INNO·VERSE
powered by in-manas

DR. FRANZ BAILOM

The disruptive power of AI

Implications for businesses and nations

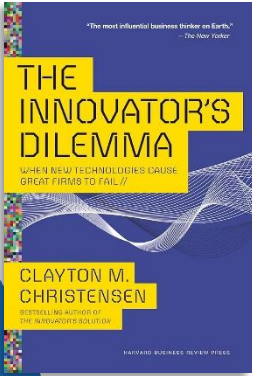
The passion that drives us at INNO-VERSE

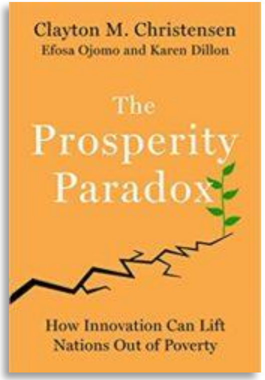
Simplify Innovation with AI

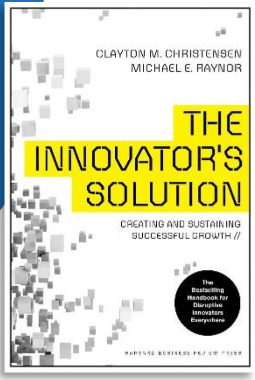
Dr. Franz Bailom

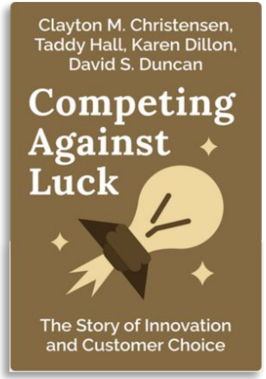
What impact will AI have on Companies?

Prof. Clayton Christensen (1952- 2020)
Harvard Business School
Most influential business thinker


"The most influential business thinker on Earth."
—The New Yorker
THE INNOVATOR'S DILEMMA
WHEN NEW TECHNOLOGIES CAUSE GREAT FIRMS TO FAIL //
CLAYTON M. CHRISTENSEN
BESTSELLING AUTHOR OF THE INNOVATOR'S SOLUTION
HARVARD BUSINESS REVIEW PRESS


Clayton M. Christensen
Efosa Ojomo and Karen Dillon
The Prosperity Paradox
How Innovation Can Lift Nations Out of Poverty

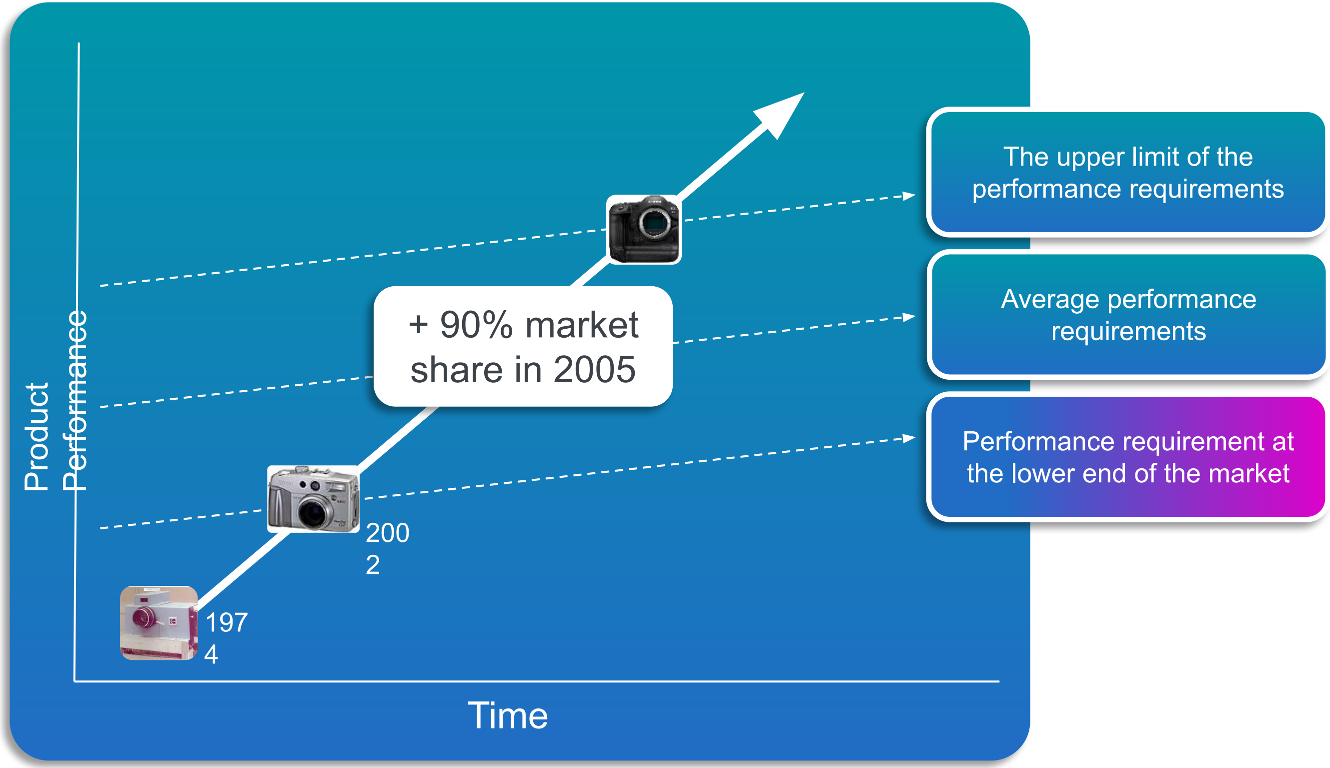

CLAYTON M. CHRISTENSEN
MICHAEL E. RAYNOR
THE INNOVATOR'S SOLUTION
CREATING AND SUSTAINING SUCCESSFUL GROWTH //
The Bestselling Handbook for Disruptive Innovators Everywhere
HARVARD BUSINESS REVIEW PRESS


Clayton M. Christensen,
Taddy Hall, Karen Dillon,
David S. Duncan
Competing Against Luck
The Story of Innovation and Customer Choice

Prof. Clayton Christensen

The innovators dilemma (Clayton Christensen)

Principles of disruptive developments


Product Performance
Time
1974
2002

+ 90% market share in 2005

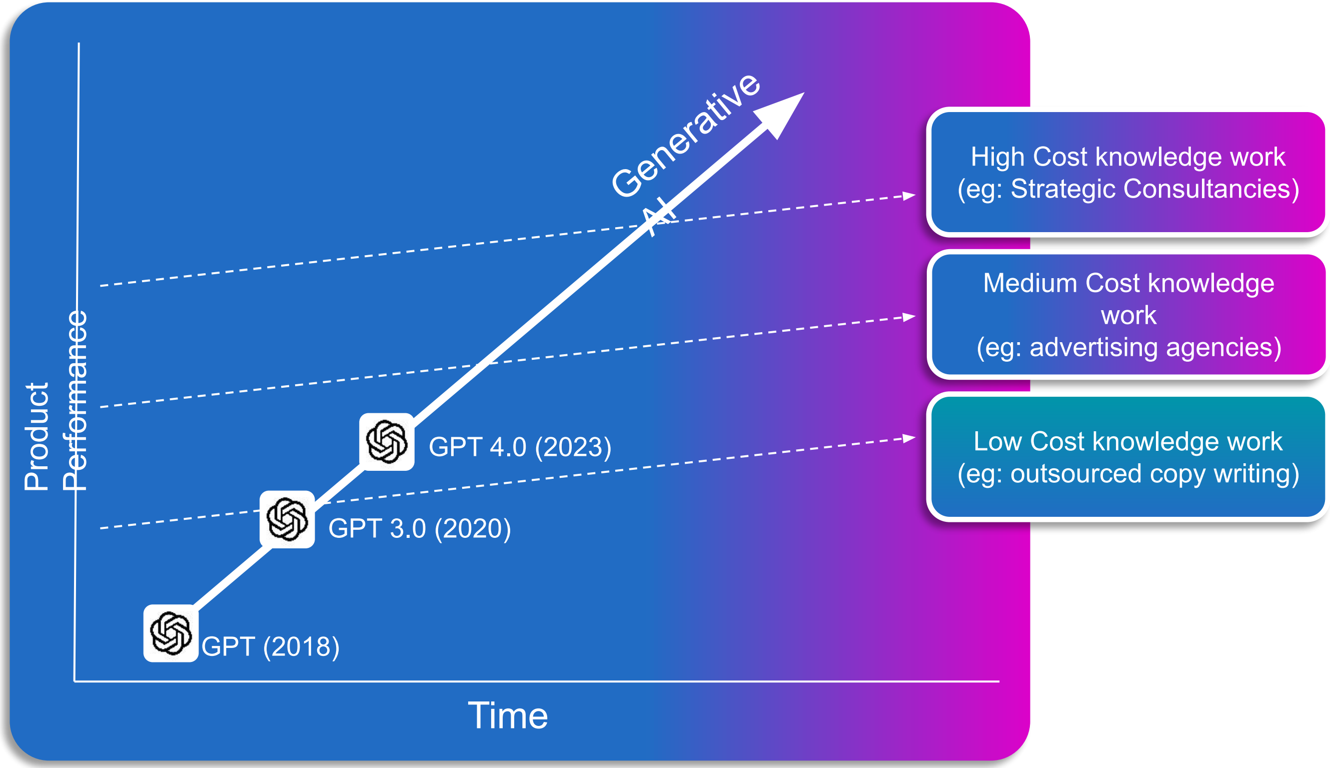
The upper limit of the performance requirements

Average performance requirements

Performance requirement at the lower end of the market

Source: Board of Innovation, 2023, The innovators dilemma (Clayton Christensen)

Generative AI is one of the most disruptive technologies we have ever seen


Generative AI
GPT 4.0 (2023)
GPT 3.0 (2020)
GPT (2018)
Product Performance
Time

High Cost knowledge work
(eg: Strategic Consultancies)

Medium Cost knowledge work
(eg: advertising agencies)

Low Cost knowledge work
(eg: outsourced copy writing)

How AI affects certain industries

Healthcare

- enabling more precise diagnoses,
- personalized treatment plans
- predictive analyses to prevent diseases
- …

Agriculture

- precision farming
- crop monitoring
- predictive analytics
- autonomous agricultural machinery.
- …

Industry

- enabling smart factories
- predictive maintenance
- quality control
- autonomous robotics on a whole new level…

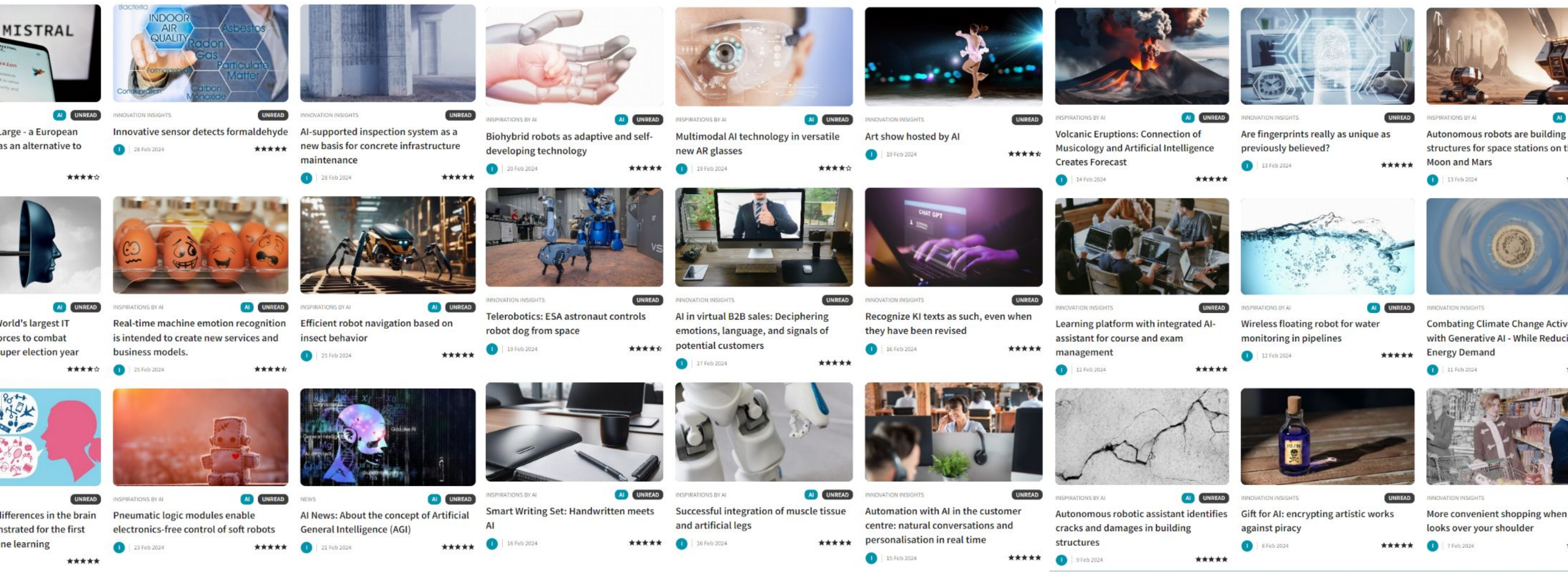
How AI affects certain industries

- [illegible]
- [illegible]
- [illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]

- [illegible]
- [illegible]
- [illegible]
- [illegible]

+ 1.000 Examples from all over the world



AI UNREAD
Large - a European
as an alternative to
★★★★☆

INNOVATION INSIGHTS UNREAD
Innovative sensor detects formaldehyde
I | 28 Feb 2024 ★★★★★

INNOVATION INSIGHTS UNREAD
AI-supported inspection system as a new basis for concrete infrastructure maintenance
I | 28 Feb 2024 ★★★★★

INSPIRATIONS BY AI AI UNREAD
Biohybrid robots as adaptive and self-developing technology
I | 20 Feb 2024 ★★★★★

INSPIRATIONS BY AI AI UNREAD
Multimodal AI technology in versatile new AR glasses
I | 19 Feb 2024 ★★★★☆

INNOVATION INSIGHTS UNREAD
Art show hosted by AI
I | 19 Feb 2024 ★★★★½

INSPIRATIONS BY AI AI UNREAD
Volcanic Eruptions: Connection of Musicology and Artificial Intelligence Creates Forecast
I | 14 Feb 2024 ★★★★★

INNOVATION INSIGHTS UNREAD
Are fingerprints really as unique as previously believed?
I | 13 Feb 2024 ★★★★★

INSPIRATIONS BY AI AI
Autonomous robots are building structures for space stations on t
Moon and Mars
I | 13 Feb 2024

AI UNREAD
Vorld's largest IT
orces to combat
uper election year
★★★★☆

INSPIRATIONS BY AI AI UNREAD
Real-time machine emotion recognition is intended to create new services and business models.
I | 25 Feb 2024 ★★★★½

INSPIRATIONS BY AI AI UNREAD
Efficient robot navigation based on insect behavior
I | 25 Feb 2024 ★★★★★

INNOVATION INSIGHTS UNREAD
Telerobotics: ESA astronaut controls robot dog from space
I | 19 Feb 2024 ★★★★½

INNOVATION INSIGHTS UNREAD
AI in virtual B2B sales: Deciphering emotions, language, and signals of potential customers
I | 17 Feb 2024 ★★★★★

INNOVATION INSIGHTS UNREAD
Recognize KI texts as such, even when they have been revised
I | 16 Feb 2024 ★★★★★

INNOVATION INSIGHTS UNREAD
Learning platform with integrated AI-assistant for course and exam management
I | 12 Feb 2024 ★★★★★

INSPIRATIONS BY AI AI UNREAD
Wireless floating robot for water monitoring in pipelines
I | 12 Feb 2024 ★★★★★

INNOVATION INSIGHTS
Combating Climate Change Activ
with Generative AI - While Reduci
Energy Demand
I | 11 Feb 2024

UNREAD
lifferences in the brain
nstrated for the first
ne learning
★★★★★

INSPIRATIONS BY AI AI UNREAD
Pneumatic logic modules enable electronics-free control of soft robots
I | 23 Feb 2024 ★★★★★

NEWS AI UNREAD
AI News: About the concept of Artificial General Intelligence (AGI)
I | 21 Feb 2024 ★★★★★

INSPIRATIONS BY AI AI UNREAD
Smart Writing Set: Handwritten meets AI
I | 16 Feb 2024 ★★★★★

INSPIRATIONS BY AI AI UNREAD
Successful integration of muscle tissue and artificial legs
I | 16 Feb 2024 ★★★★★

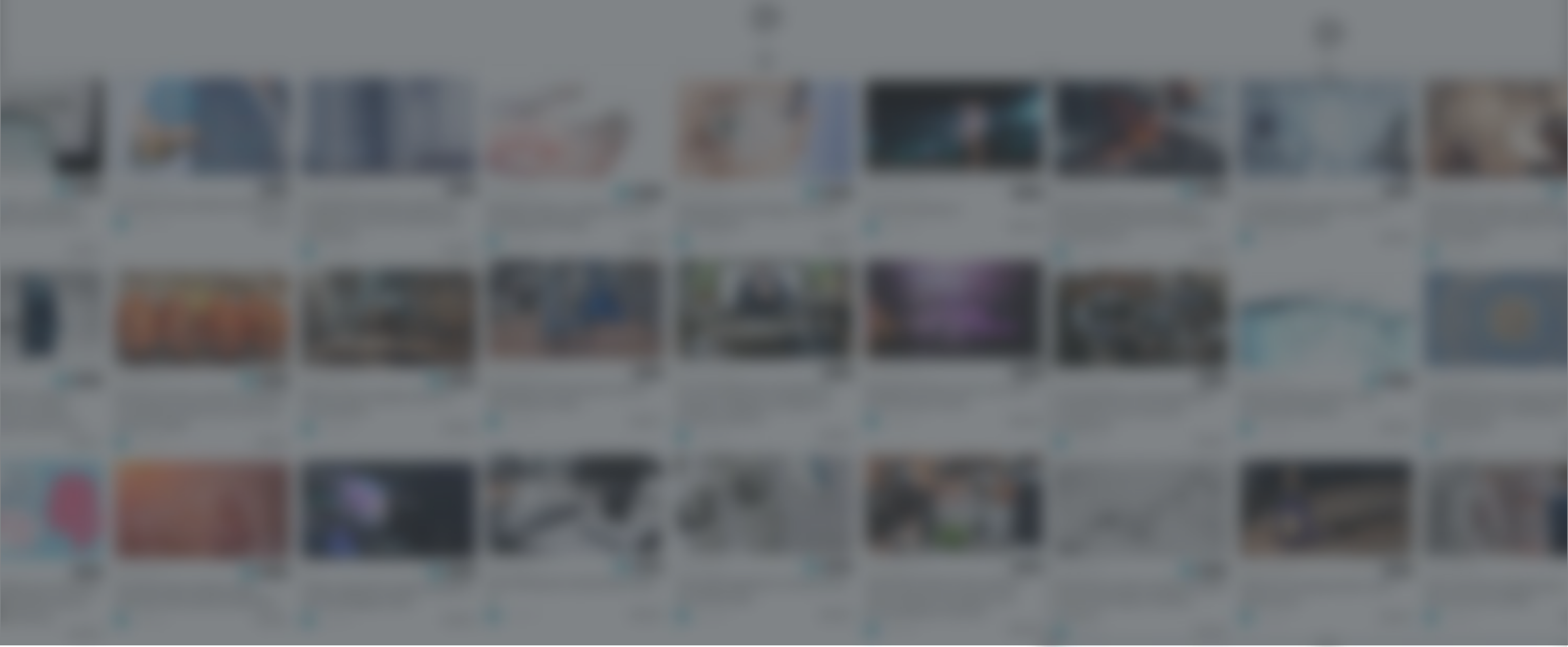
INNOVATION INSIGHTS UNREAD
Automation with AI in the customer centre: natural conversations and personalisation in real time
I | 15 Feb 2024 ★★★★★

INSPIRATIONS BY AI AI UNREAD
Autonomous robotic assistant identifies cracks and damages in building structures
I | 9 Feb 2024 ★★★★★

INNOVATION INSIGHTS UNREAD
Gift for AI: encrypting artistic works against piracy
I | 8 Feb 2024 ★★★★★

INNOVATION INSIGHTS
More convenient shopping when
looks over your shoulder
I | 7 Feb 2024

1,000 Examples from all over the world



What does that mean for European companies

USA leads the race, China is second

Investments in AI

USA

249 Billion USD

China

95 Billion USD

Germany

7 Billion USD

Leading AI Companies by market capitalization)

- » Microsoft
- » Alphabet
- » NVIDIA
- » Meta Platforms

- » Tesla
- » IBM
- » Palantir
- » Mobileye

- » Dynatrace
- » Uipath

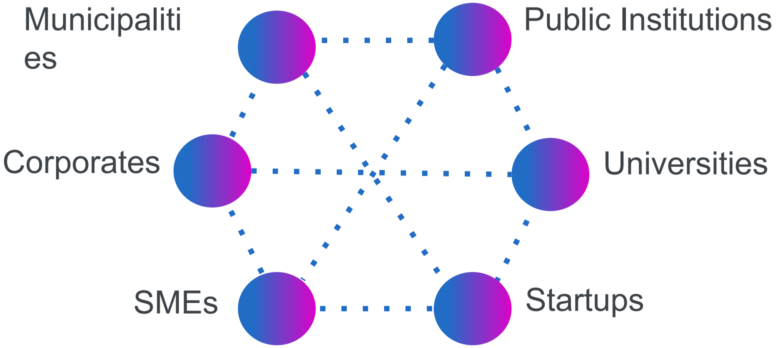
```
not parsedInput or not self.model:
 return None
ext.append(parsedInput) # Add new conversation
rn (self.model.generateLLMOutput(parsedInput), context)

eInputToLanguageModel(inputString, inputLanguage, context):
self.model is None or self.model.language != inputLanguage:
 # LLM is not initialised or has wrong language. load LLM
 self.model = self.loadAILanguageModelFromDatabase(inputLangu
 if self.model is None or not self.runModelSelfDiagnostic
     raise Exception("AI language model load failed")
     return None
.model.setLLMContext(context) # Put past conversation conte
nputParser = self.model.getInputParser()
rn llmInputParser.parseInput(inputString)

rateLLMOuput(parsedInput):
ontext = self.model.getLLMContext()
codeResponse = self.model.convertInputToIntermediateRe
ytecodeResponse is None:
raise Exception("Model failed to produce intermediate
return None
rn self.generateLocalLanguageResponse(parsedInput, b
```

What Clayton Christensen might recommend

Prof. Clayton Christensen

What countries need to focus on!

Innovation Ecosystems as a solution?



Municipalities

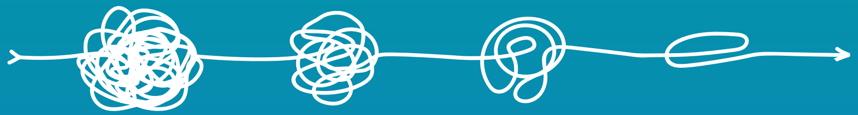
Public Institutions

Corporates

Universities

SMEs

Startups



Countries need to:

- » prioritize investments in innovation ecosystems to thrive in the AI economy.„
- » foster innovation and address ethical, privacy surrounding AI adoption, ensuring a balance between societal benefits and potential risks.„

Quelle: Jonas Andrulis

Three Steps to implement an AI Strategy

1

2

3