

Modern Digital Citizen

- * has knowledge of their **self** and how their **self** impacts and is impacted by their environment

- * has the capacity to change their environment and therefore their **self**

What is **self**?

- * individual's interpretation of what it is they fundamentally are
- * the experience of life

Properties of **self**

- * deeply dependent on our relationships to others
- * dynamic
- (*) can be supported by data

Human weakness in the form of cognitive biases

- * social reciprocity
- * FOMO
- * framing

Behavioral Economics

Total Assets
17.2T

Global GDP
81T

Twitter LinkedIn Facebook

Berkeley 1.9T

Vanguard 4T

JPM Chase 3.7T

Morgan Stanley 1.7T

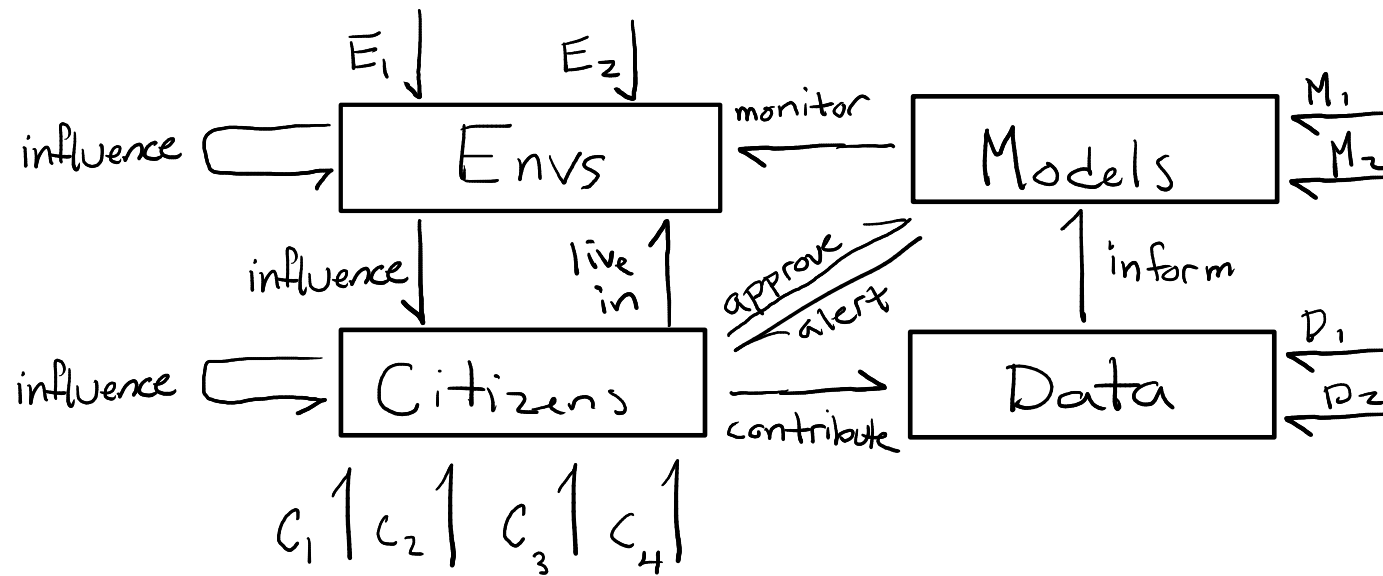
Fidelity 4.5T

Goldman Sachs 1.4T

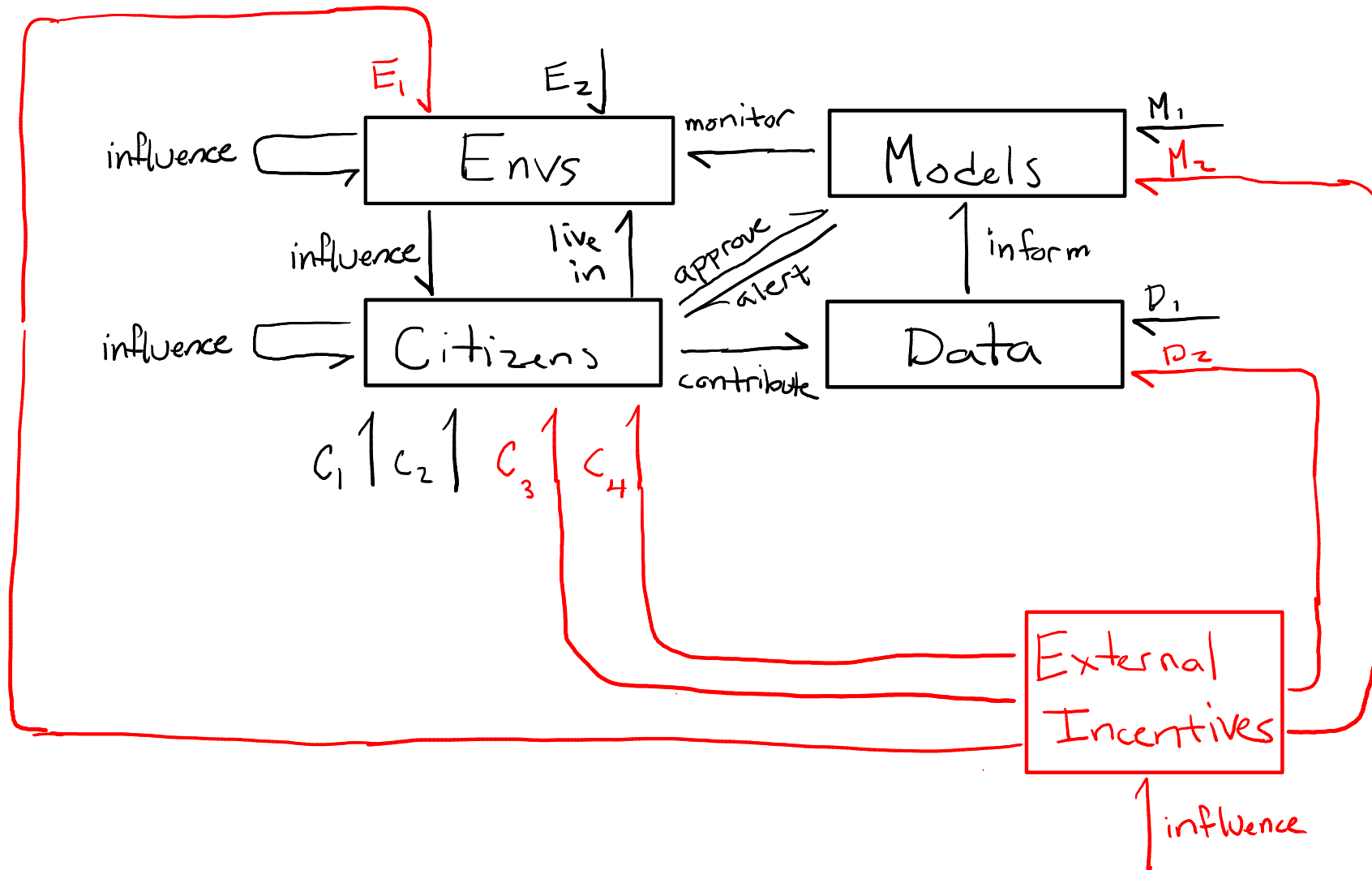
very interested in data

A Dilemma for the Modern Digital Citizen

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How do we study the effect
of external influence
on collective sense-making?

How do we study the effect
of external influence
on collective sense-making?

How do we even begin to model the problem?

An Open Framework for Open Systems

John Baez 2022 - Categories: the Mathematics of Connection

Fong 2016 - The Algebra of Open and Interconnected Systems

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A Categorical semantics for Distributed Systems

Ruben Michel 1989 - A categorical approach to distributed systems expressibility and knowledge

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Goal: Formulate the problem of finding common knowledge
using the theory of structured cospans

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