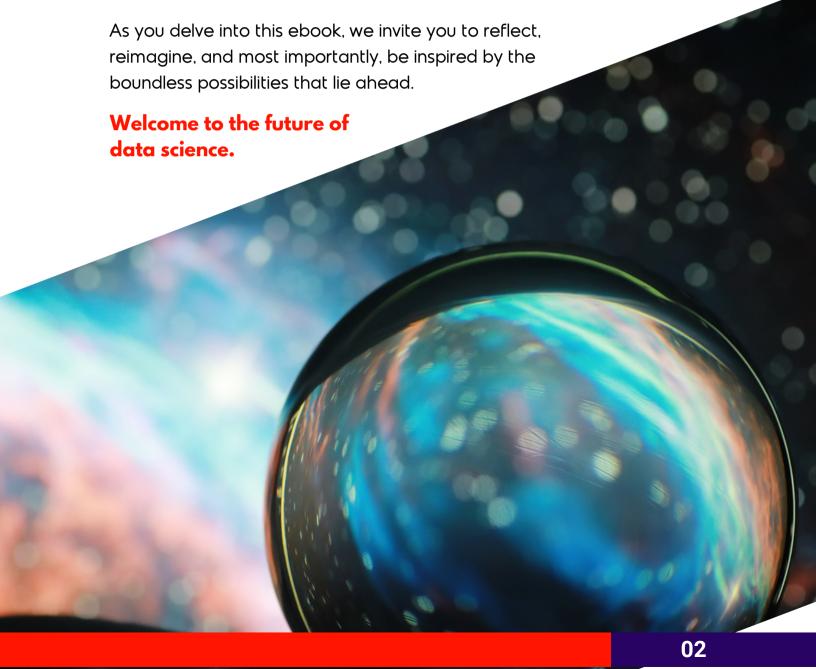
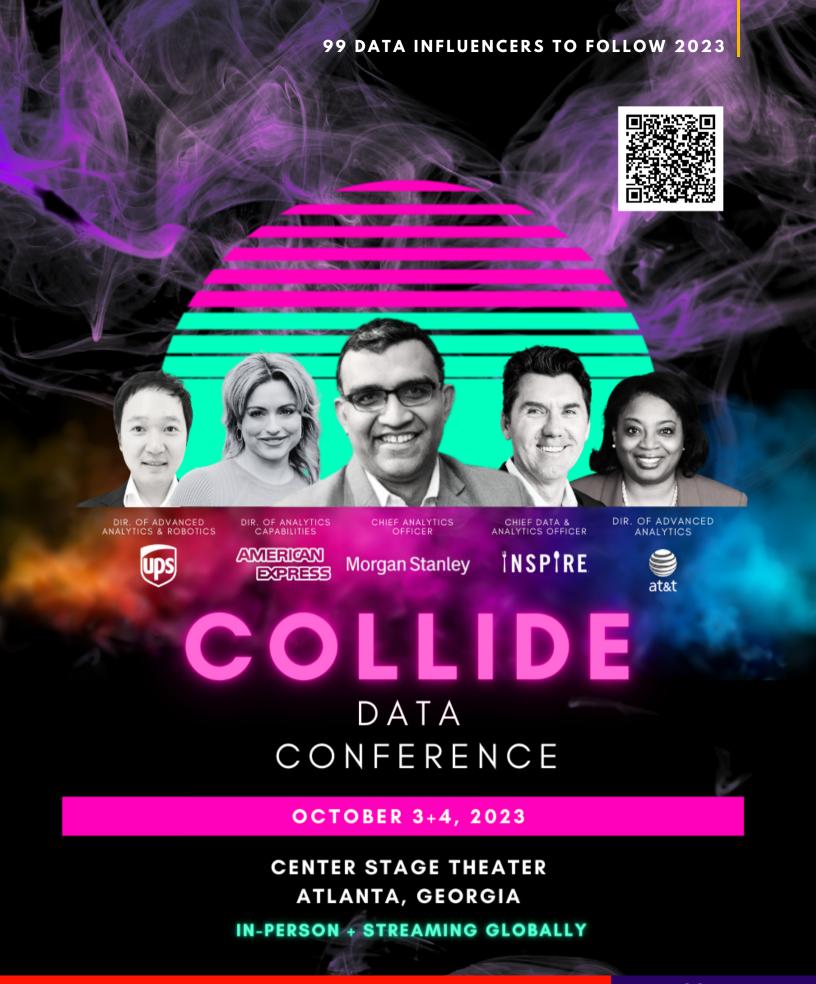


Introduction

We asked 99 Data Influencers for their predictions about the future of generative AI and LLMs.

Their responses are not just predictions; they are a roadmap for professionals, enthusiasts, and enterprises navigating the data-driven landscapes of tomorrow.







Jay Garcia

Education Program Manager

Alteryx

29K followers

"GPT-4 and similar generative Al technologies are poised to revolutionize data science and analytics by automating report creation, enabling natural language data exploration, enhancing predictive modeling through advanced features, and prompting discussions on ethics. This shift could also lead to new roles, increased data privacy focus, and transformative data visualization and communication approaches."

+Follow

Hajar Mousannif

Associate Professor Cadi Ayyad University

32K followers

"I expect a massive use of such models in businesses where "humanification" of interaction is at its most and an improvement in their ability to transform businesses into cognitive ones and reduce friction. I expect reduction of the costs of finetuning LLMs and development of new businesses offering customization and finetuning as a service. I also expect more ethical and proprietary concerns raised by the use of such models."







Ravit Jain

Founder & Host
The Ravit Show

134K followers

+Follow

Allie K. Miller

Al Entrepreneur, Advisor, and Investor

1.3M followers

+Follow





Kirk Borne

Principal Data Scientist and Executive Advisor, First Data Science Fellow Booz Allen Hamilton

80K followers



Kalilur Rahman

Director
Novartis
787K followers

+Follow

"Generative AI technologies, such as Claude, LLaMa, Bard, GPT-4, are poised to reshape the landscape of data science and analytics in the next five years in a number of ways:

- Democratization of data analysis:
 Generative AI can be used to
 automate many of the tasks
 involved in data analysis, such as
 data cleaning, feature engineering,
 and model training.
- Improved insights: Generative Al can be used to generate new insights from data that would be difficult or impossible to find using traditional methods.
- Accelerated innovation: Generative Al can be used to accelerate the pace of innovation by helping businesses to experiment with new ideas and to iterate on their products and services more quickly.

Improved decision-making:
 Generative AI can be used to help businesses make better decisions by providing them with more accurate and timely information.

Overall, generative AI has the potential to revolutionize the way we collect, analyze, and use data. across a range of industries. For example:

- In healthcare, generative AI is being used to develop new drugs and treatments, to diagnose diseases, and to personalize patient care.
- In finance, generative AI is being used to predict market trends, to assess risk, and to manage investments.
- In manufacturing, generative AI is being used to optimize production processes, to design new products, and to improve quality control."



Akash Mavle

Senior Vice President Exela Technologies inc.

30K followers

+Follow

Megan Lieu

Data Scientist Narrator

79K followers

+Follow





Marco Gomes

Chief Information Officer Hike

640K followers



Karina Kato

Staff Data Scientist iFood

11K followers

+Follow

"GPT-4 and other generative AI tech will reshape data science and analytics in the next years.

These advancements will accelerate data processing, streamline insights, coding, and model training processes, ultimately leading to faster data-driven decision-making.

They will also enhance natural language queries, facilitate the generation of synthetic data for Al training purposes, and open up new possibilities for applications across various industries.

Both data professionals will be

prompted to focus more on strategic thinking, tackling intricate problem-solving and complex tasks.

But remember, generative models won't work for all problems and it's important to be mindful of potential challenges such as data privacy concerns and biases that may arise in Al-generated insights.

Traditional ML remains crucial, especially for structured data and interpretability. The future of data science will likely combine generative Al with traditional ML for diverse challenges."





Rassul Fazelat

President & CEO
Data Talent Advisors LLC
31K followers

"Generative AI and Chat GPT have brought a lot of excitement our industry. More importantly people are not starting to really "see" what many of technologies and frameworks we've talking for over a decade can really do.

This attention has brought ideas on how to leverage this powerful technology but we are seeing more scrutiny using this technology with more voices highlighting privacy and ethics."

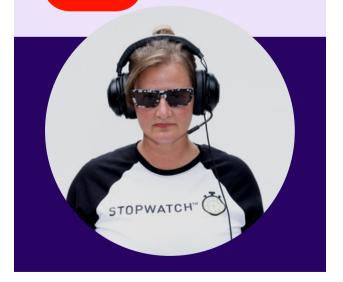


Meagan Bowman

Founder & CEO STOPWATCH

27K followers

"Game Theory as a discipline will become accessible to a more diverse group of users which will, in turn, create new and unsuspected ways to achieve optimization. New games will be developed, and new calculations uncovered simply because there are more players. Even more interestingly, the new players will apply unique knowledge, discovery, and natural experience through their choice logic. The multi-dimensionality within Game Theory outcomes specifically will explode."





Steve Nouri

Founder & Board Member Generative Al

1.4M followers

+Follow

Cassie Kozyrkov

Chief Decision Scientist Google

500K followers

+Follow





Anurag Harsh

Fortune 500 C-Suite Operator Holcim

270K followers



"Over the next five years, the evolution of generative AI technologies is likely to reshape the landscape of data science and analytics in profound ways.

- Automated Data Preprocessing:
 One of the significant challenges in data science is data preprocessing, which involves cleaning, transforming, and organizing raw data. Generative Al models could simplify this process by assisting in tasks like missing value imputation, outlier detection, and feature engineering.
- Insight Generation: Generative models could aid in the generation of insights from raw data. They could analyze datasets and provide initial observations, trends, and patterns, helping data analysts identify potential avenues for further exploration.

- Automated Report Generation:
 Data analysis often culminates in creating reports to communicate findings to stakeholders. Generative AI models could streamline this process by automatically generating summary reports, visualizations, and explanations.
- Hypothesis Generation: Data scientists often begin their analysis with hypotheses to test. Generative Al models could generate potential hypotheses based on patterns and correlations they identify in the data.
- Interpretability: Generative models are often regarded as "black boxes" due to their complexity. Ensuring interpretability and understanding the reasoning behind their outputs will be crucial, especially in contexts where decisions are based on their insights."



Carla Gentry

Data Scientist
Analytical-Solution
370K followers

+Follow

Dr. AngShuMan Ghosh

Founder & CEO Menrva Technologies

330K followers

+Follow





Aishwarya Srinivasan

Data Scientist Google

454K followers



Arihant Jain

Head Data Science, Analytics and Product

IIFL Finance

31K followers

"It's going to be a fantastic next 5 years seeing the evolution of GPTs and LLM. What I believe is it's going to improve productivity and help achieving more in less.

In some areas of photography, context, audio and video it's going to be path breaking.

Also it's going to help a lot in customer service and improving experience of the customers."



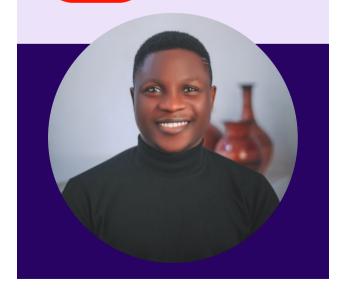
Olanrewaju Oyinbooke

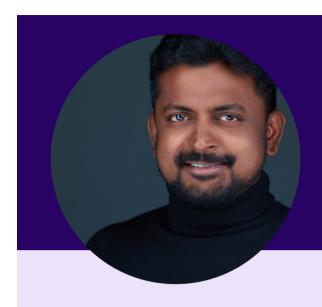
Senior Cloud Advocate Microsoft

25K followers

"Every century, there is a redefinition of jobs due to technological advancement. We are in the midst of yet another revolution.

The coming years will experience a great shift in the nature of jobs in the data analytics domain; complex tasks will become easier and seemingly impossible tasks will turn complex but possible."





Vijay Pravin Maharajan

Founder and CEO bitsCrunch

52K followers

+Follow

"Ethical and Bias Considerations: While generative models offer many benefits, they also raise concerns about potential biases and ethical implications in data analysis.

Researchers and practitioners will need to be cautious and implement safeguards to ensure fairness and transparency.

t's important to note that while these potential impacts are exciting, challenges such as model interpretability, bias mitigation, and the need for domain expertise will remain crucial considerations in the adoption of generative AI technologies in the data science and analytics field.





Daliana Liu

Senior Data Scientist Predibase

240K followers

+Follow

Arif Alam

Founder
Data Science Reality

174K followers







Nick Singh

Data Science Interview
DataLemur

151K followers



Mike Erlihson

Principal Data Scientist and Al Lead Salt Security

43K followers

+Follow

"Here are a list of important milestones changes that generative Al technologies like GPT-4 and beyond could bring about in the next five years:

Hyper-Personalized Analytics:

- Al-anchored solutions possessing the ability to not only analyze data, but also comprehend the precise context of your business or research. These systems would provide tailored insights and recommendations that cater to your unique need.
- Generative models could evolve to continually refine their own algorithms, adapting to new data trends and offering increasingly accurate insights without human intervention.
- Generative models capable to autodetect shifts in data patterns and adjust analytical models on-the-fly.

Advanced Simulation & Forecasting:

- Al could simulate complex economic scenarios by generating synthetic yet plausible datasets, allowing for unprecedentedly nuanced risk assessments.
- Generative Al could simulate complex systems to predict emergent phenomena, which traditional statistical methods struggle with.

Democratization of Expertise:

 "Virtual expert models", capable of understanding and contributing to specialized fields, thereby democratizing access to expertise.

Meta-Generative Models:

 Models that can generate specialized Al models tailored for specific analytical tasks based on the problem description."

16



Piyanka Jain

CEO

Aryng

19K followers

"In the next 5 years, business and tech people alike should expect 40-50% of their document creation work including deck, documents, memos, reports, even Jira tickets to be outsourced to generative AI."

+Follow

lain Brown

Head of Data Science, Northern Europe SAS

25K followers

"Generative AI, like GPT-4, will revolutionise data science in the next five years. It promises automated data cleaning, dynamic report generation, and enhanced creative analytics.

These models can translate intricate statistical results into comprehensible insights, aiding the democratisation of data. However, they also blur the line between real and generated, necessitating a greater focus on ethics, authenticity, and interpretability."





Brij kishore Pandey

Principal Software Engineer ADP

305K followers

+Follow

Hilary Mason

Co-Founder Hidden Door

159K followers

+Follow





Srivatsan Srinivasan

Chief Data Scientist Cognizant

131K followers



Susan Walsh

Founder & MD
The Classification Guru Ltd
35K followers

+Follow

"I think it has the potential to make us more efficient and accurate, however, as with any technology, it should be used in conjunction with people who are subject matter experts (SME's) in that specific area.

There will be lots of areas where generative AI (GenAI) will help us humans do the jobs we hate to do, faster and more accurately than we can, (we've already seen this with the scanning of documents using RPA and

OCR), but we need to make sure that we don't blindly trust the tech - ask yourself what is the source of the data, and does this tally with what I know?

And of course being the Fixer of Dirty Data, it wouldn't be right if I didn't mention that like all AI and ML, GenAI needs clean data sets to learn from, so hopefully in the next five years this will become a priority for ALL organisations to invest in this, not the smart few..."





ATLANTA, GEORGIA

IN-PERSON + STREAMING GLOBALLY



Akhil Gupta

Founder & CPTO
NoBroker.com

39K followers

"Generative AI tech like GPT-4 and others will bring in automation for mundane & repetitive tasks in daily life and free up human mind for stuff that needs creativity and innovation. These techs will improve the quality of the life and allow human to use their minds for news avenues "



Justin Hodges

Senior AI/ML Technical Specialist Siemens Digital Industries

33K followers

"I view two categorical modalities:
A) Continuation of
democratization of DS/ML for
non-experts in other fields
(support, better user experiences,
consolidation of expert
knowledge), and B) Supplementing
developer productivity, mostly
through boiler plate code
generation as well as 'auto'
documentation."







Aman Chadha

Al Leadership Amazon

90K followers

+Follow

Kristen Kehrer

Al Developer Advocacy & Data Science Data Moves Me, LLC

92K followers

+Follow

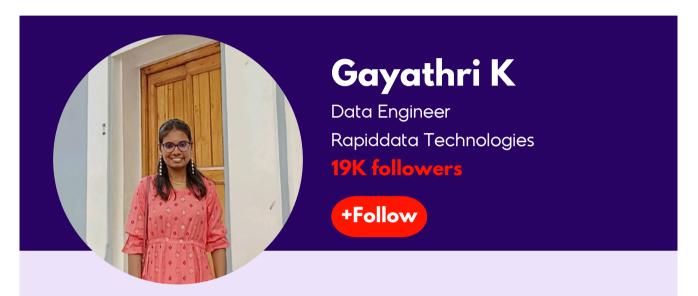




Andrew Jones

Data Science & Analytics
DATA SCIENCE INFINITY
98K followers





"In the next five years, generative AI technologies will be like a magic wand for data scientists and analysts. With a simple wave of their wand, they will be able to create new data, improve the quality of existing data, and analyze data in new and creative ways. This will lead to a more data-driven culture in organizations and new possibilities for discovery and innovation.

For example, generative Al models can be used to:

 Create synthetic data to test machine learning models.

- Generate text to create marketing materials or news articles.
- Generate images to create product renders or marketing images.
- Identify and correct errors in data sets.
- Explore new hypotheses by analyzing data in new ways.

Overall, generative AI technologies have the potential to revolutionize the way data science and analytics are done. They will make data science and analytics more accessible, accurate, and efficient, leading to new possibilities for discovery and innovation."



Tom Davenport

Distinguished Professor Babson College

285K followers

+Follow

Ken Jee

Head of Data Science Scouts Consulting Group

117K followers

+Follow





Preksha Kaparwan

Building ExcelGPT Super Al

234K followers



Matthew Blasa

Al Strategist and Founder Aspire360

24K followers

"Its going be decisive. Its going to go in three ways: more efficiency, new job opportunities, and the ability to do knowledge management better. More efficiency means faster development times and at cost. New job opportunities in ops and support for LLMs and Al. Knowledge management in how we share our tribal knowledge -LLMs are great at helping people find knowledge quickly and access it. Analytics and data teams will have better ways to collaborate and work together."

+Follow

Qiusheng Wu

Associate Professor
University of Tennessee,
Knoxville

38K followers

"Generative AI has significantly transformed the geospatial domain by revolutionizing the way we analyze, visualize, and utilize geographic data. Coupled with geospatial foundational models and big data, generative AI enables us to retrieve, analyze, and visualize geospatial data in the cloud. As generative AI techniques continue to advance, their impact on the geospatial domain is poised to reshape how we perceive, understand, and interact with the world around us."







Carly Taylor

Senior Manager Security Strategy Activision

105K followers

+Follow

"I believe we are at an inflection point not dissimilar to when the automobile was invented.

Hardly anybody at that time could foresee how this technology would reshape the world - from highways to parking lots, increased freedom for families, and the downstream impacts of client change - because in that moment, cars were still sharing the roads with horses. GenAl is going to fundamentally shift and shape the world around us in ways we haven't even begun to understand."





Zach Wilson

Founder EcZachly Inc

285K followers

+Follow

Krish Naik

Co-Founder & CIO <u>i</u>Neuron.ai

196K followers

+Follow





Arpit Singh

ML Engineer
ThirdAl Lab

234K followers



Alex Freberg

Founder & CEO
Analyst Builder

237K followers

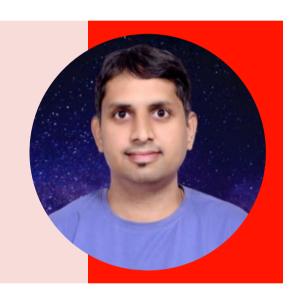
+Follow

Deepak Goyal

Data Engineer Microsoft

147K followers

+Follow





Michael Spencer

A.I. Writer AiSupremacy

206K followers



Christophe Zoghbi

Founder & CEO Zaka 12K followers

+Follow

"Generative AI models like GPT-4 will likely redefine data science and analytics by enabling more efficient data processing and generating insights.

Automation of complex analytical tasks will become more accessible, empowering businesses to draw conclusions without needing extensive expertise.

These technologies will enhance predictive analytics, allowing for personalized and real-time solutions across various sectors, including Legal, Media, and Finance.

The democratization of AI will further boost innovation and collaboration, opening new avenues for startups and individuals to harness the power of AI.

Al literacy and upskilling programs will play a crucial role in ensuring that the workforce can adapt to these rapidly evolving technologies.

Overall, generative AI will foster creativity, efficiency, and inclusivity in the field of data science and analytics, making them more accessible and impactful in decision-making processes."





Rajiv Shah

Machine Learning Engineer Hugging Face

12K followers

"Generative AI technologies will open up entirely new use cases for data scientists. We are no longer limited to discriminative machine learning models that solely predict outcomes. Instead, we can now leverage generative approaches to synthesize completely new text, images, audio, and other media as part of the data science workflow. This fundamental shift enables data scientists to tackle entirely new problems in creative ways."



Gaurav Shekhar

Assistant Dean
The University of Texas at
Dallas

14K followers

"Every century, there is a redefinition of jobs due to technological advancement. We are in the midst of yet another revolution.

The coming years will experience a great shift in the nature of jobs in the data analytics domain; complex tasks will become easier and seemingly impossible tasks will turn complex but possible."





Teneika Askew

Analytics Product Manager US Navy

107K followers

+Follow

Michael Green

Data Scientist NIM Group

102K followers

+Follow





Abhishek Vijayvargia

Senior Data Scientist Microsoft

117K followers



Nitin Aggarwal

Head of Al Services (GenAl) Google

58K followers

+Follow

"These technologies will surely be reshaping data science and analytics. My top 3 takes are:

- Automate many of the tasks that are currently performed. This will enable DS and Analysts to focus on more strategic tasks.
- Supporting writing code/building models: Helping DS and analysts writing SQL query and action as an

assistant to take lots of workloads to focus on generating insights and coming up with new ideas.

 Storytelling: One of the most important pieces to deliver value to various business stakeholders. These tools will help them to build a strong and clear story to present the results."

Alexey Grigorev

Founder DataTalks.Club

40K followers





Danny Butvinik

Chief Data Scientist NICE Actimize

91K followers

+Follow

Khuyen Tran

MLOps Engineer
Ocelot Consulting

91K followers

+Follow





Matt Dancho

Co-Founder

Quant Science

93K followers



Milan Janosov

Chief Data Scientist Baoba

20K followers

"I believe these tools will put our productivity to the next level, leave much more space for our creative work, and spare loads of time from repetitive, tedious tasks. I also think that the rise of these new technologies will allow data scientists and specialists to widen their perspectives by experimenting with many new tools and venturing into different domains of knowledge and expertise."

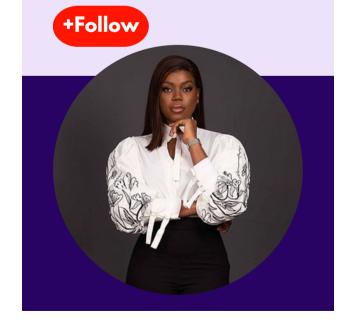
+Follow

Alexandra Ighodaro

Data Engineer Wema Bank

30K followers

"Generative AI models like GPT-4 hold the promise of encouraging interdisciplinary collaboration across different fields like digital innovation, content generation, marketing, and customer service. This collaborative effort can span a wide range of domains, including the utilization of conversational AI for data exploration, the enhancement of data visualization and storytelling, the delivery of real-time insights, and beyond."





Greg Coquillo

Product Management, Media Automation Amazon

185K followers

+Follow

Kate Strachnyi

Founder & Community Manager DATAcated

168K followers

+Follow





Rahim Zulfiqar Ali

Data & Business Analyst XLR8 Tech Solutions

145K followers



Jess Ramos

Senior Data Analyst & Data
Analytics Instructor
Crunchbase & LinkedIn Learning
114K followers

+Follow

"I believe these technologies will raise the bar for technical expectations and allow data professionals to work smarter not harder.

We'll be able to produce more work more quickly and free up our time to pursue more challenging projects. I also believe that it will open up many ethical and integrity issues among security and intellectual property.

The democratization of the information in these tools makes data professionals even more necessary because we possess the skills and knowledge to be able to apply this information with care and discernment. Al will not replace us!"

Christian Martinez

Finance Analytics Manager Kraft Heinz

37K followers





CENTER STAGE THEATER ATLANTA, GEORGIA

IN-PERSON + STREAMING GLOBALLY



Jonathan Tesser

Data Mentor
Jon Tesser LLC

142K followers

+Follow

Dhaval Patel

Founder Codebasics

143K followers

+Follow





Abhishek Thakur

Open Source Development Hugging Face

140K followers



Lewis Adams-Dunstan

Founder
Data Leaders - USA

27K followers

+Follow

"I think it will take the best part of this time frame to really understand the impact that these models will have. We only just started to over come the hurdle of executive understanding in Data, and in some cases, they're still way behind.

These tools will/should enable us to speed up that process by creating smaller and more obtainable wins that will start to clearly show ROI. Once some of this cools off to, I think that's when the real impactful uses cases for these technologies can be measured."

Bruno Aziza

Partner

CapitalG, Alphabet's Independent Growth Fund

"It will drive a complete transformation of the tech landscape. Transform disciplines and 10X customer experiences."

44K followers







Alex Wang

Data Science / Business Algorithms / Artificial Intelligence Al4Diversity

790K followers

+Follow

Tomasz Tunguz

Venture Capitalist Theory

383K followers

+Follow





Siraj Raval

Headmaster GPT School

52K followers



Jordan Morrow

Owner and Founder Bodhi Data

27K followers

+Follow

"I am hopeful that all these tools, over the years, become helpers and augment the human side.

Al will reshape the landscape of data and analytics, but I want it to reshape it in the sense that people will interact with it, be augmented by it. Some roles will be eliminated but hopefully some are created. We want to help these tools to help drive innovation and empower the human.

I love the technology and I hope the future is bright and exciting!"





Damien Benveniste

Author and Founder
The AiEdge Newsletter

133K followers

+Follow

Ankit Bansal

Data Engineer
Amazon Web Services (AWS)

126K followers

+Follow





David Langer

Founder Dave on Data

124K followers



Thinam Tamang

Machine Learning Scientist Speechify

18K followers

"Advanced AI technologies like GPT-4 will reshape data science in the next 5 years. They will augment data, advance natural language processing, automate report generation, and more. However, ethical use, potential biases, and accurate outputs are challenges that need to be addressed. Data scientists must understand the limitations and capabilities of these models to use them effectively while maintaining ethical standards."

+Follow

Patrick Bangert

SVP Data, Analytics & Al Searce

17K followers

"GenAl offers many useful and productive features such as summarization, enterprise search, and the generation of first drafts of text in human and programming languages. Data science and analytics are not natural features for a language model other than GenAl providing a conversational interface to simple analytics tasks such as drawing of diagrams and computing descriptive statistics."





Vipul Patel

Chief Al officer ElevateAl **97K followers**

+Follow

Andreas Kretz

Data Engineering and ML Systems Learn Data Engineering 111K followers

+Follow





Danny Ma
Principal Al Engineer
LUMOS

113K followers





"The future of Gen AI technologies is evident from the recent developments that's happening around the world - just look at the number of .ai domain registrations in the past 6-7 months.

It's already adopted by several organizations from different verticals/sectors.

That's being said, it still has a long way to go.

The amount of false information's being generated through hallucinations is something that needs to be taken care of in the future in order to maintain the trust in using such technologies."



Brandon Rohrer

Data scientist ezCater

130K followers

+Follow

Bojan Tunguz

Machine Learning NVIDIA

110K followers

+Follow

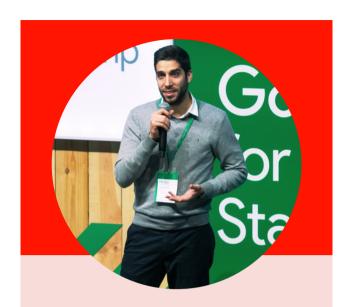




Pooja Jain

Senior Analyst CRISIL Limited

107K followers



Gonçalo Ribeiro

Co-Founder & CEO YData

16K followers

"Generative AI is a major breakthrough in the AI space and many applications are being redesigned with this novel technology.

However, generative models are optimized for generalization while many use cases require specialization - that said, we can expect many changes in the way we work but not a total disruption."



Federico Marengo

Senior Consultant White Label Consultancy

22K followers

"Generative AI will boost productivity and unleash the potential of data scientists and analysts.

This will be in particular in the early stages of the projects, for instance in planning, where generative Al could support in assessing, cleaning, and labeling large volumes of data."





Helen Wall

LinkedIn Learning Instructor LinkedIn

97K followers

+Follow

Ronaldo Lemos

Member of Spotify's Safety Advisory Council Spotify

125K followers

+Follow





Rami Krispin

Senior Manager Apple

104K followers



Gina Acosta Gutiérrez

Data Analyst
Factored

99K followers

+Follow

Parul Pandey

Principal Data Scientist <u>H2O.ai</u>

103K followers

+Follow





Benjamin Rogojan

Data, Automation And Analytics Consulting Seattle Data Guy

98K followers



Laurence Moroney

Al Lead Google

126K followers

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Sanjay Vishwakarma

Research Software Engineer IBM Research

26K followers





COC

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We offer a wide range of resources and services, serving as a primary connector to the larger data science ecosystem with large scale data conferences and a wide variety of partner-related media and event products.

At the core of Data Science Connect's mission is to make data science accessible to all. This means providing data science content for every background and experience level, with no geographic boundaries and often free of charge. This is only made possible by the organizations who believe in and support the mission of making data science accessible to all with partnerships that take on a variety of forms.

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