Exploring the possibilities of improving lives with AI

Introduction

We are a new startup called Neuralis and we have one purpose - improving lives by means of technology. Currently, we are working on a project where we have created an algorithm, LiNN, which can reliably estimate the risk of suicide and acts of self-harm in patients with bipolar disorder, using machine learning and artificial neural networks. The result itself is deemed more objective than traditional rating methods and can aid doctors in administering more effective and correct treatments of bipolar disorder.

The project started when we observed the current methods of suicide risk estimation and found that they are far too subjective. Using more objective methods such as AI and machine learning, we saw the possibility of improving these ratings in a patient group who experience a relatively high suicide risk, namely bipolar patients. While working with this problem, we have observed more areas where similar methods may be applied for other purposes.

Thesis outline

We are looking for someone who would like to contribute to our purpose and write a master’s thesis with us. We have several projects ideas within the healthcare system using AI that will need both an entrepreneurial mindset and an analytical skill set. Since this is in an early stage the thesis also requires fieldwork. Our plan is for you to participate using the Lean Startup methodology and to work iteratively in sprints.

The goal of the thesis will be defined together with the student. The target is to improve the accuracy of LiNN and to explore new areas and data sets.

The thesis can be done by one or two people.

Contact

If you find this interesting - please contact us to get more information!

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