Erasmus Center for Data Analytics

Expert practice
Health Management & AI:
data driven healthcare policy and management

Healthmanagement & AI

ECDA's expert practice on health management & AI leads the transition to a sustainable, empowered and inclusive healthcare system, data-driven combined by human centric.

Anne Marie Weggelaar PhD MCM

Some key questions

Healthcare system reform

➢ What is the influence of legitimacy on big data innovations in healthcare?

➢ Which role plays ethics in the uptake of big data innovations in healthcare?

➢ How can we measure the impact of big data in healthcare?

The influence of big data

➢ What is the role of professionals and patients in the uptake of big data technology?

➢ How does collaboration between healthcare professionals, data scientist and patients/clients play out?

➢ How is can we support the process from prototype to actual adaption of big data?

Faculty

Erasmus School of Health Policy & Management

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Marthe Stevens MSc

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Research methods
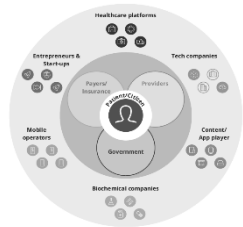
- Critical synthesis of conceptual literature

- Etnography

- Qualitative research

- Design studies

- Action research

The impact of AI for policy and management of health care

The health system

Governance in organizations

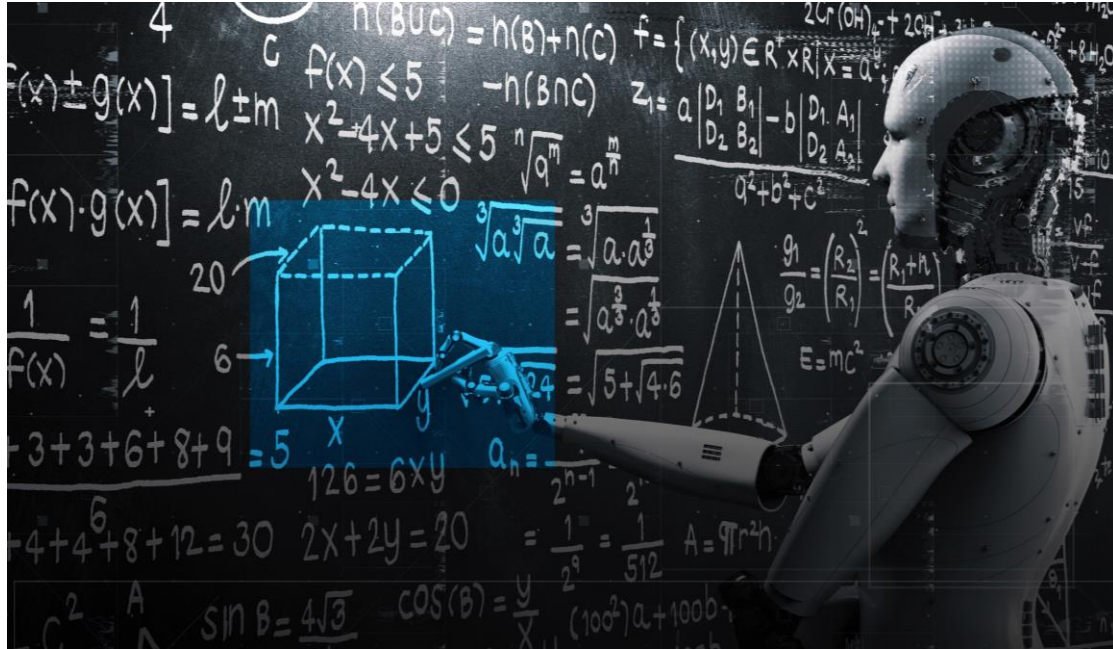The professional

The patient

Projects : Big Medilytics

Objectives:

- To show in concrete and verifiable terms how healthcare data assets and technologies in BigMedilytics are used as the foundation of the (re-) engineering of existing and novel healthcare processes.

- Measure how much the productivity has increased in the different pilots by combining input and output indicators to show the relevance of the 'interventions' in the pilots.

- Obtain more insight in relevant context variables that prohibit or support new business model strategies. Consistent with European, national and sectorial regulations.

Projects : use of Big Data in Quality Measures

Objectives:

- to understand how to use Big data technology in dashboarding (text mining, process mining)
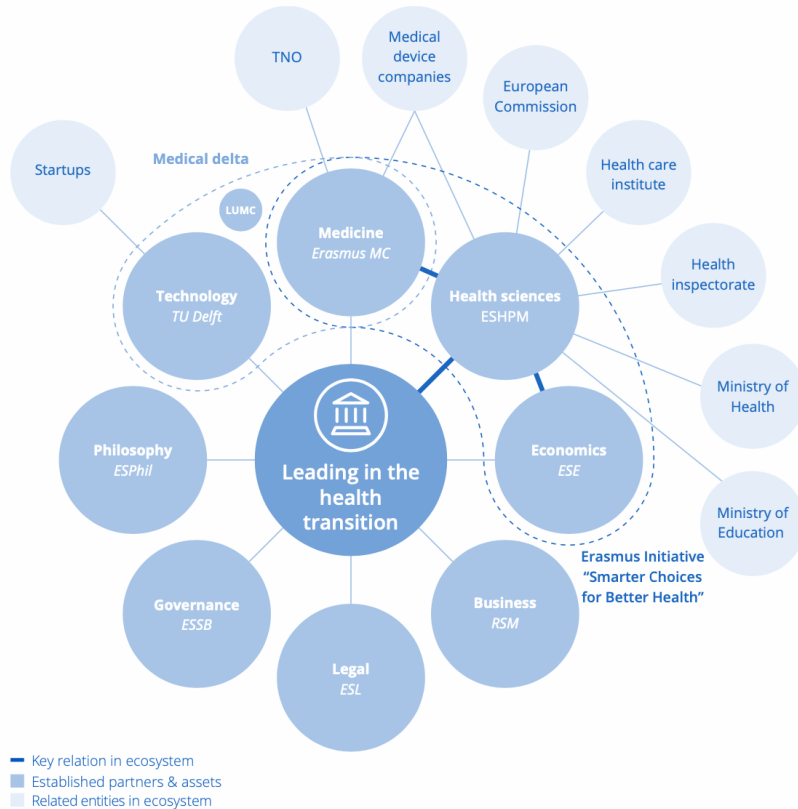- to understand the epistemic challenges.

Projects : Consultation Room 2030

ERASMUS MC | TREATMENT ROOM OF THE FUTURE | BY GIELISSEN

Objective:

- Create the medical consultation (room) of the future, where access to and integration of data enhance the doctor-patient relationship.

Projects : Data driven health care ecosystem

Objective:

- Understand the challenges, hindering and supporting factors that influence the uptake of big data technology.

- Understand how big data is influencing the ecosystem of healthcare.

Organizational improvements can support technology implementation in health care

better teamwork in the operation room can improve patient care

How to improve teamwork to help more patients

https://www.youtube.com/watch?v=cRqUth3gkD8

Erasmus Centre for Data Analytics

Passion provides purpose, but data drives decisions

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