# Iteratív Big Data projektek vállalati környezetben

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**itSMF Magyarország**

# ITIL?

# with Data science?

# Is DATA SCIENCE a *SERVICE*?

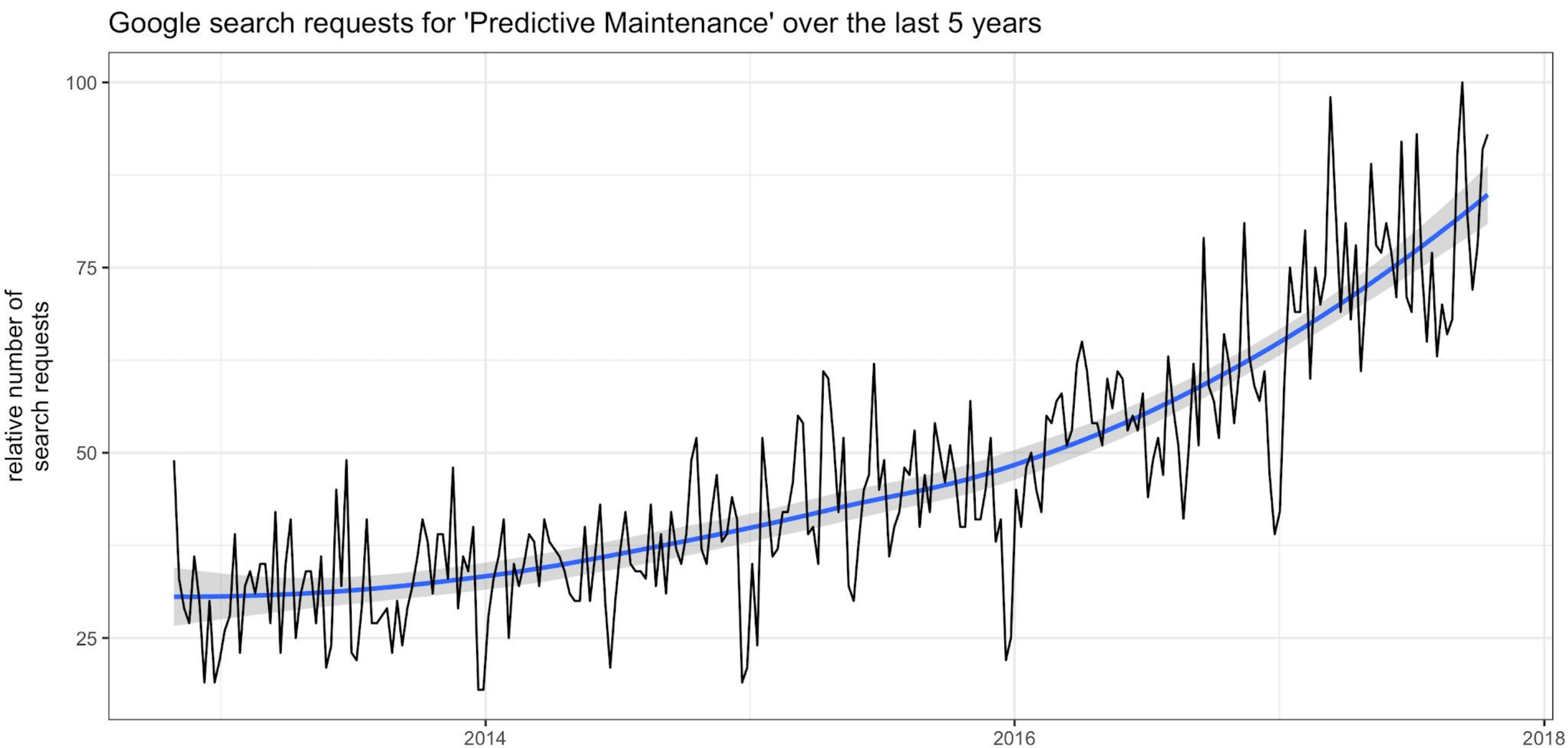
# Az a felelmetes 90%...

# Nekünk is szükségünk van ITIL-re!

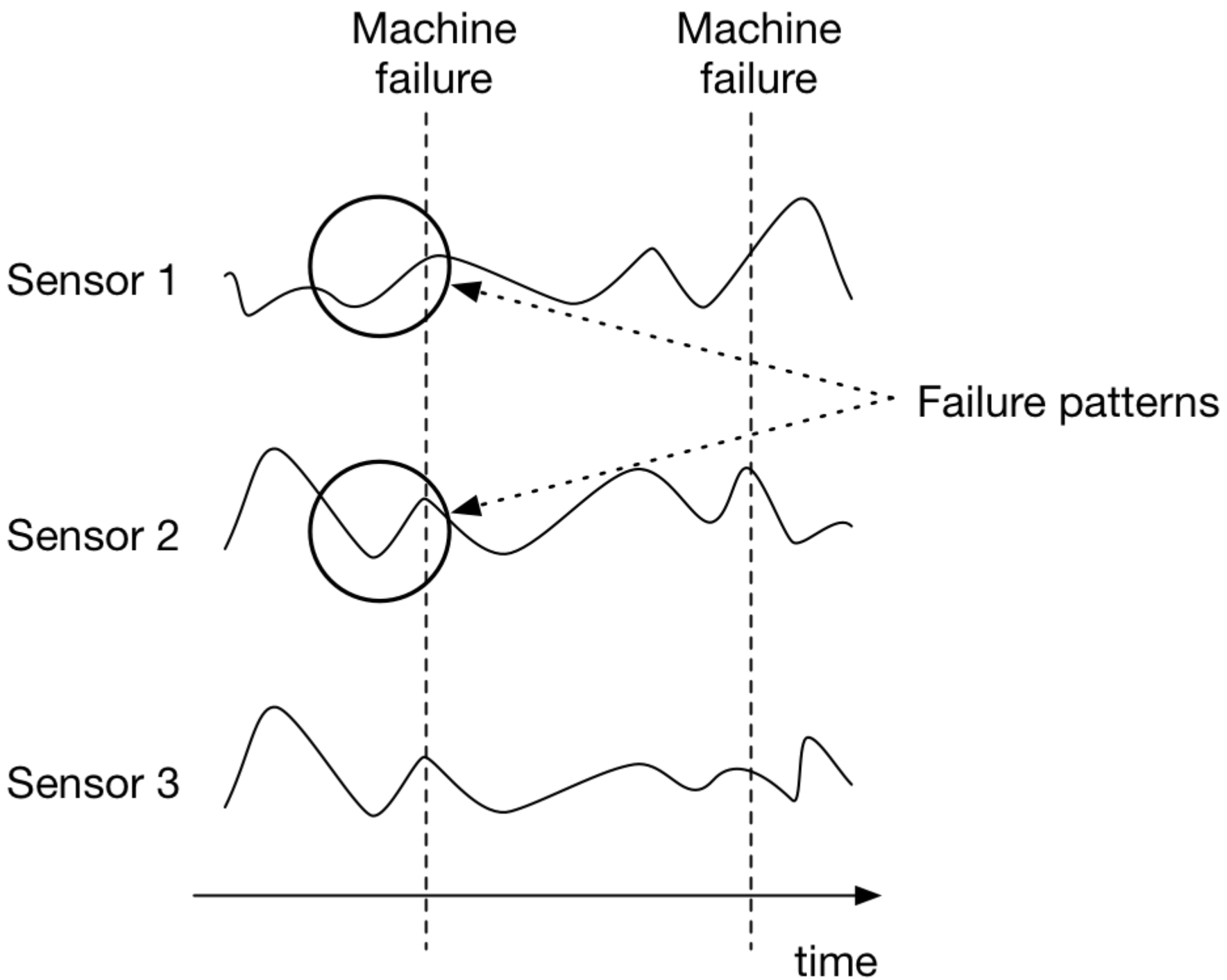
# Miert fontos az adat?

DATA ECONOMY

# Predictive maintenance



# Predictive maintenance



# Inventory forecasts

# Waste reduction

DATA PAO

# The future

# DATA ECONOMY

# How does a data project look like?

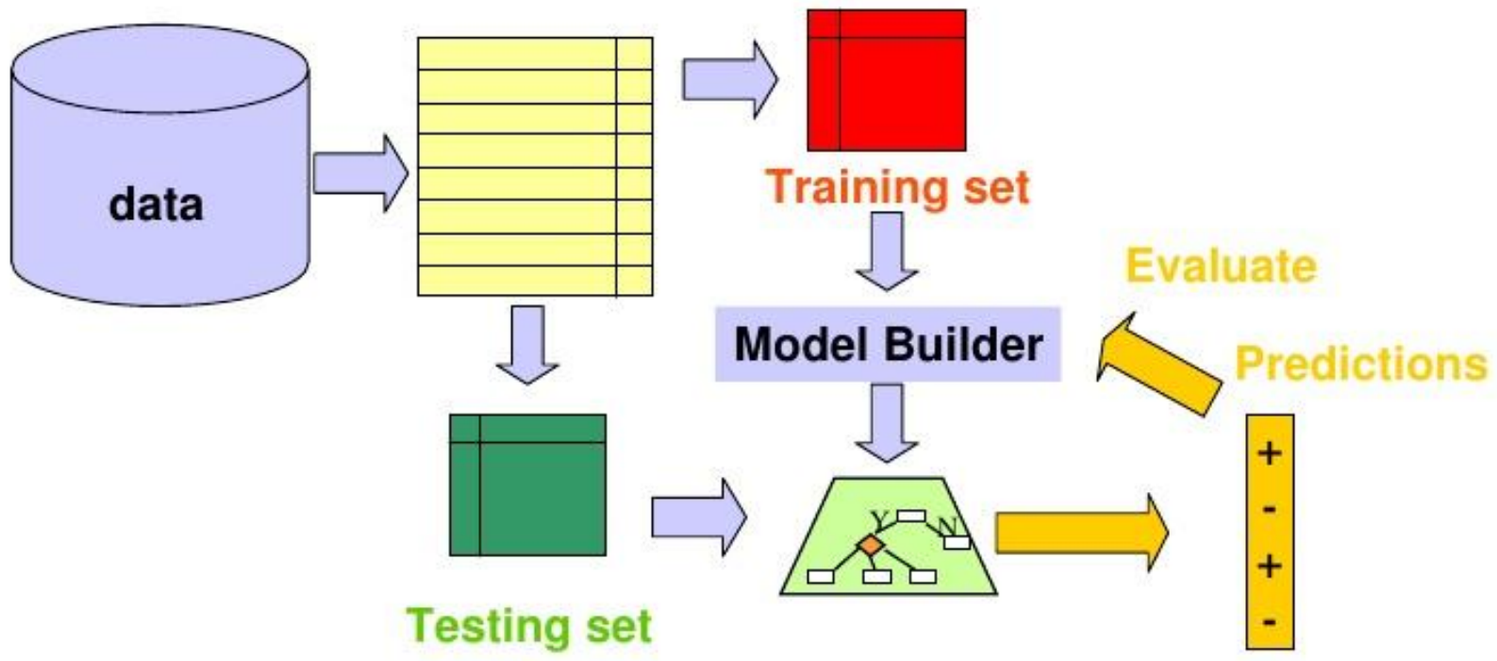
- Reporting
- Data analytics (retrospective)
- Machine learning
- AI

# Let’s take an example

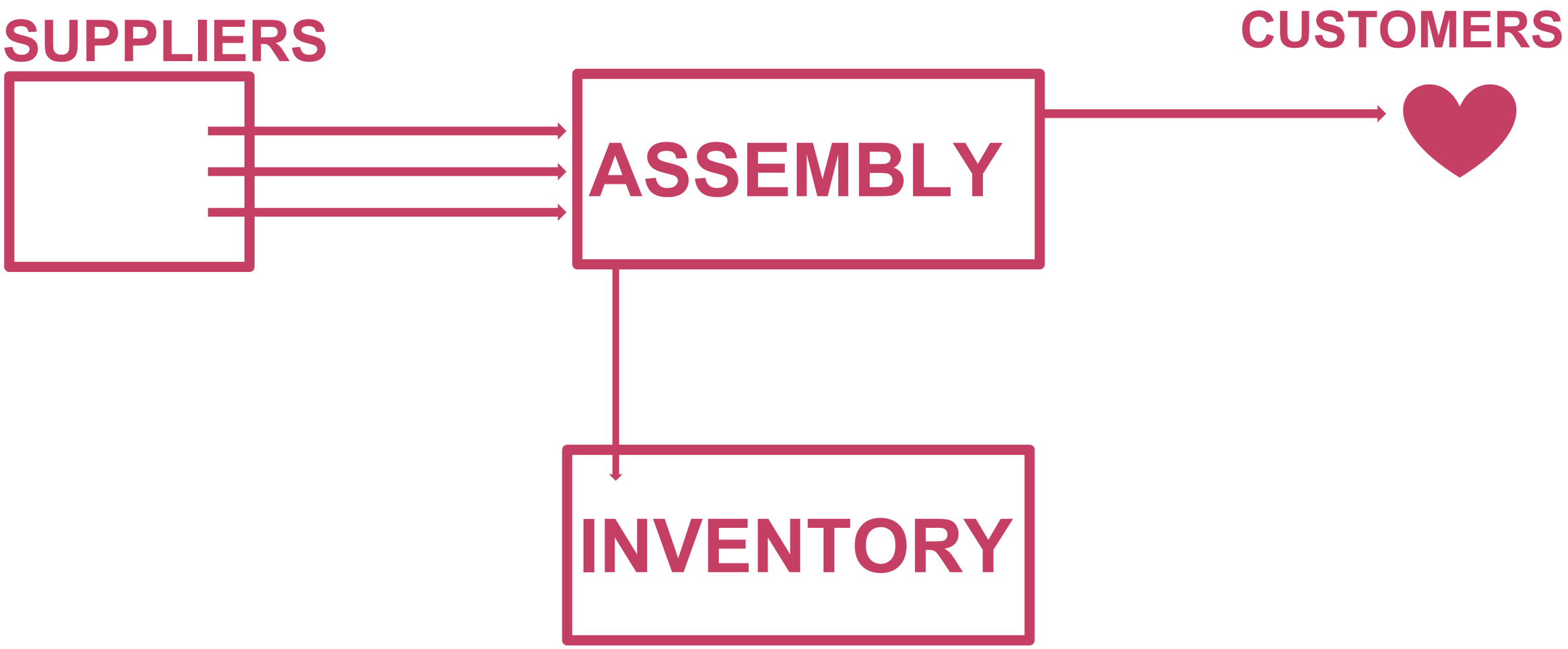
# Electronic good manufacturing

## Classification Step 3: Evaluate on test set (Re-train?)





# Let’s take an example



# Let’s take an example

- Inventory forecasts
- Layout optimisation
- Optimising logistics
- Securing supply chain
- Predictive maintenance
- Finding new services

# Service Strategy

- What is what we want?
- How will we use it?
- What do we need to use it?
- Do I have good data for it?

# Service Design

- Small steps!
- Iterative steps!
- Data analysts, Data scientists need support from the business

# Service Transition

- How do we reduce the risk?
- Change management?
- How we measure the change?

# Service Operation

- (Data science) ML is stochastic by nature
- What is precision?
- False positive and false negative - do we understand the metrics?

- **Monitoring**

# What do we monitor in an analytical pipeline

# SLA for ML?

# Continual Service Improvement

- The essence of ML!
- Do we affect the system we measure?
- What is the KPI?

# 5 years down the road...

## AI

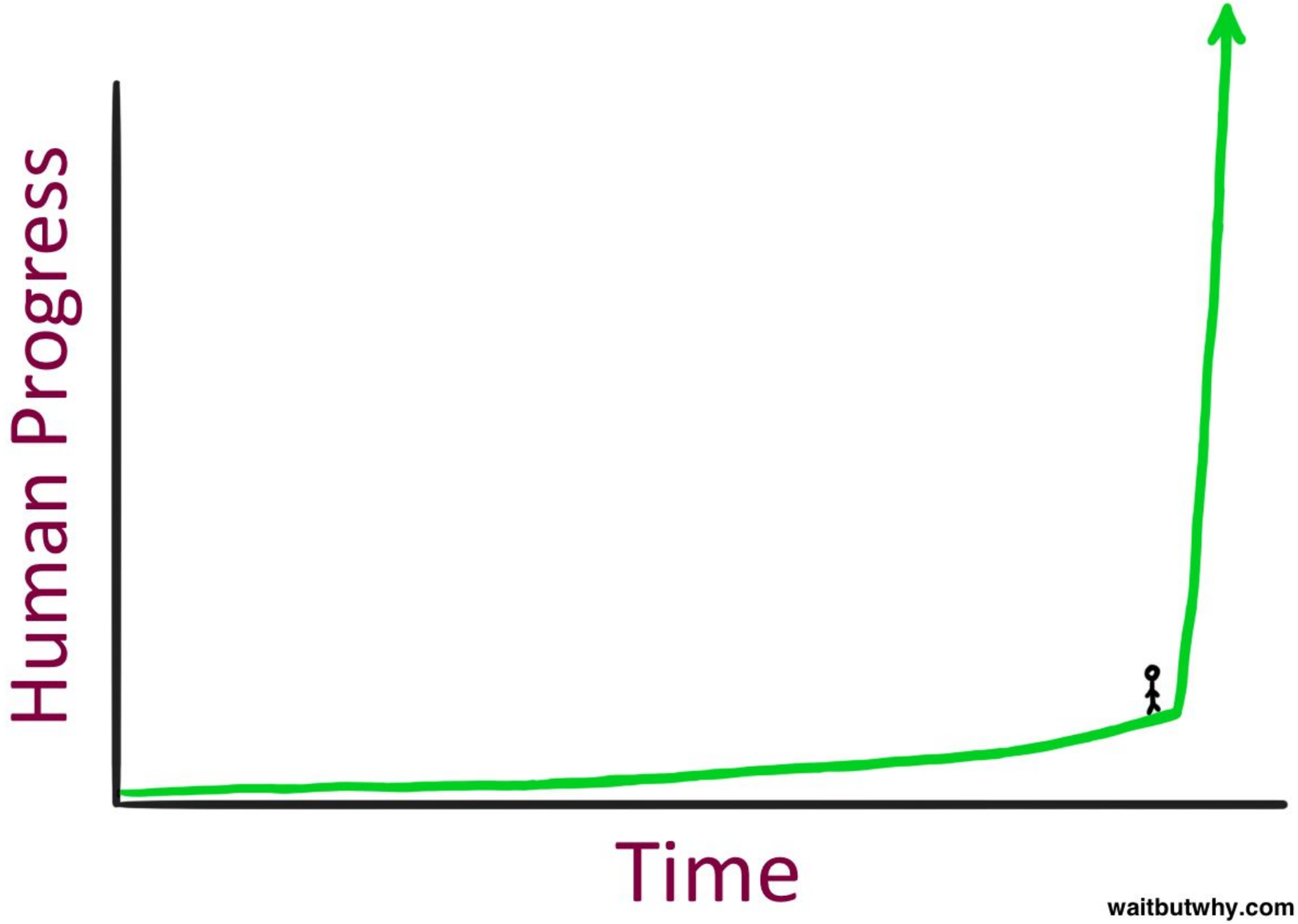
> ***Factories Are AI's Next Frontier***

> ***AI is the new electricity***

- *Andrew Ng*

# 5 years down the road...

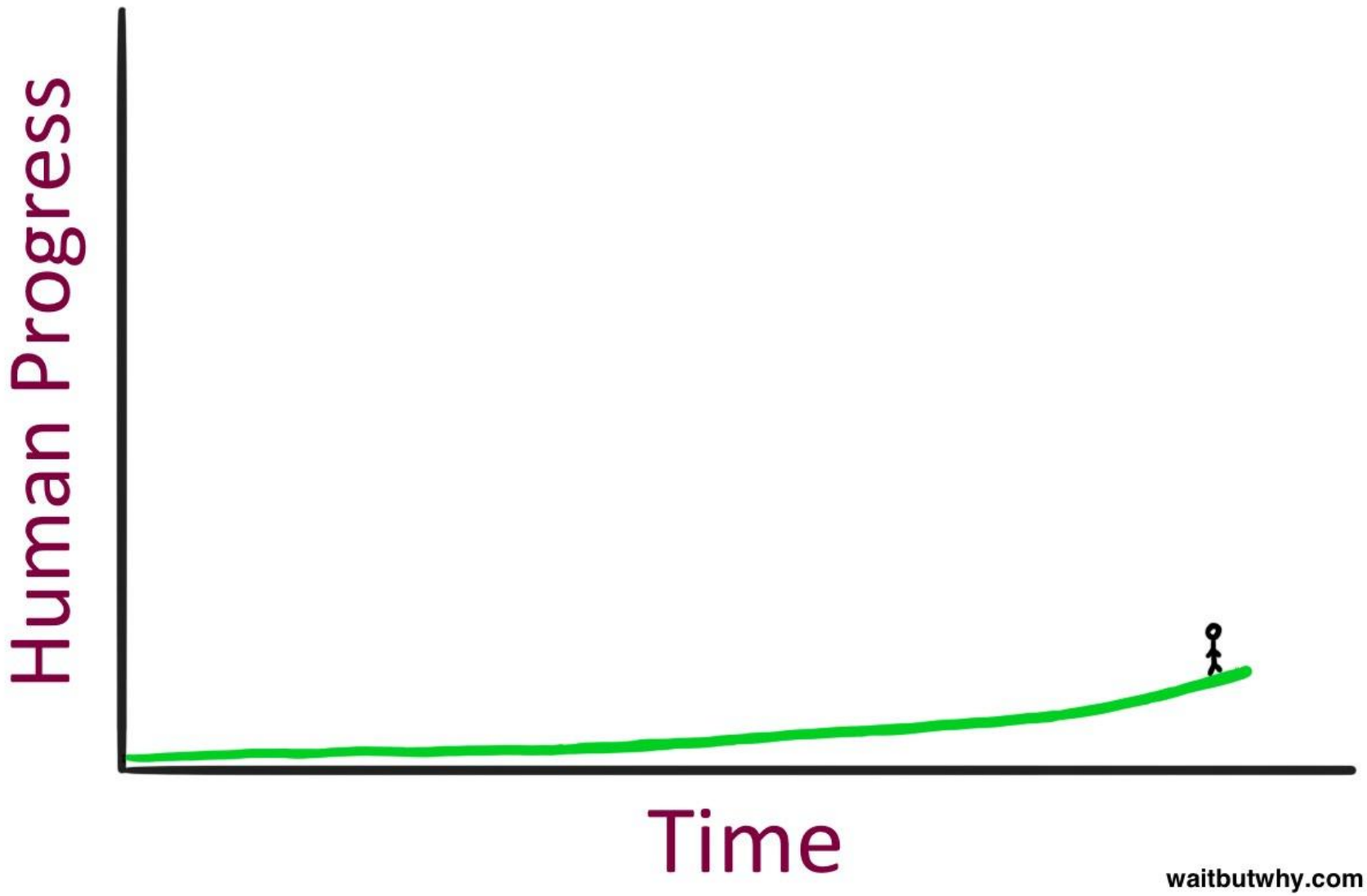
## The Progress



# 5 years down the road...

## The Progress

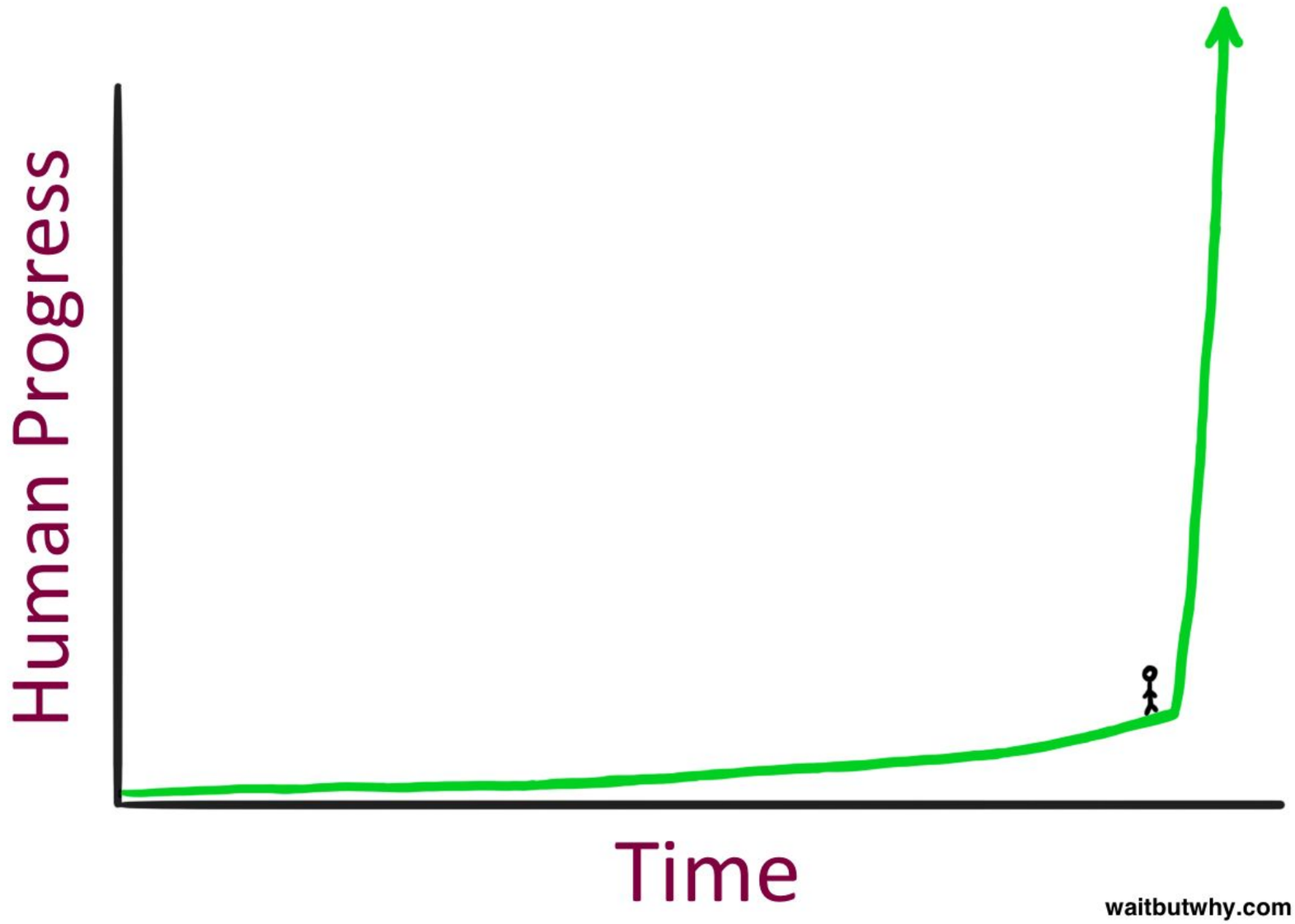
**What does it feel like to stand here?**



# 5 years down the road...

## The Progress

What does it feel like to stand here?



## DISCOVER TOGETHER

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# THANK YOU!

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