



# It takes a village: The relational nature of explaining AI

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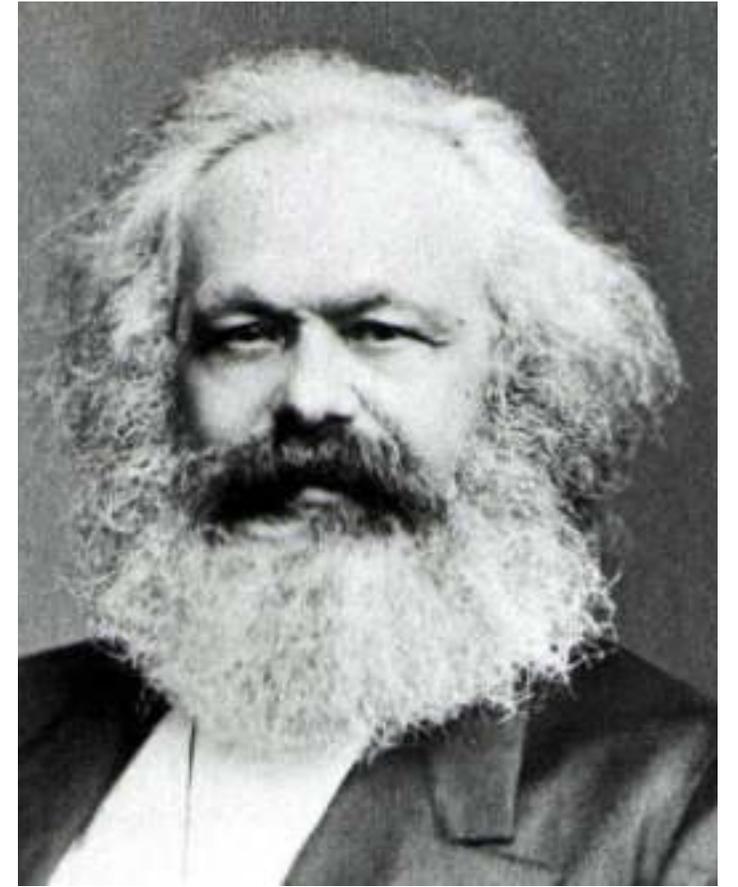
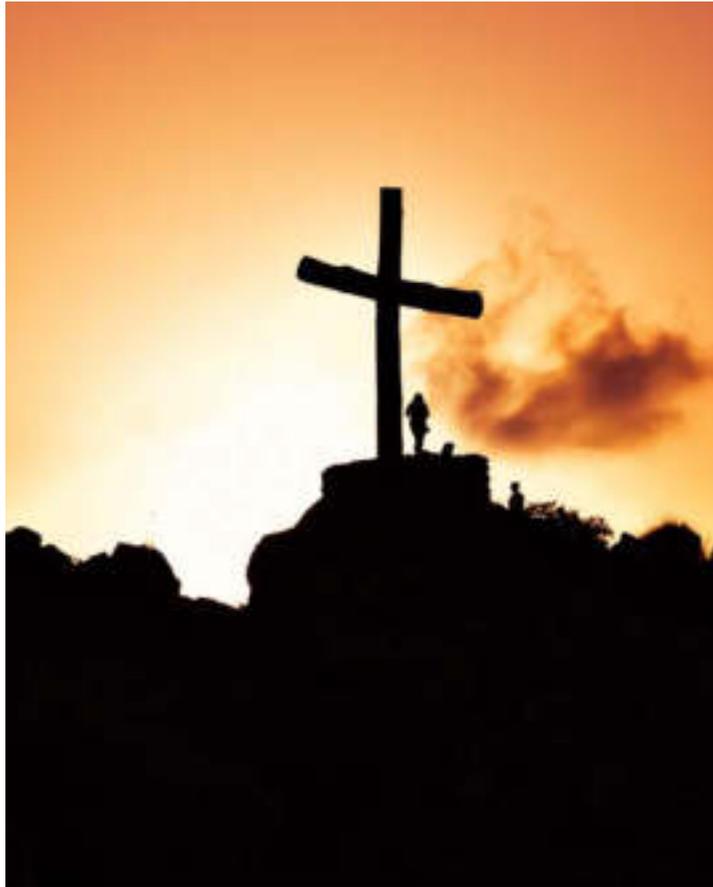
IESEG School of Management

**Attila Márton**

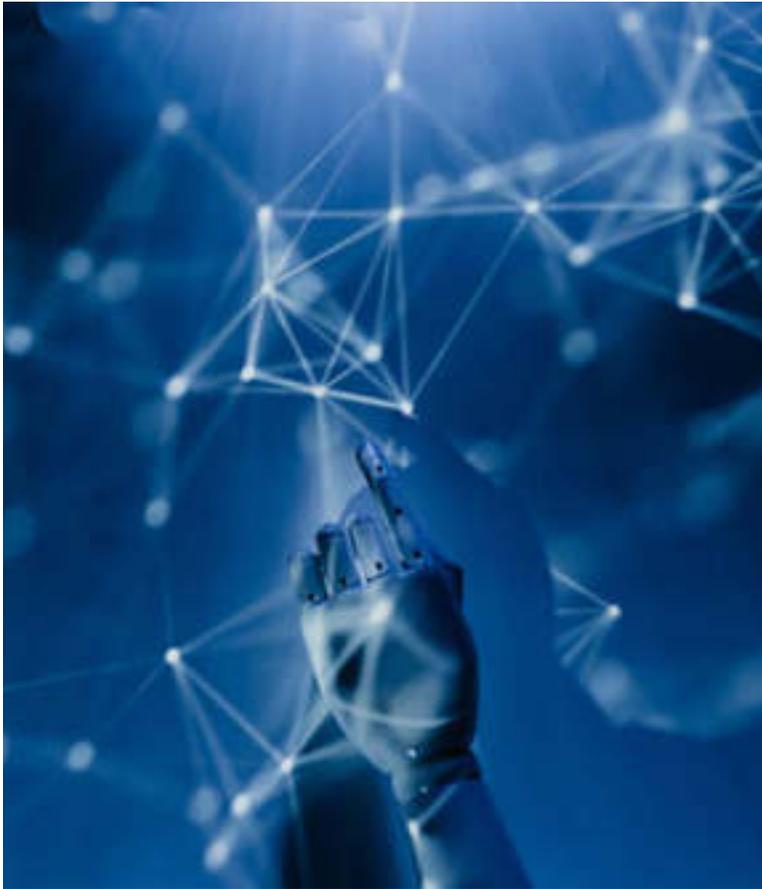
Copenhagen Business School

02 December 2022

# Understanding the world



# The rise of AI



“Machines performing cognitive functions usually associated with human minds, such as learning, interacting, and problem solving.”

But...

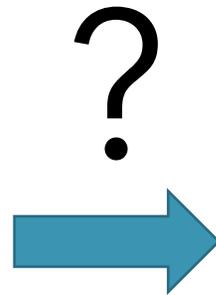


# Explainable AI



```
boolean
PSI_INTERNAL_XML', false);
on_compare("5.2", PHP_VERSION, ">")) {
'PHP 5.2 or greater is required!!!");
ension_loaded("pcre")) {
"phpSysInfo requires the pcre extension to php in or
properly.");
_once APP_ROOT.'/includes/autoloader.inc.php';
configuration
e_once APP_ROOT.'/config.php';
efined('PSI_CONFIG_FILE') || !defined('PSI_DEBUG'
tpl = new Template("/templates/html/error_config.
tho $tpl->fetch();
ie());
... javascript
```

# Mathematical relationship



Do we need an explanation in  
the first place?

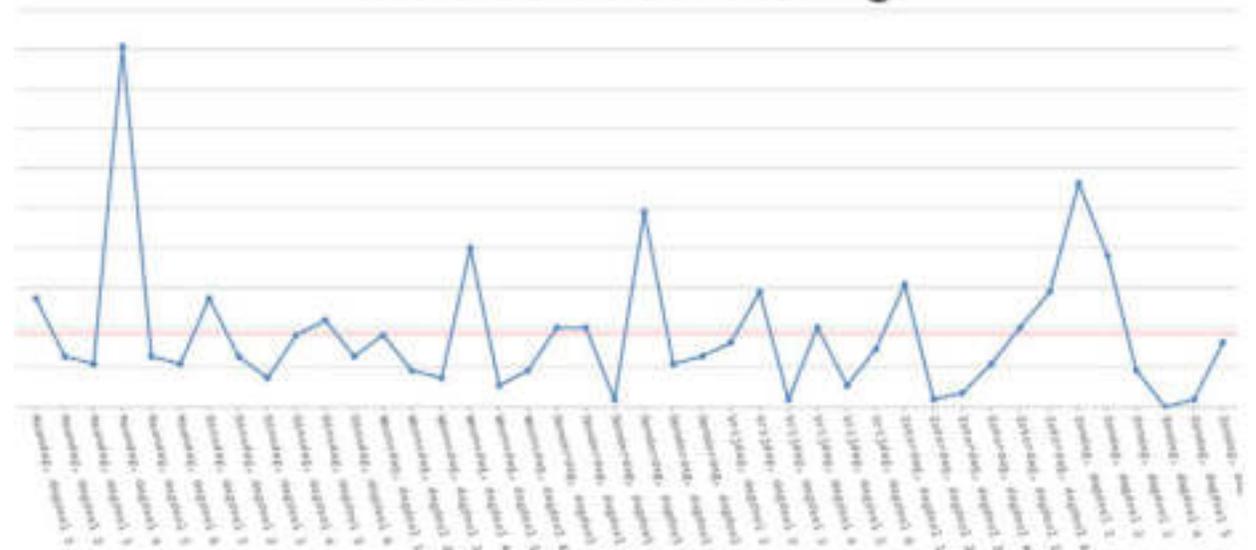
# Who are involved in explaining in practice?



# Crime anticipation system (CAS)



## Diefstal/Inbraak Woning



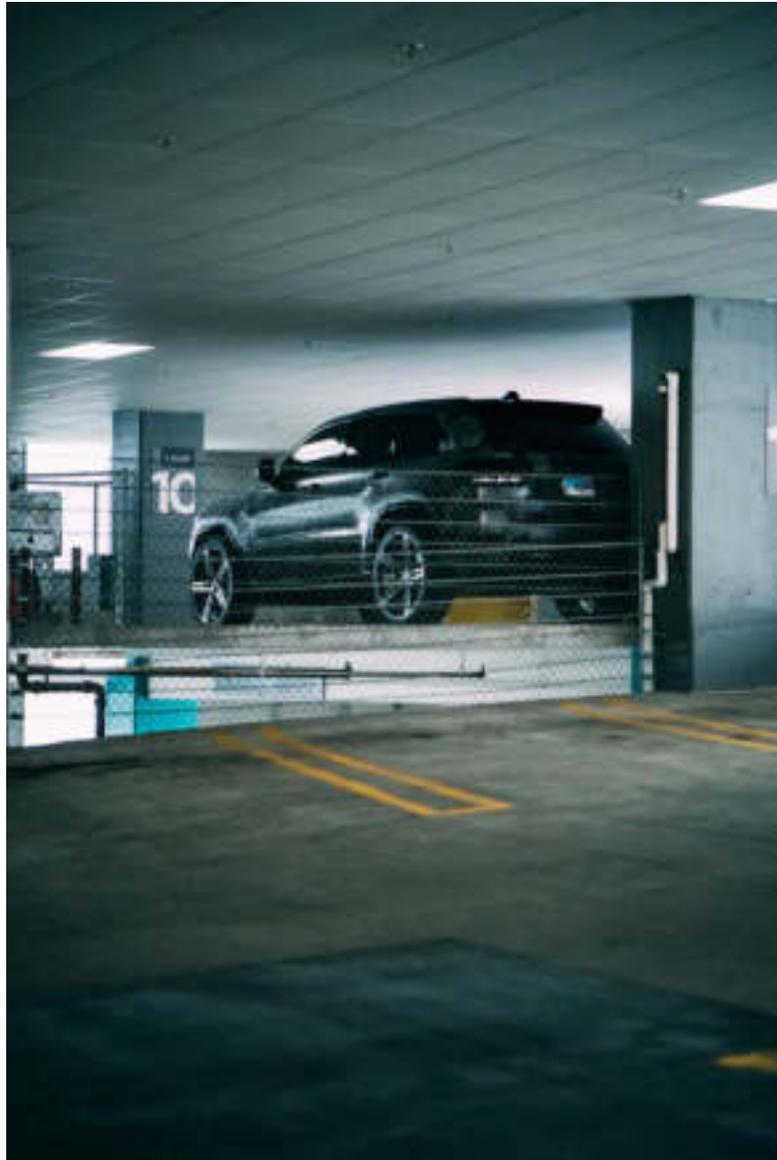
# Issue: car burglaries



But why?







# What's interesting?



## First prediction

February 2018



## Chase

November 2018

# So...

- Explaining AI includes much more than the mathematical relationship between input and output.
- “Explainable” AI is relational, longitudinal, and ongoing.
- “It takes a village” to make an AI system work in practice.

Thank you!

It takes a village:  
The relational nature of  
explaining AI