



28 JANUARY 2024



ETHICAL AI AND EVOLUTION: DPO & CISO PERSPECTIVE

TUESDAY 28TH JANAURY 2024
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A word of welcome



Conference:
Ethical Al and
Evolution

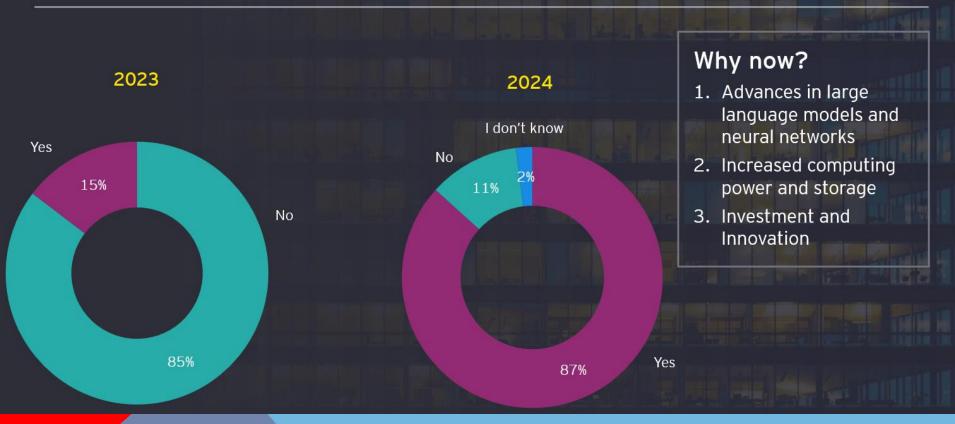


WEY TRENDS: STATISTICS



EXAMPLE OF CHANGE IN OPINION

Do you believe GenAl will help drive increased effectiveness and efficiencies within your tax function in the next three years?



2024 EY TAX AND FINANCE OPERATIONS SURVEY
CONDUCTED ANONYMOUSLY BY

0 X F 0 R D
E C 0 N 0 M I C S

- 1,600 LEADERS (WITH MAJORITY OF CFOS AND VP TAX)
- 32 COUNTRIES



EXAMPLE OF NEWS

17 janvier 2025 09:37

Apple a temporairement retiré son service d'intelligence artificielle qui résume des faits d'actualité après une plainte de la chaîne publique britannique BBC.



pple a désactivé, jeudi, l'un de ses **nouveaux outils d'intelligence artificielle (IA) générative, qui permet de recevoir des résumés sur l'actualité**, après des erreurs et une plainte de la BBC en décembre.



Le géant américain des smartphones a commencé à déployer, cet hiver, son système d'IA générative, "Apple Intelligence", deux ans après qu'OpenAI a lancé cette vague technologique avec ChatGPT, qui converse avec les utilisateurs et produit des contenus à la demande.

Essentials still are:

- Trust
- Risk
- Context
- The Trusted AI Solution Lifecycle?



WEY RISKS





Trust, Transparency & Accuracy

- Accuracy of data inputs and output results
- Over reliance on given information without due diligence on sources.
- Transparency: explain-ability and trace-ability of outputs



Privacy, Surveillance & Security

- Data collection with unclear use; will your sensitive data be made open to the public via the next training round?
- What surveillance applications of GPT will society deem ethical?
- Privacy & Cybersecurity Concerns



- Bias towards certain sub-groups due to public training data
- Bias in model can drive unfair outcomes in some business applications
- ▶ Toxicity in responses requires ongoing management



Legal Issues

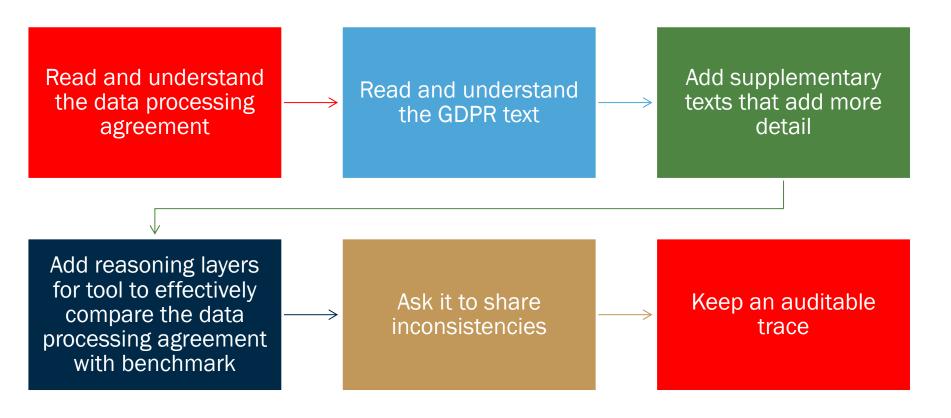
- Potential Copyrights and IP infringement
- Liability of Use
- GDPR Compliance



CAN AI ENABLE THE DRO

Use Case 1





Transfer Impact Assessment (TIA): the CNIL Consults You on a Draft Guide











PROTECTION OF YOUR PERSONAL DATA

PAGE CONTENTS

1. Introduction

- 1. Introduction
- 2. Why do we process your data?

This privacy statement explains the reason for the processing, the way we collect, handle and ensure protection of all personal data provided, how that information is used and what rights you may exercise in relation to your data (the right to access, rectify, block etc.).

Get the tool to check if a privacy statement made is correct

This is a task that can be automated and be provided to the DPO for review

The tool would need to understand the privacy statement –outline the relevant articles of the GDPR that underpin this text (esp. art. 13) and would need to benchmark against both



RECORD OF PROCESSING ACTIVITIES

Use Case 3



A GenAl solution have the power to create Record of Processing activities on the basis of :

Templates from supervisory authorities: e.g. the CNIL

Procedures, policies within a firm that outline the core processing activities per function

Data Processing Agreements that outline transfers of personal data

(automatically) identified and categorized data elements.

DPO elevated to reviewer, voice of the data subject and source of guidance for the business and senior management and liaison point with the business



DATA PROTECTION IMPACT ASSESSMENTS

Use Case 4







AIPD
Analyse d'impact relative à
la protection des données
(AIPD) 1 : la méthode

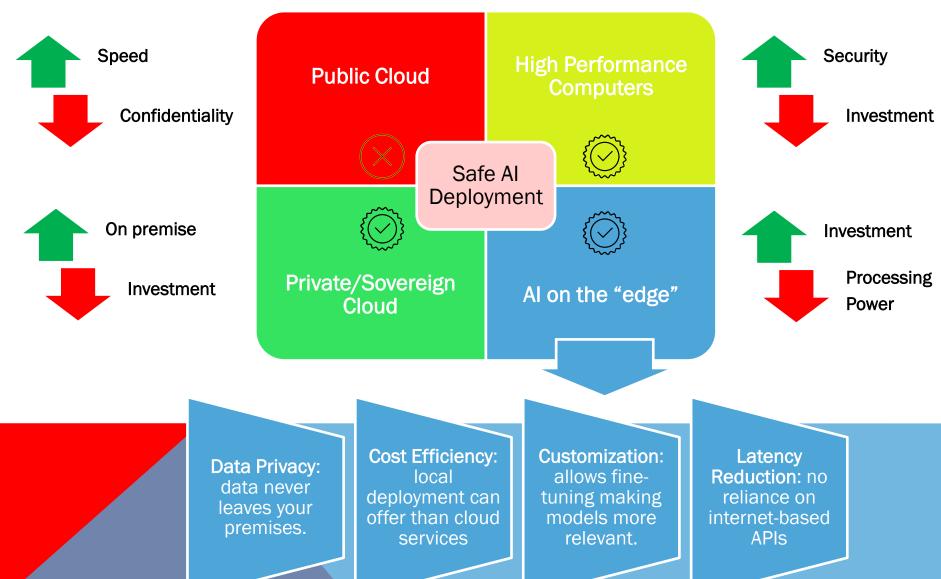
DPO and Controller reviews outputs and reiterates when presented with updates



The Al solution populates Data Protection Risk Assessment template

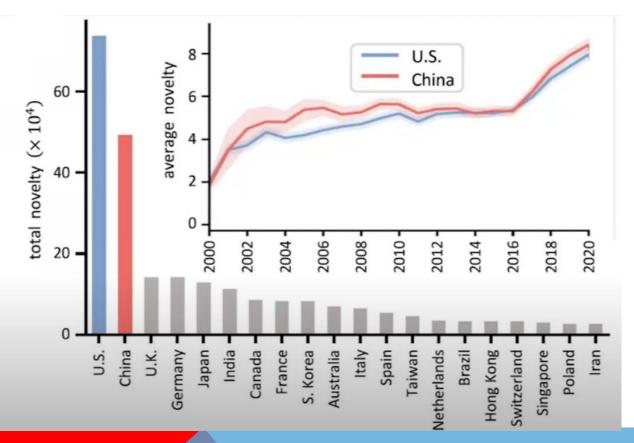


PRAGMATIC ETHICAL AI DEPLOYMENT

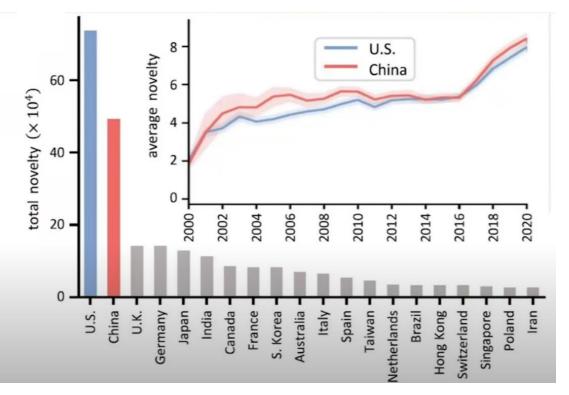




EVOLUTION







Open Al training: 5 billion USD

- Propriety model Black Box
- Massive financing and data centers
- Most advanced chips
- Heavy energy costs

Stargate: 100 - 500 billion USD

Deepseek R1 zero

- Open source model
- Al training: 5 million USD
- Performance, Chain of Thought COT
- Cheaper, less power
- Transparency & Censorship

Deepseek R1 zero is an open AI, developed in China with High Performance, Transparency and Minimal Cost

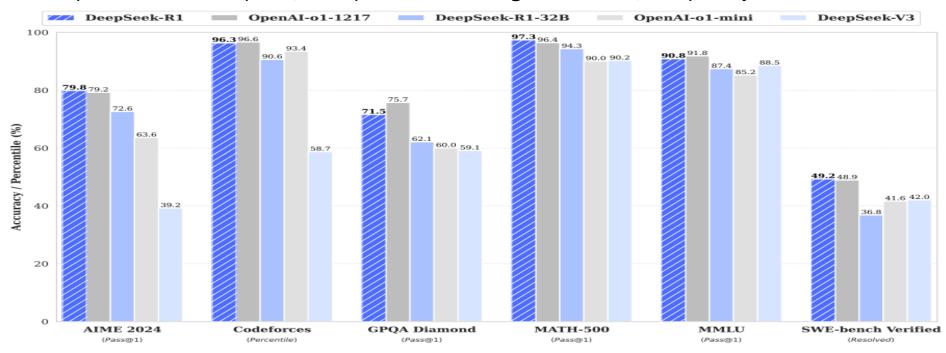
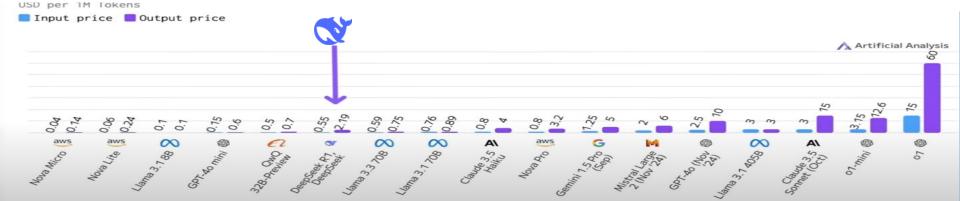


Figure 1 | Benchmark performance of DeepSeek-R1. arXiv:2501.12948v1 [cs.CL] 22 Jan 2025





BENEFIT OF CERTIFICATION GDPR & AI

(1) AIA Cert



AIA-Cert is a comprehensive and efficient certification scheme to assess and certify compliance with the main obligations of major AI regulations, including:

- the European Artificial Intelligence Act,
- the OECD Principles on artificial intelligence, and
- the Convention of the Council of Europe on artificial intelligence.

Developed by the European Centre for Certification and Privacy in charge of Europrivacy, the European Data Protection Seal recognized by all EU and EEA National Authorities.



- EU AI Act
- OECD Principles
- CoE Framework Convention on Al

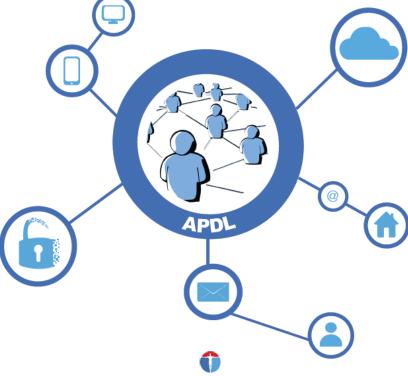
aiacert.com



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Association à but non lucratif créée par et pour les professionnels de la protection des données au Luxembourg



THANK YOU!