# Applying Data Analytics for improving graduation in vocational education

**STEAMLANE**

## Customer

- Tredu – Tampere Vocational College

**tredu**
TAMPEREEN SEUDUN AMMATTIOPISTO

## Objective

- Develop a solution which utilizes data-analytics and machine learning in a new way so that education institute can support students to graduate

## Implementation and deliverables

- Successful pilot where solution was in daily use by teachers of the college
- SaaS-service on Azure platform and new ways of work
  1. Machine learning based analytics model to predict student drop out based on data which is collected in the institute
  2. Analytics model to recommend intervention and work flow for support actions
  3. Dashboard to support decisions and actions

## Feedback

- "Already in the pilot phase data-analytics have enabled earlier identification of students who have elevated risk to drop out from their studies. Analytics solution supports teacher to steer and support students with small interventions."
  - Elisa Helminen, Director of Development
    Tredu - Tampere Vocational College

https://www.microsoftmahdollista.fi/100tarinaa/potential-learning-analytics/