

# Harnessing AI With Data, Innovation, and Regulation

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Dr. Phil Winder, CEO

12 December 2024 - ITAPA

87%

AI Projects don't make it into  
production

IBM

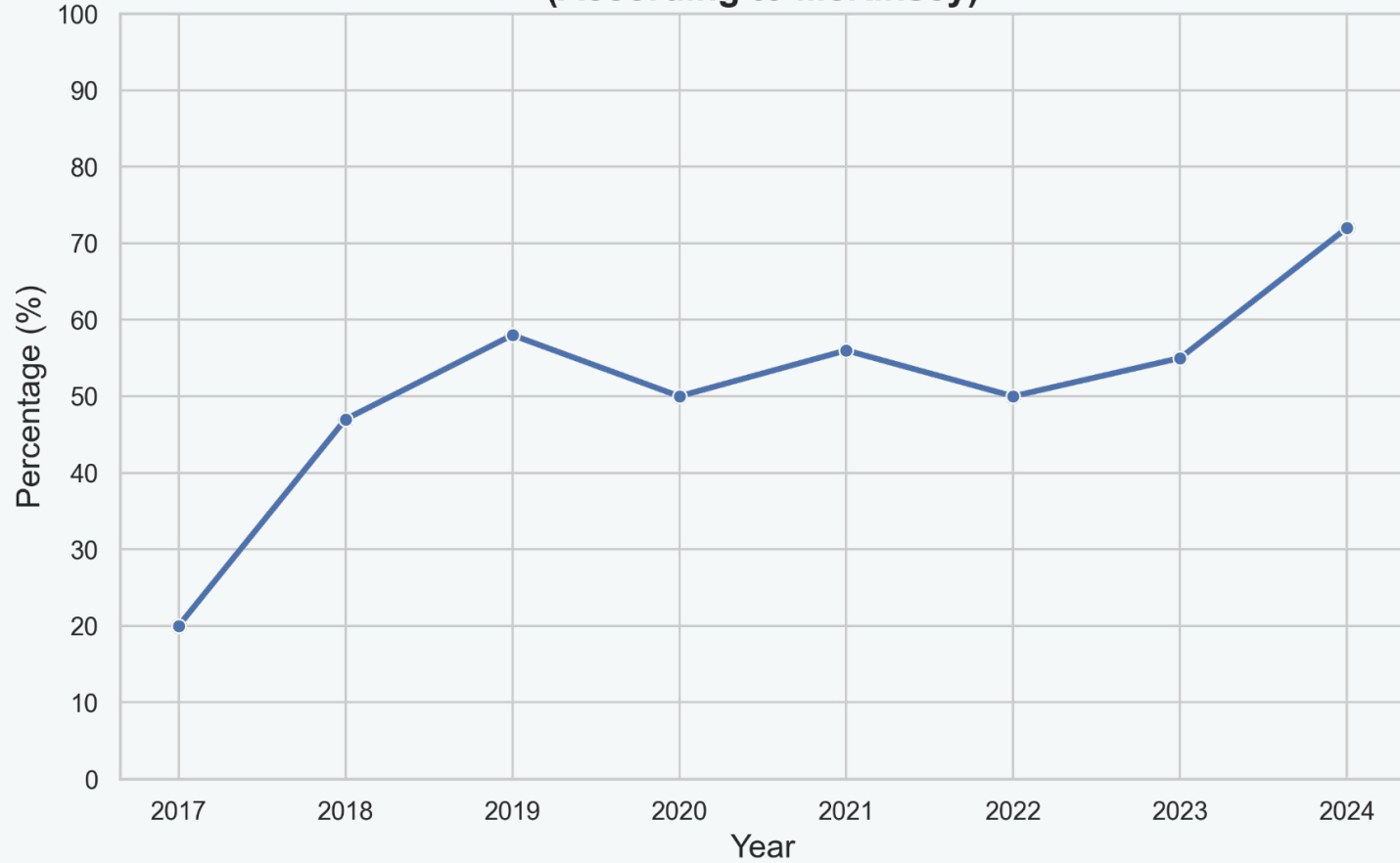
80%

of AI projects fail  
RAND Corporation

80%

AI failure rate as high as ...  
Harvard Business School

## AI Usage in Business (2017-2024) (According to McKinsey)



# Introduction

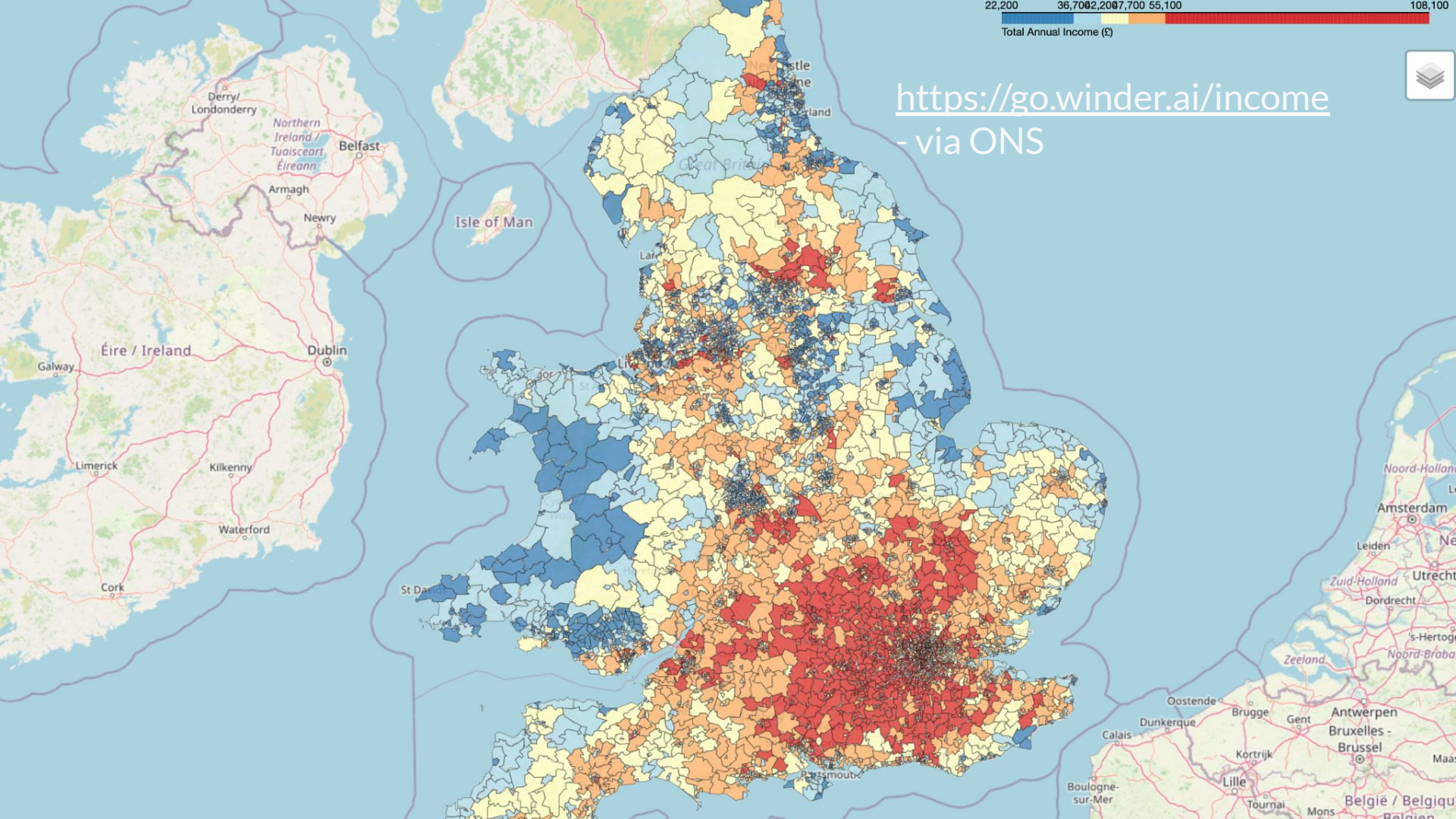
1. Data | 2. Use Cases | 3. Regulation

# 1. Data

- Data Management
- Data Cleanliness
- Data Transparency



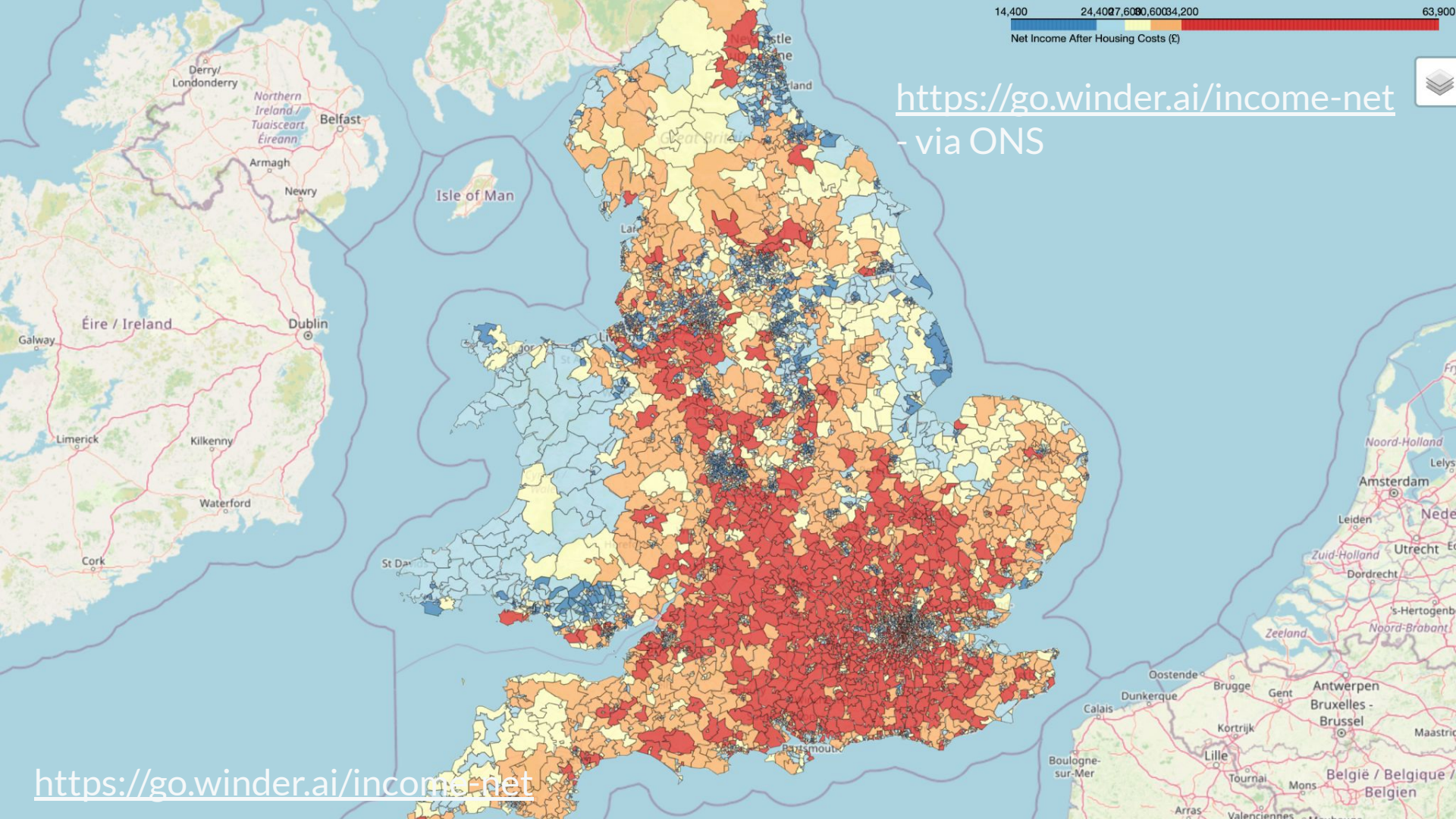
<https://go.winder.ai/income>  
- via ONS





14,400 24,400 7,600 60 34,200 63,900

Net Income After Housing Costs (£)



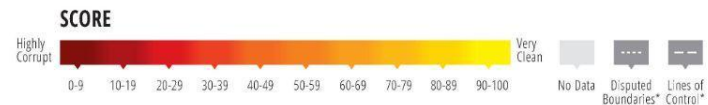
<https://go.winder.ai/income-net>  
- via ONS



<https://go.winder.ai/income-net>

# CORRUPTION PERCEPTIONS INDEX 2023

The perceived levels of public sector corruption in 180 countries/territories around the world.



\*The designations employed and the presentation of material on this map follow the UN practice to the best of our knowledge and as of January 2024. They do not imply the expression of any opinion on the part of Transparency International concerning the legal status of any country, territory, city or area or of its authorities or concerning the delimitation of its frontiers or boundaries.

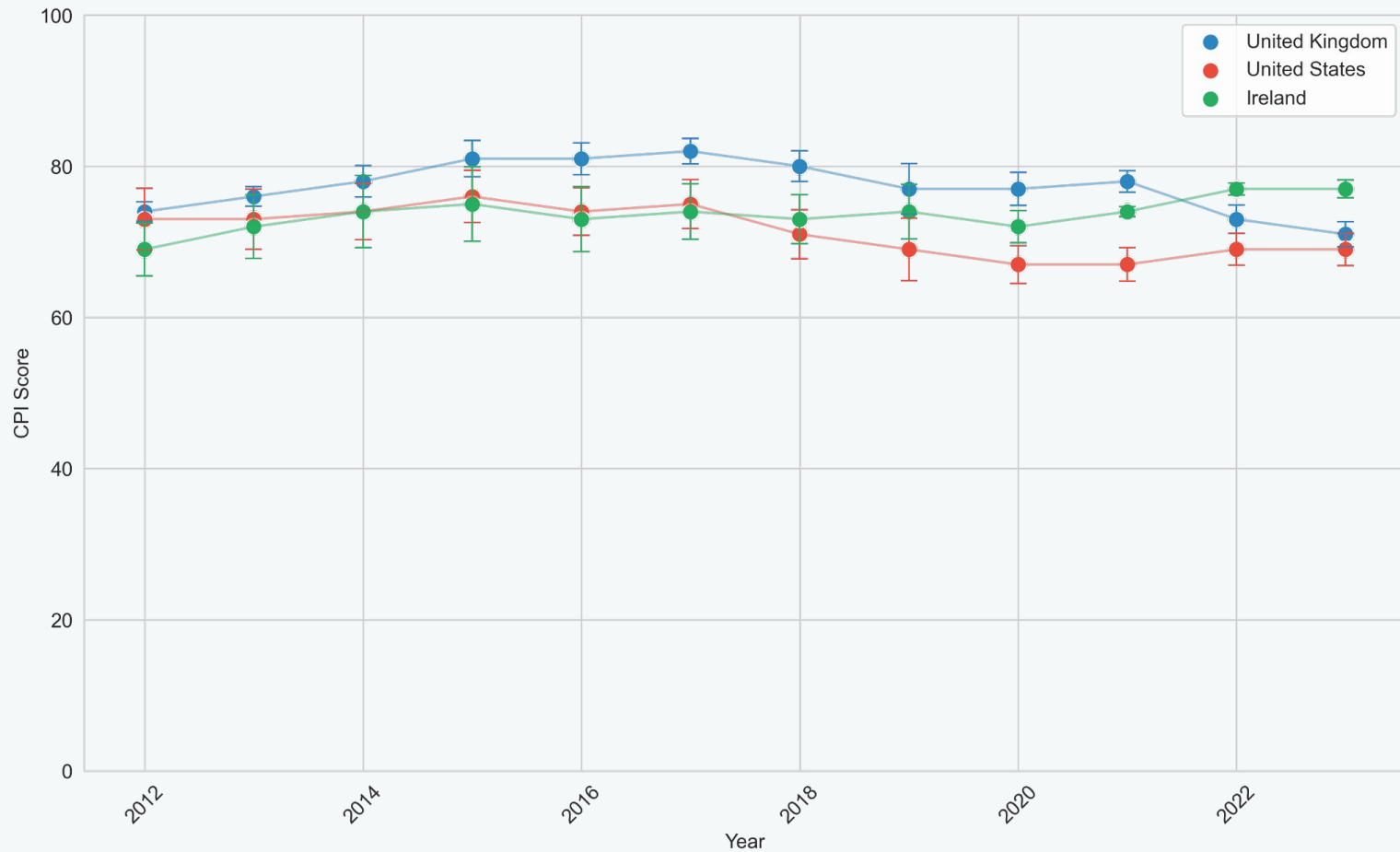
#CPI2023

[www.transparency.org/cpi](http://www.transparency.org/cpi)

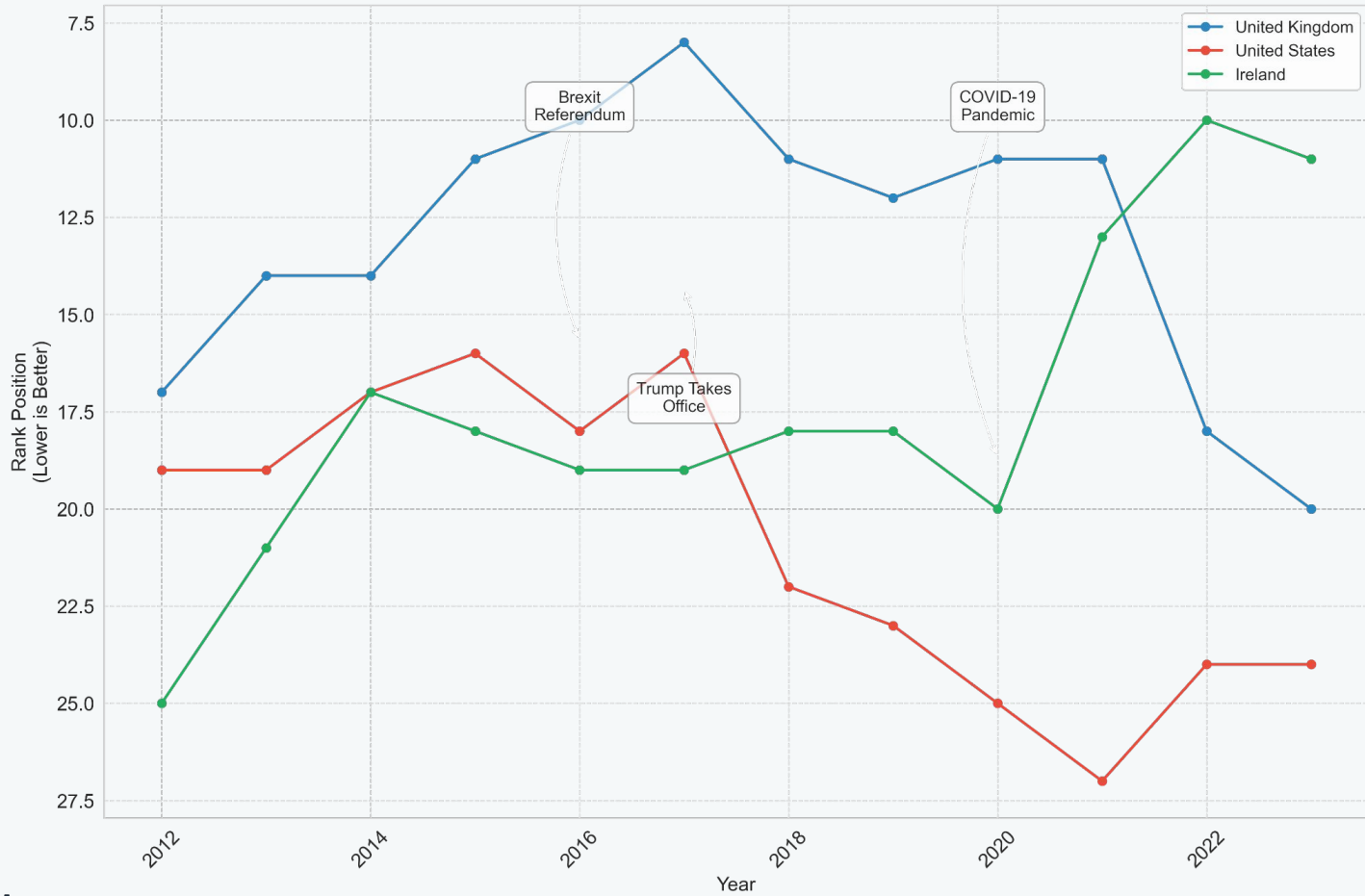
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CPI Comparison  
(2012-2023)



CPI Rank Position Over Time with Key Events  
(2012-2023)



# 2. Use Cases: Turning Potential Into Impact

Stable Audio 99998374 Upgrade to Pro

## Create AI music from text.

Trance, Ibiza, Beach, Sun, 4 AM, Progressive, Synthesizer, 909, Dramatic Chords, Choir, Euphoric, Nostalgic, Dynamic, Flowing

Trance, Ibiza, Beach, Sun, 4 AM,...

Stable Audio  
AI music creation

Start generating music for free.  
No credit card needed.

Generate music

0:00 1:34

Datasets Contact Training Logout Search

### School Discipline Policies

Manage Team

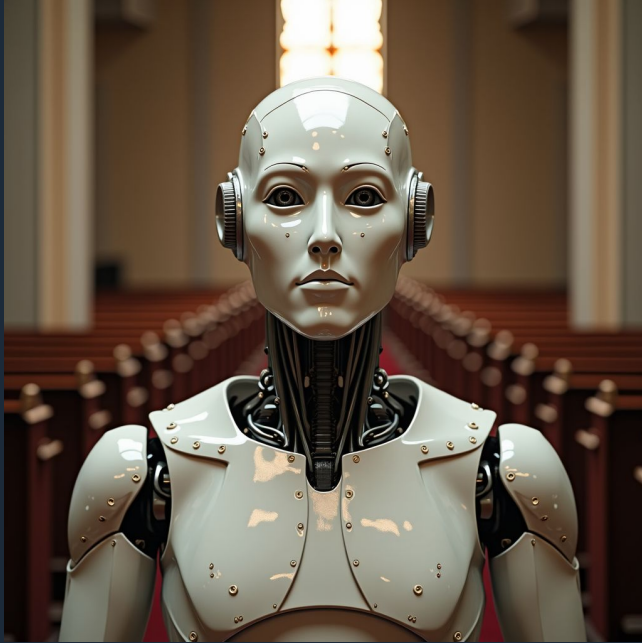
Profile Copy Overview

#### Questions

- 1 Does the state have a law regulating school discipline?
- 2 Does the law regulate school expulsion policies?
  - 2.1 What conduct requires expulsion?
    - 2.1.1 What is the minimum length of a required expulsion?
    - 2.1.2 May administrators modify mandatory expulsions on a case-by-case basis?
  - 2.2 What conduct may, but is not required to, be punished by expulsion?
  - 2.3 What conduct is explicitly prohibited by expulsion?

Record	Effective	Through	Progress	Series	
AK (Alaska)	1/1/2008	12/1/2018	26/29	Elizabeth Haibach	
AL (Alabama)	1/1/2008	12/1/2018	24/29	Elizabeth Haibach	
AR (Arkansas)	8/1/2017	12/1/2018	26/29	Batch 2	
AR (Arkansas)	8/16/2013	7/31/2017	25/29	Batch 2	
AR (Arkansas)	3/1/2012	8/15/2013	24/29	Batch 2	
AR (Arkansas)	7/27/2011	2/29/2012	25/29	Elizabeth Haibach	

https://moncler.com/user/profile



**'AI Jesus' avatar tests  
man's faith in machines  
and the divine**

**Using AI to Monitor Plastic  
Density in the Ocean**

Associated Press



# How to Make AI Successful

- **Focus on Specific Needs**
  - Tailor AI solutions to domain and industry-specific challenges for maximum impact.
- **Build for Scalability or Enablement**
  - Design AI applications to tackle scale for easy ROI.
- **Data is Key**
  - High-quality, clean, and transparent data ensures reliable AI performance.
- **Collaborate with AI**
  - Use AI to enhance human efficiency, not replace it.
- **Prioritize Ethics**
  - Transparent and fair AI builds trust and ensures sustainable success.

# 3. Regulation



You've heard of GDPR,  
but have you heard of...

# EU AI Act Timeline

Timeline	Obligation
2025, February	Prohibited
2026, August	Everything else (except high-risk)
2027, August	High-Risk
2031, January	Existing before August 2026

# How to Innovate With Regulation

Stay Informed on Regulations

Develop a Compliance Framework

Incorporate Ethical Design

Leverage Explainable AI

Conduct Regular Audits

Data Governance is Key

Train Teams on Compliance

Collaborate with Regulators

Invest in Legal and Tech Expertise

Create a Risk Management Plan

Innovate Within Guidelines

Foster Cross-Industry Partnerships



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The new battleground:  
data sovereignty

# Data Sovereignty

## - Proprietary Information

- Copyright and IP law
- Surprising fact -- data cannot be patented, only the process.
- Copyright is the only law that protects data, but is being exploited -- various legal cases ongoing
- Counterpoint, wayback machine lost it's court case placing the de-facto internet archive in jeopardy

# Data Sovereignty

## - Privacy

- Privacy law -- GDPR, CCPA, etc.
  - GDPR, EU AI Act, all have "national security" exceptions
- Interaction with “national security”
  - PRISM, Tempora, NSA/GCHQ -- all data is intercepted and filtered on trunk fibre
  - EHCR ruled GCHQ in violation of European Convention on Human Rights (Article 8) -- right to privacy -- fascinating read:  
<https://hudoc.echr.coe.int/eng?i=001-210077>
  - PATRIOT Act -- NSA can access any and all data if it is "reasonably believed"

.. and so on





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# How to Secure Data

- Ask someone like Winder.AI to build private AI services
- Check out <https://helix.ml> for a private LLM stack
- Robust data governance and tracking
- Regulation is here to help

# Conclusions

AI is a **game-changer**, but it requires thoughtful **data practices**, strategic **use cases**, and **compliance** readiness.

# Conclusions

The real question isn't if you will adopt AI.

The data shows that AI adoption increases every day.

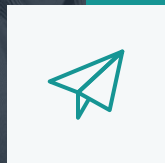
It is a powerful tool useful across all industries.

The real question is:

**how will you lead AI integration? And,  
what direction you will take?**

Choosing use cases wisely will help you get the most out of AI.

# Q&A



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VCARD