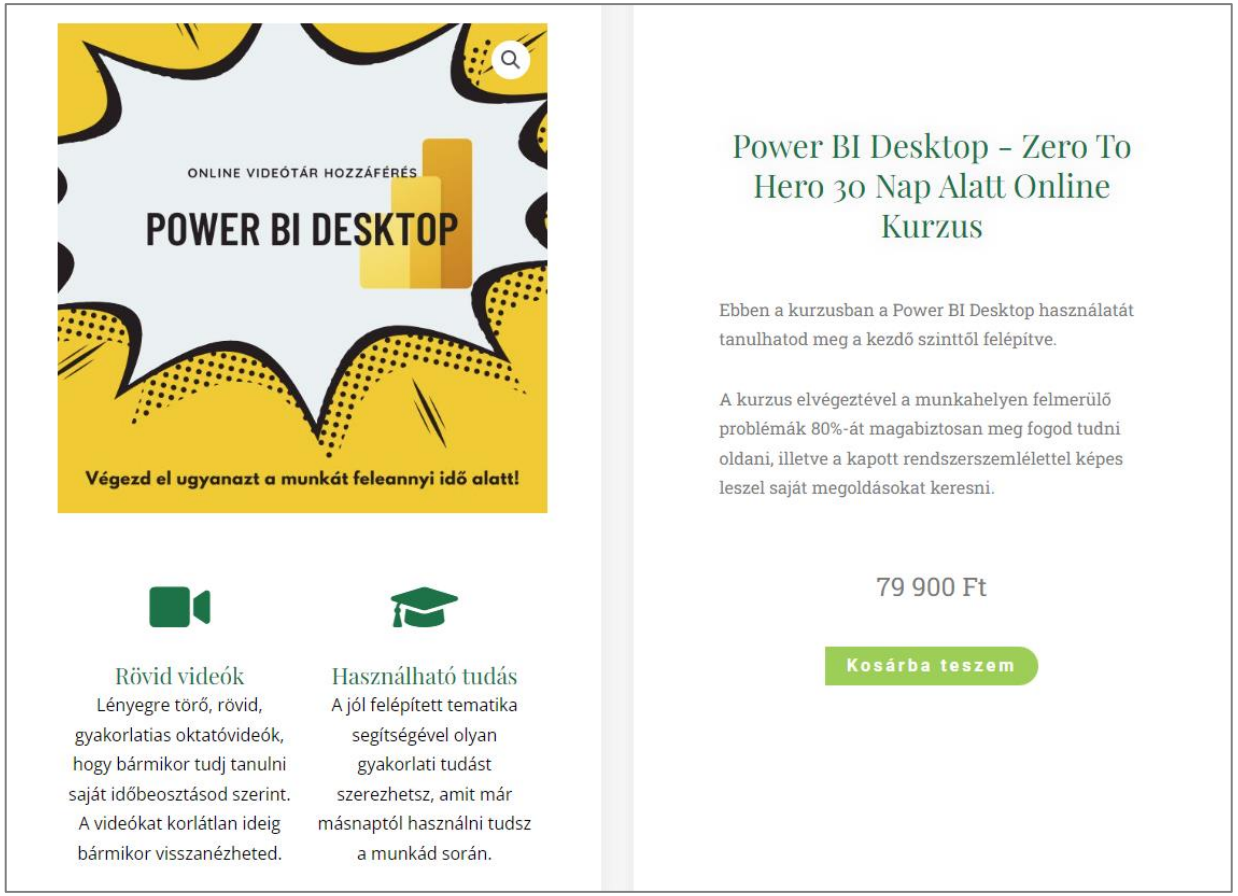
On-the-job Power BI workshopot egy „saját adatos" tanfolyam, amelyen a résztvevők saját adataikon, saját munkahelyükön, saját problémáik megoldása közben sajátítják el a Power BI használatát, úgy hogy annak eredményeképp előálljon egy élesben működő jelentéscsomag.

https://www.biprojekt.hu/Trening/Power-BI-tanfolyam.htm

Power BI tanfolyamok

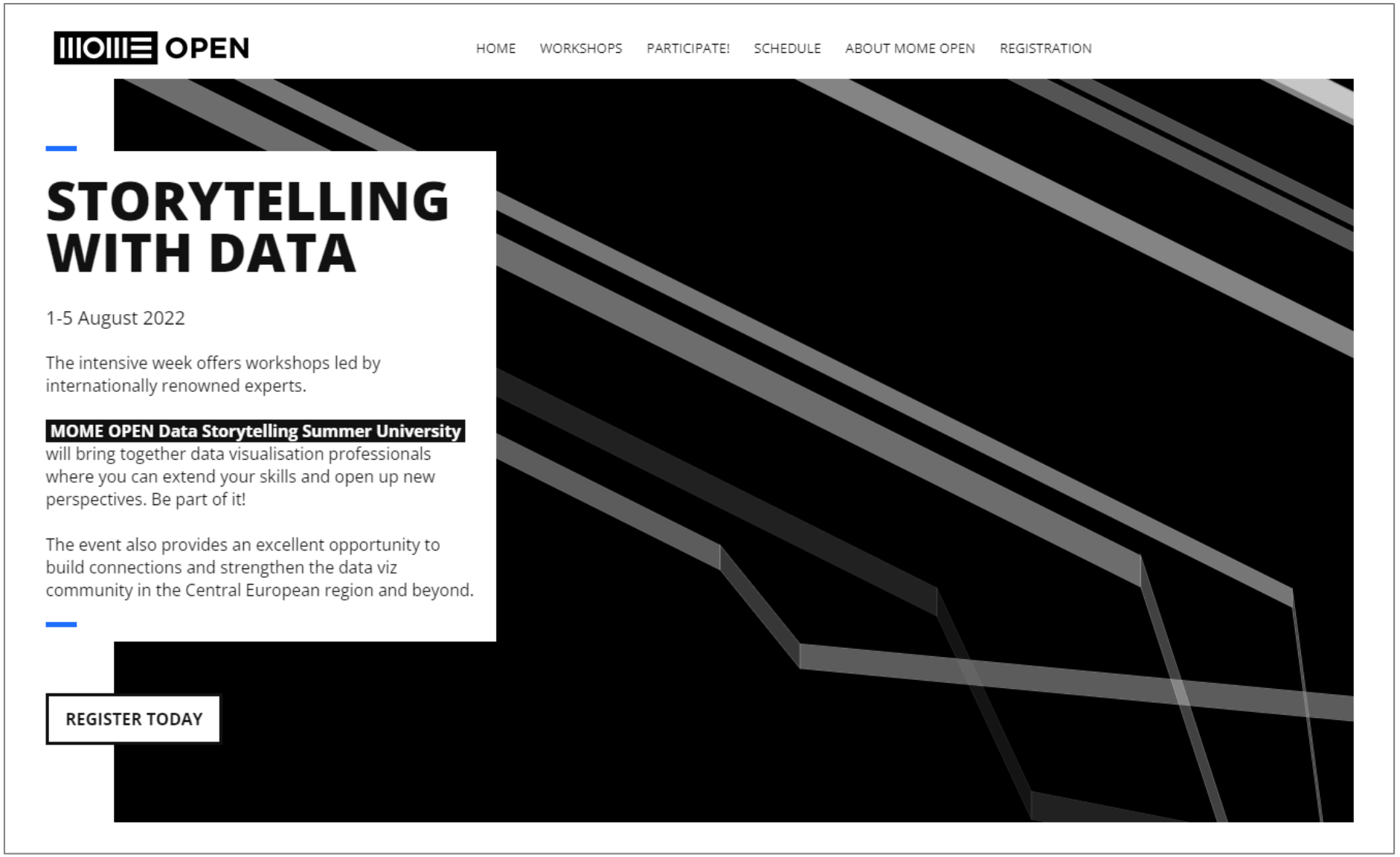


https://www.training360.com/felkeszules-a-power-bi-hasznalatara-tanfolyam-pbi-a



https://excelneked.hu/power-bi-tanfolyam/

MOME OPEN

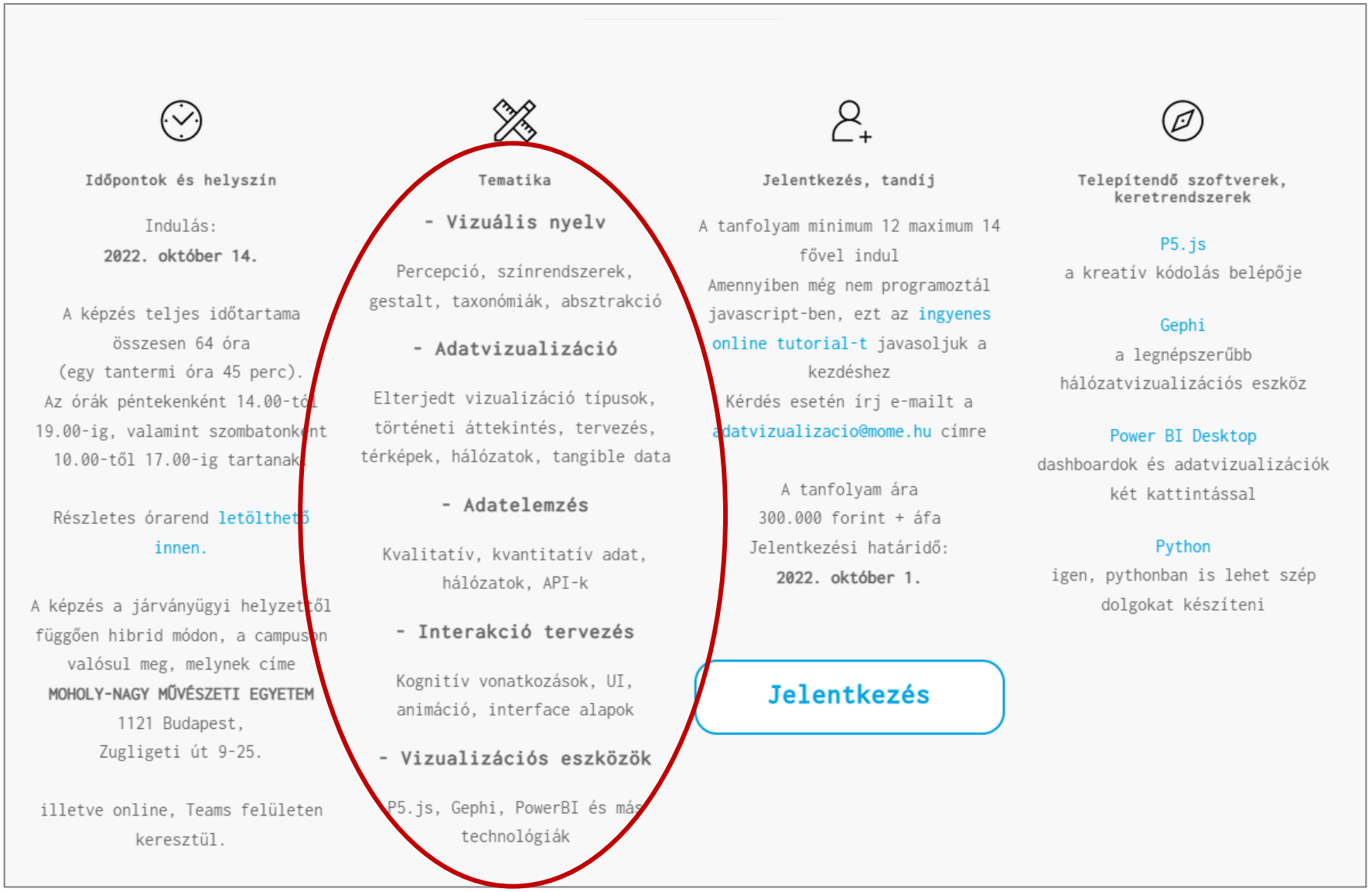


https://open.mome.hu/summer-university/

MOME OPEN

https://open.mome.hu/adatvizualizacio/

MOME OPEN



Időpontok és helyszín

Indulás:
2022. október 14.

A képzés teljes időtartama
összesen 64 óra
(egy tantermi óra 45 perc).
Az órák péntekenként 14.00-tól
19.00-ig, valamint szombatonként
10.00-től 17.00-ig tartanak.

Részletes órarend letölthető
innen.

A képzés a járványügyi helyzettől
függően hibrid módon, a campuson
valósul meg, melynek címe
MOHOLY-NAGY MŰVÉSZETI EGYETEM
1121 Budapest,
Zugligeti út 9-25.

illetve online, Teams felületen
keresztül.

Tematika

- Vizuális nyelv

Percepció, színrendszerek,
gestalt, taxonómiák, absztrakció

- Adatvizualizáció

Elterjedt vizualizáció típusok,
történeti áttekintés, tervezés,
térképek, hálózatok, tangible data

- Adatelemzés

Kvalitatív, kvantitatív adat,
hálózatok, API-k

- Interakció tervezés

Kognitív vonatkozások, UI,
animáció, interface alapok

- Vizualizációs eszközök

P5.js, Gephi, PowerBI és más
technológiák

Jelentkezés, tandíj

A tanfolyam minimum 12 maximum 14
fővel indul
Amennyiben még nem programoztál
javascript-ben, ezt az ingyenes
online tutorial-t javasoljuk a
kezdéshez
Kérdés esetén írj e-mailt a
adatvizualizacio@mome.hu címre

A tanfolyam ára
300.000 forint + áfa
Jelentkezési határidő:
2022. október 1.

Jelentkezés

**Telepítendő szoftverek,
keretrendszerek**

P5.js
a kreatív kódolás belépője

Gephi
a legnépszerűbb
hálózatvizualizációs eszköz

Power BI Desktop
dashboardok és adatvizualizációk
két kattintással

Python
igen, pythonban is lehet szép
dolgokat készíteni

https://open.mome.hu/adatvizualizacio/

MOME OPEN

Mura Márton, https://www.linkedin.com/feed/update/urn:li:activity:6994286441853784065/

Thank You