IBWL

Master Thesis

Development of an algorithm for indicating a corporate insolvency using Artificial Intelligence

Artificial Intelligence (AI) can help to avoid corporate insolvencies by using early warning systems. One possibility is the use of artificial intelligence to indicate the probability of insolvency by means of indicators to be researched. The task is to develop a website with a database to indicate the probability of insolvency on the basis of the entered data using artificial intelligence.

In addition to setting up a website with a database, insolvency indicators have to be researched and the appropriate algorithm for the database of small companies has to be developed. The focus is on the avoidance of insolvency of small companies using AI. The result is a website where entrepreneurs enter their data. This data is collected in a database, which serves as a data basis for the algorithm.

Tasks
- Conducting a literature search on the topic of insolvency indicators
- Development of a website and database
- Selection of a suitable AI procedure and application to the database
- Preparation of the results in a master thesis, which will be published as an paper afterwards

Location/Duration:
At home/Library
Start: Immediately
Duration: approx. 7-8 months

Important:
Internally assigned master thesis
Institute of Business Economics and Industrial Sociology
For students of software development or comparable!
Interest in artificial intelligence in a business insolvency avoidance context!

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