Coronavirus is still around and we need to stay alert especially right now. The CoronaMelder app can help us all to do this and it is now available throughout the Netherlands.

Stop the spread of the coronavirus, download CoronaMelder

Health Science: The Covid-19 Pandemic

Big Data in a Time of Big Viruses.
How the World is Using Data & Analytics to Fight COVID-19
HEALTH SCIENCES IS A MULTIDISCIPLINARY FIELD. IT ACTIVELY COMBINES BIO-MEDICAL, PSYCHOSOCIAL, ORGANIZATIONAL, TECHNOLOGICAL AND SOCIETAL ASPECTS OF HEALTH, AND HEALTHCARE.
ROLE HEALTH SCIENTIST

- Patient and caretaker level
- Healthcare organization
- Healthcare system & society
HEALTH ECONOMIC MODELLING

Topics

• Systematic review and evidence - indicates how to collect and synthesize evidence to use health economic models

• Health Economic Modeling - demonstrates how to develop patient-level health economic models and interpret their results

• Decision making in Healthcare & Value Dossier – illustrates how health economic results are used in decision making and how to demonstrate the value of new healthcare technologies
Objectives:
Properly apply data science skills on Health data to support decision making and showing a critical attitude towards data and results.

Properly communicate the results of a health related project both orally as well in written form.
Stakeholder Preference Elicitation & Decision Support

Development and analysis:
- Patient Reported Experience Measures
- Patient Reported Outcome Measures
- Quality of Life Measurement

Skills in performing regression analysis

Objective:
Support decision making processes in healthcare with the use of stakeholder analysis.
CAREER PERSPECTIVE

- HEALTH CARE PROVIDERS
- PUBLIC HEALTH ORGANISATIONS
- BUSINESS
- RESEARCH & DEVELOPMENT
EXAMPLES OF MASTER ASSIGNMENTS

DEMCON: Health Technology Assessment of an improved method for the diagnosis of colon cancer

biovolt: Early health technology assessment of a point-of-care analyzer to improve the diagnosis of diabetes

zgt: Embedding e-health in the care pathway of patients with a chronic disease

MST: Diagnosing Rheumatoid Arthritis using an electronic nose

KNL: Patients and healthcare professionals preferences for the treatment of high-risk breast cancer