School of Health Information Science Seminar Series

Dr. Morten Hasselstrøm Jensen Presents:
Explainable Artificial Intelligence in Diabetes

Wednesday, March 23rd, 2022
10:00 am – 11:00 am Pacific

Online via Zoom

Abstract:

Machine learning has gained widespread recognition in the health care sector with the increased amount of clinical data available and the increased computational power. Also, in diabetes machine learning has received a lot of attention, and algorithms for early detection of retinopathy are currently in use in routine clinical care. However, a reluctancy to embrace these new initiatives are observed among some clinicians, and a part of this is due to the lack of trust of a black box "colleague". Clinicians would like to know what is behind the risk assessment.
In our research group at Aalborg University and Steno Diabetes Center North Denmark we strive to unveil the complex interplay between risk factors by applying traditional machine learning approaches and focusing on the feature space.

Morten Hasselstrøm Jensen is Associate Professor in the Medical Informatics Research Group, Department of Health Science and Technology at Aalborg University and Senior Researcher at the Steno Diabetes Center North Denmark. He has worked with machine learning, telemedicine and real-world evidence within chronic diseases for many years and has a background within Biomedical Engineering and Informatics. Furthermore, he has worked in the private industry as a Statistical Programming Specialist at Novo Nordisk responsible for the work of 20+ employees on the Fiasp® project. Currently, he is responsible for research in Digital Health and Diabetes at the Steno Diabetes Center North Denmark and is steering committee member and project manager of several research projects.

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