Data Protection and AI.														
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the ethics & compliance					••									
David Rosenthal, Partner, VISCHER	Ltd.													
September 27, 2024														

We all know the headlines ...

The Dangers of Uncontrolled A' Shadow AI and Ethical Risks

E.U. Agrees on Landmark Artificial Intelligence Rules

The agreemen comprehensive

securiti.a

Al lawsuits explained: Who's getting sue

nytimes.com

Authors, artists and others are filing lawsuits against genera companies for using their data in bulk to train AI systems with permission.

www.itpro.com

Why AI could be a legal nightmare for years to come

Bathgate last updated April 26, 2024

for AI has gone largely unchallenged so far, but all

Business Ethics

Why You Need an AI Ethics Committee

Expert oversight will help you safeguard your data and your brand. by Reid Blackman

www.hbr.org

www.techtarget.com

What does that mean for us?

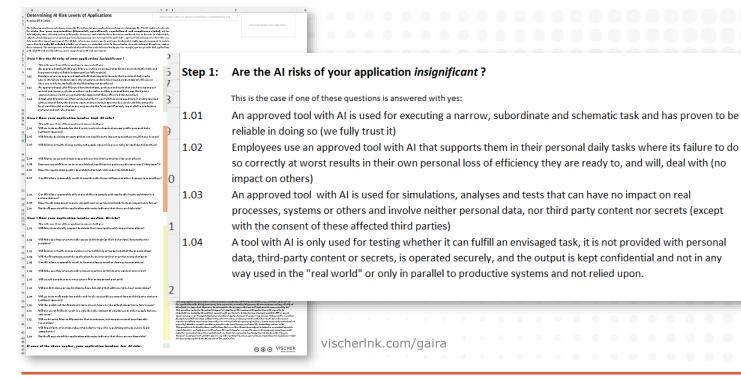
More work • More learning ٠ More concerns • There is good and bad news for us ...

More work

- The **bad** news
 - Internal pressure to move ahead with AI projects
 - Not only from IT, but also from the top and the business
 - "Tell us whether this is legally ok and what we need to do."
- The good news
 - The wave is already leveling off (see Gartner Hype Cycle)
 - Most projects are only "proof of concepts" that will not survive
 - Get basic infrastructure approved, so there is safe playground
 - Provide for "sandboxes" for experimental use of AI
 - Establish a risk-based approach; also define "irrelevant" AI
 - But: Going through detailed AI risks helps identifying gaps



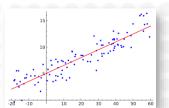
Risk-based approach?



What is AI after all?

- As per the EU AI Act "a machine-based system that is designed to operate with varying levels of autonomy and that may exhibit adaptiveness after deployment, and that, for explicit or implicit objectives, infers, from the input it receives, how to generate outputs such as predictions, content, recommendations, or decisions that can influence physical or virtual environments"
- The only practically relevant element is "autonomy"
 - In simple terms: An IT system that has been trained on how to decide, not only used programmed logic ...
- But: The definition is flawed ...
 - Every copy machine is AI (OCR); what about linear regression?
 - · Complexity or automated decision-making should be the test





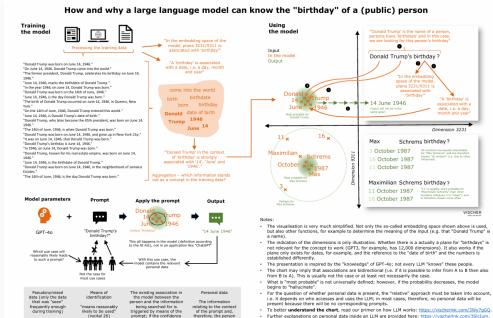
More learning

- The **bad** news
 - To assess the compliance of AI applications, we need to understand them, at least to a certain extent
 - It is not only about technology, but also mathematics ...
 - AI is developing so fast, it is almost impossible to stay up-to-date

The good news

- You can (and should) push back to your team
- The basic concepts are not all too complicated
- There are a lot of materials to explain the "magic" ...
- And: Even the experts do not fully understand why advanced AI is able to do what it does ...

Large language models?



named therein

level is high, the data

subjectis thus identified

· Further explanations on personal data inside an LLM are provided here: https://vischerlnk.com/3SicIum.

date, i.e. a day

VISCHER

Dimension 3231

Author: David Rosenthal - Version 4.8.2024 - More information: vischer.com/ai

How does a large language model work and what is really stored in it? vischerlnk.com/3Wy7qGQ

Does a large language model contain personal data? vischerlnk.com/3SlcIum

vischerlnk.com/3TuhLcg

GDPR

More concerns

- The **bad** news
 - Since (in particular generative) AI is a black box for many of us, we do not know how to assess the risks and apply our rules
 - The supervisory authorities face the same challenges
 - We need more information or apply stricter rules than necessary
 - E.g., on automated decisions, non-discrimination, transparency
- The good news
 - We will get used to AI (now that we are aware of it) and treat it as any other means to do things (much like with the Internet)
 - Companies realize that "ethical" use of AI is often a buzz-word
 - The existing rules continue to apply and mostly work very well



July 25, 1994 (time.com, Cover: James Porto)

FDPIC Expectations re AI

Current data protection legislation is directly applicable to AI

09.11.2023 – Artificial intelligence (AI) is penetrating economic and social life in Switzerland as elsewhere. The FDPIC therefore wishes to point out that the Federal Data Protection Act which has been in formation 1. Contember 2022, is directly Be ready to say NO and stay reasonable!

^{appl} In view of these requirements set out in the FADP, manufacturers, providers

The and users of AI systems must make the purpose, functionality and data

sign sources of AI-based processing transparent. The legal right to transparency is

on ti closely linked to the right of data subjects to object to automated data

human rights, democracy and the rule of law.

In Switzerland, the Federal Administration is evaluating various approaches to the regulation of AL This work will be completed by the end of 2024 after

https://www.edoeb.admin.ch/edoeb/en/home/ kurzmeldungen/2023/20231109_ki_dsg.html, archived at https://perma.cc/9C5A-6CCH

com.....

Data Protection Compliance #1

- 1st question: What do we do with personal data using AI?
 - Have we informed the data subjects about this in our privacy policy, in particular the purpose?
 - Did they have to expect this when we received their data?
 - Is what we are doing reasonably acceptable? Do we remain proportionate with regard to the purpose? Are important decisions being made or, if asked, scrutinized by a human being?
 - Is the data that we (re-)use **correct** and complete for our purposes (to the extent that we rely on it at all)?
 - Can we guarantee the **rights of data subjects** where necessary (e.g., where information, deletion or corrections are requested)?
 - Public bodies & GDPR: Does our legal basis cover the use of AI, or do we have consent?

David Resenthal	
	n Einsatz generativer
künstlicher Intell	
	<u> </u>
lich? Eine Analyse neigt: Das dieser technischen Entwickla sitte und Pflichten, sondern men, mit denen das bestehen ist klar zwischen dem zu unte dem, was aus wethischere Übs	Tinsatz generativer könstlicher Intelligent mög- Schweiter Datenschatzgeaut kommt auch mit ng gat zurecht. Is braucht nicht weitere Grund- mese tochnichen um eigenisstenische Mannch- de Recht simvoll umgestatt wenders kann. Dabei erschriden, was der Gesetzgeber vorschende, und ersigungen wittechenswert nich mag. Dieser Bei- mer mit Einteren. Er wetzt einen früheren Beitrag bei Kl-Systemen forz.
Beitragsart: Wissenschaftliche Rechtsgebiete: Datenschutz, M	

vischerlnk.com/3IdAymb

If the project could come with high risks for individuals: **DPIA**

Data Protection Compliance #2

- 2nd question: Who do we entrust with our personal data for processing, and what does this person do with it?
 - Becomes an issue when third-party providers (Microsoft, OpenAI, Google etc.) are used
 - Check for a Data processing agreement (DPA) incl. appropriate data security, international transfer, use of your personal data for own training and abuse monitoring purposes
 - Issue #1: Lack of maturity
 - Issue #2: Lack of transparency
 - Issue #3: Constant changes
 - Example: Microsoft "Copilot with commercial data protection"
 - DPA finally available? Automatic activation? Abuse monitoring?

vischerlnk.com/aiprovider-check



The usual stuff

when dealing

with personal

data – make

sure vou keep

control of it, in

using third

particular when

party providers

This is critical -

disclose highly

customer data?

confidential

Checklist: 18 Key AI Compliance Issues.

Go to vischer.com/ai for free resources on the issues below and on AI governance & risk management (no registration required)

AI = any system that produces output on the basis of training instead of only programming

Data Protection

- Do we have a proper contract when using a provider (e.g., a DPA, EU SCC, no own use of our data)?
- Do we tell people about the purposes for which we use their data or create data about them?
- Do we have measures in place if the AI produces wrong or otherwise improper data about them?
- When an AI makes important decisions about them, can they have it reviewed by a person?
- Is our AI protected against misuse, attacks and other security issues, in particular if we allow third parties to use it (e.g., chatbot)?
- Can we honor access and correction requests?
- Have we done a risk assessment (incl. DPIA)?

Contractual Commitments, Secrecy

- Do we comply with our secrecy obligations (e.g., when using providers, data leakage prevention)?
 - Do any of our contracts prohibit our intended use case (e.g., NDA that also restricts use of data)?

Third-Party Content Protection

- Do we feed third-party content to AI systems only where our licenses or "fair use" rules permit it?
- Do we avoid generating content that resembles pre-existing content of third parties?

EU AI Act (not yet in force)

- Do we make sure we are either not subject to the AI Act or what we do is not a prohibited practice and, if possible, also not a "high risk" AI system (and do we otherwise deal with it properly)?
- Where an AI creates deep fakes or interacts with or watches people, are they made aware of this?

Other (also ethical) Aspects

- Do we avoid discrimination when using AI?
- Do humans (really) keep control over the use of AI?
- Does our AI generate output we can justify/explain?
- Do we tell people how we use AI where it may be unexpected and allow them to opt-in or opt-out?
- Do we have adequate testing, monitoring and risk management of AI?

Copyright often no issue when using common sense

AI Act is about product safety; can also apply in Switzerland

What regulators love to impose upon you even without a legal basis ...



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Author: David Rosenthal (david.rosenthal@vischer.com) All rights reserved. For information purposes only (focused on European law). 16.5.24 Updates: vischerInk.com/ai-compliance-short

vischerlnk.com/aicompliance-short

You need to get AI under control? Six steps ...

- A robust data management is the basis of all push for it
- Regulate the tasks, authority and responsibilities ("AKV") in relation to AI (AI officer not needed, a committee may help)
- Decide on your AI principles and issue an AI policy use it to enable users and make them "safe", not only to restrict them
- Train for safe, legal and responsible use of AI, and provide for AI literacy – up to the board
- Map and track your use of AI and assess it (e.g., AI Act, FINMA requirements, if applicable, vischerlnk.com/3z7ZJG4)
- Include AI in your risk management process but follow a risk-based approach (most use cases will be low or medium risk, but you need to understand the unique risks of AI)

See our blog at vischerInk.com/3zjTL4R

See our piece on the AI Act and a cheat-sheet at vischerlnk.com/3ZkPOYh & vischerlnk.com/ai-act-uc

See our blog and our AI risk assessment tool GAIRA (also includes AI Act Check) vischerlnk.com/4bF85CW & vischerlnk.com/gaira

Thank you for your attention

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