About Me



NAME

Orhan Erdem, PhD

TITLE

Clinical Associate Professor, Department of Data Analytics & Statistics

YEARS AT UNT

3 years

RESEARCH FOCUS AREAS

- Deep learning in medical imaging
- Wearables
- Large language models in financial decision-making
- AI reliability and hallucination
- Behavioral finance

My research at a glance

1 AI and LLMs in economics/finance

LLMs are not WEIRD: AI vs. human financial decisions
J. of Behavioral and Experimental Economics, 2026

Hallucination in AI-generated financial literature reviews
Int. J. of Data Science and Analytics, 2025

2 Deep learning in health and wearables

Psoas muscle volume as a risk factor for Fontan failure
J. of the American Heart Association, 2025

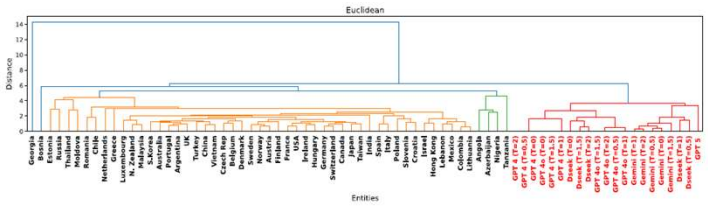
3D cine MRI with deep learning reconstruction
Pediatric Radiology, 2025

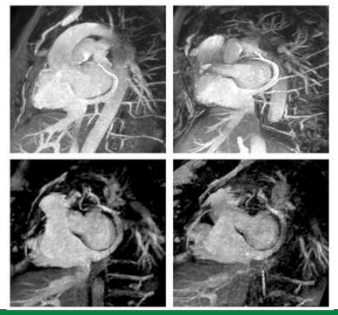
3 Finance and causal inference

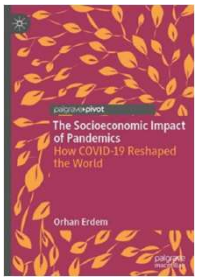
Pandemics, policy, emerging markets

Government stringency and housing prices
Int. J. of Housing Markets and Analysis, 2025

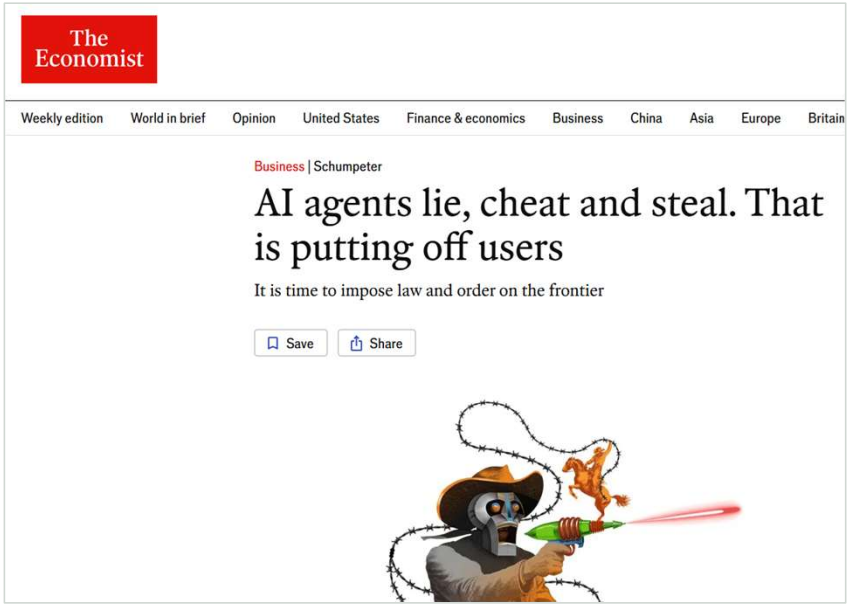
Freedom and stock markets during COVID-19
Finance Research Letters, 2020







Spotlight: Can we trust AI with financial decisions?



The Economist, Schumpeter column

The question behind my AI work: what happens when people let these systems advise them about money?

PUBLISHED

LLMs are not WEIRD: Comparing AI and human financial decision-making

J. of Behavioral and Experimental Economics, 2026 (ABDC A)

PUBLISHED

Hallucination in AI-generated financial literature reviews: evaluating bibliographic accuracy

Int. J. of Data Science and Analytics, 2025

IN PROGRESS

Do AI chatbots steer financial advice toward their own companies?

With UNT students; testing portfolio advice across models

What I am working on next, and where we could collaborate

CURRENT PROJECTS

1. **AI in ACTION Conference (April 9, 2027)**
   Since 2024

2. **AI advice bias**
   Do chatbots tilt portfolio advice toward their own companies?

3. **GenAI and students**
   Survey of how university students use generative AI

LET'S TALK IF YOU WORK ON

- AI auditing, reliability or ethics
- Finance, investments or consumer protection
- Health and medical imaging data
- Satellite or geospatial data
- Survey research on AI use

