

A photograph of three young girls in a starting crouch on a blue running track. The girl in the foreground is wearing a red and white striped shirt and pink pants, looking directly at the camera. The girl behind her is wearing a green and white checkered shirt and pink pants, also looking at the camera. The girl in the background is wearing a green shirt and is smiling. A large dark grey hexagonal overlay is on the left side of the image, containing white text.

StartVaardig

Motoric skills development

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Gross Motoric Skills



Gross Motoric Skills



01 StartVaardig

Started in 2019

Providing tools

Value of motoric skills



01.1 Measurements & Tests

Competence

Motivation

Perception

BMI

Questionnaires

02 Goal

“How can data science be used to predict whether a child has a chance of developing a lack in motor skills a year later?”

03 Progress

Receiving

Exploring

Comparing

Merging

Preparing/Cleaning

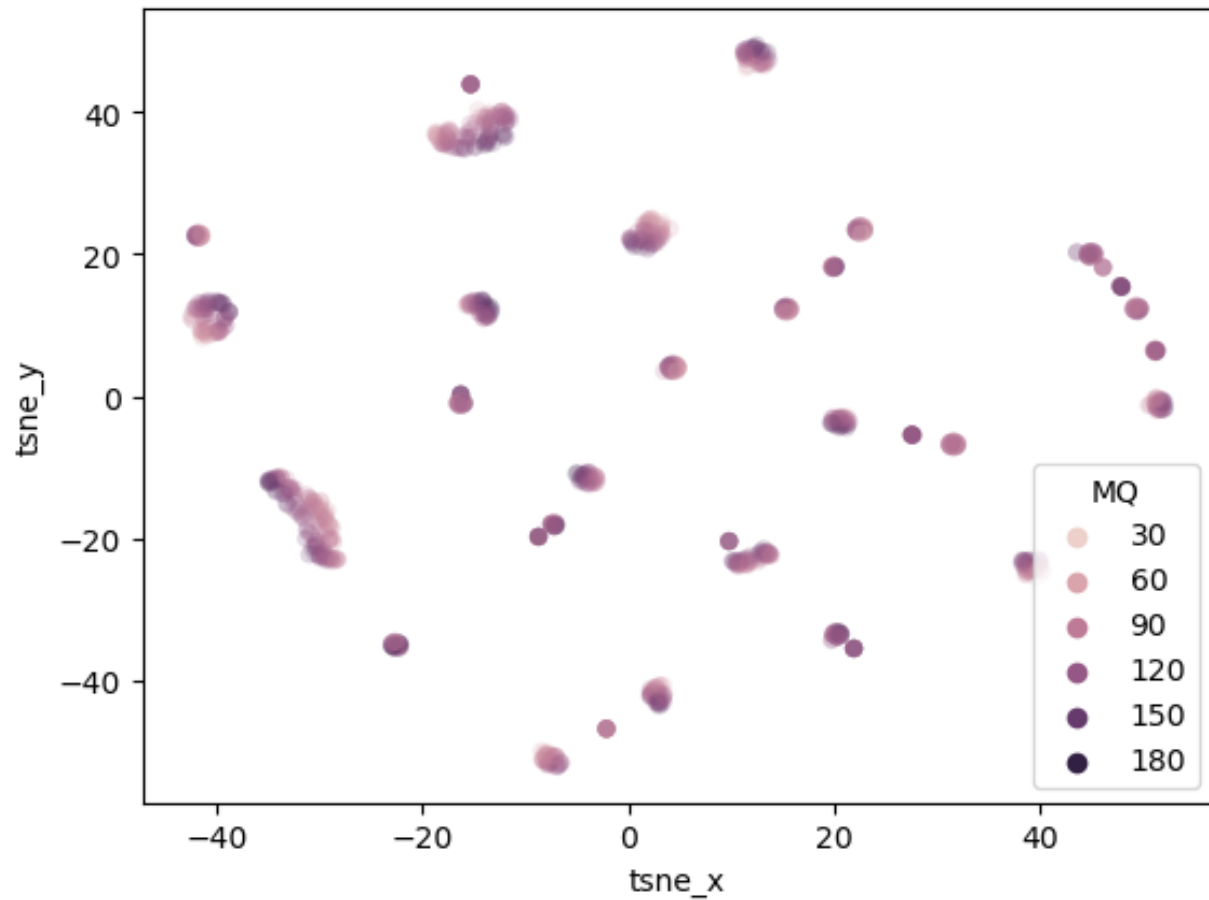
03 Progress

High dimension visualizations

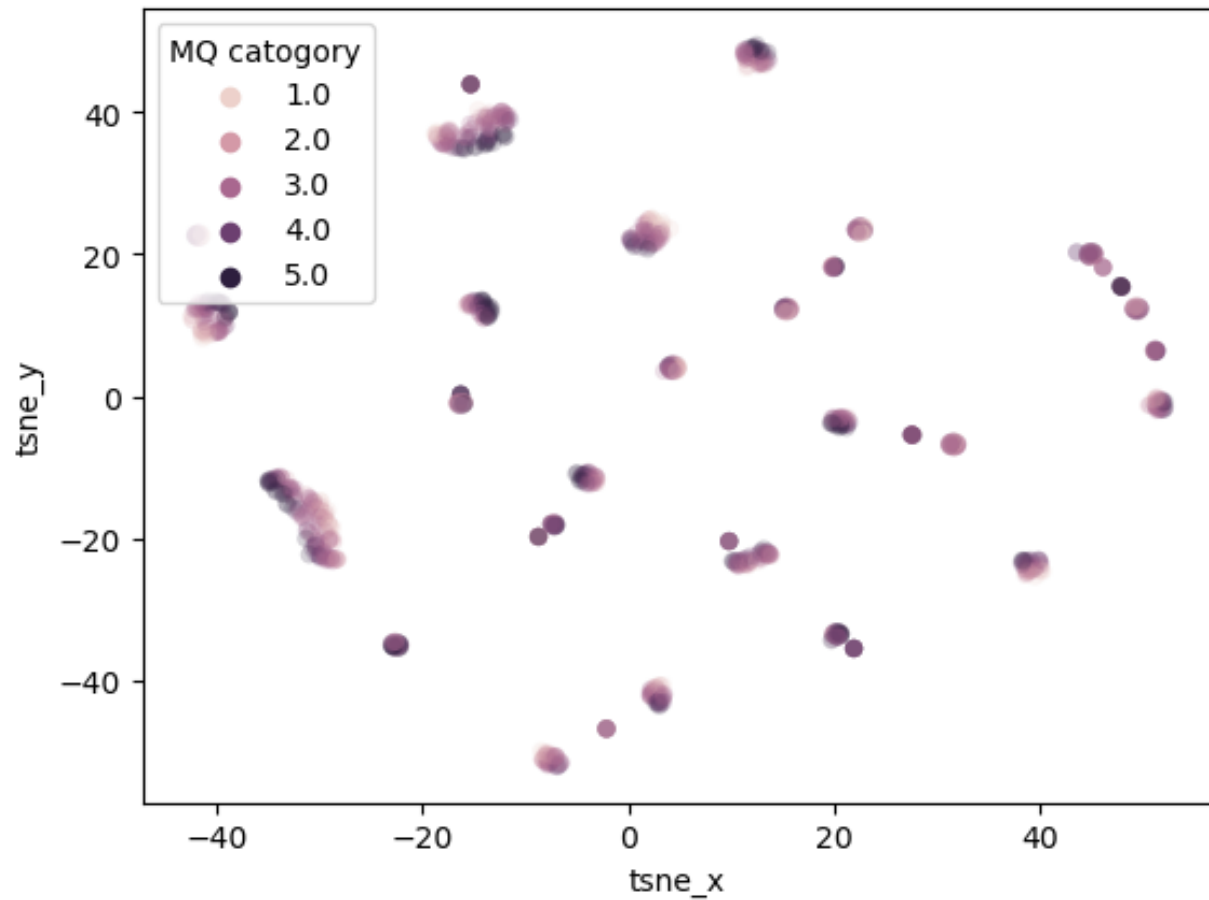
Evaluation plan

Prediction models

03.1 t-SNE

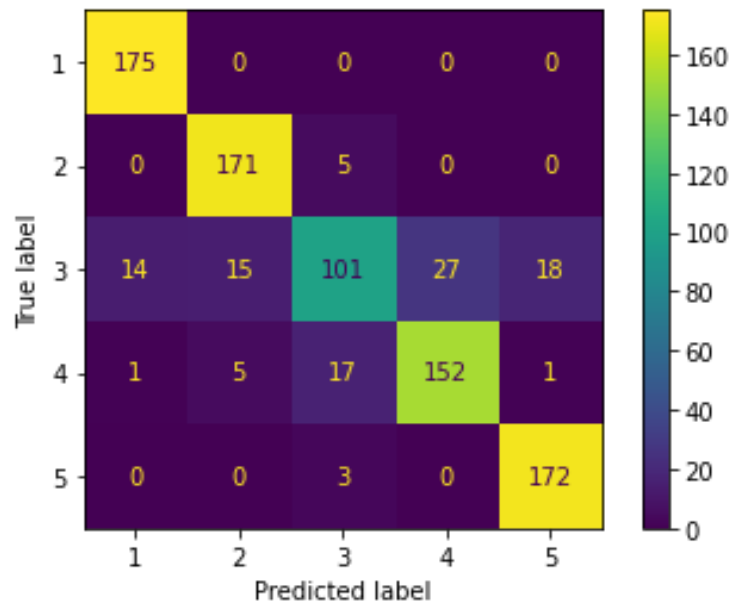


1. T-SNE (t_0) with colored dots based on the MQ score

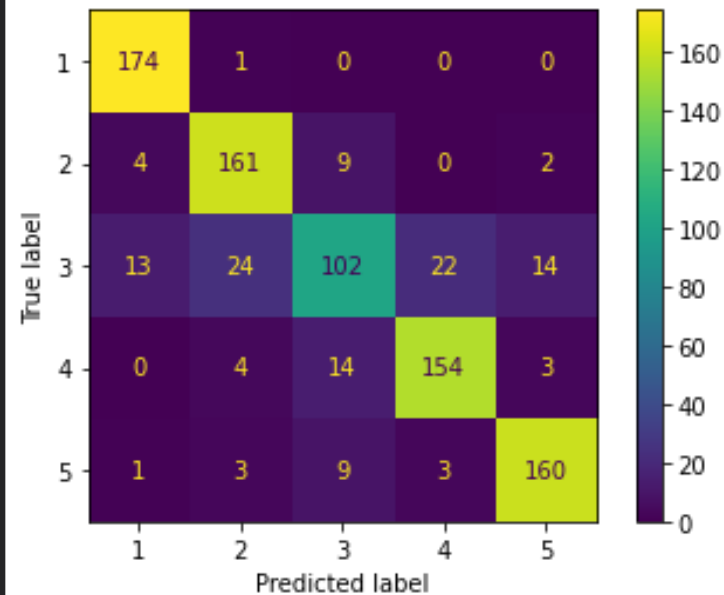


2. T-SNE (tO) with colored dots based on the MQ category

03.2 Evaluation Plan

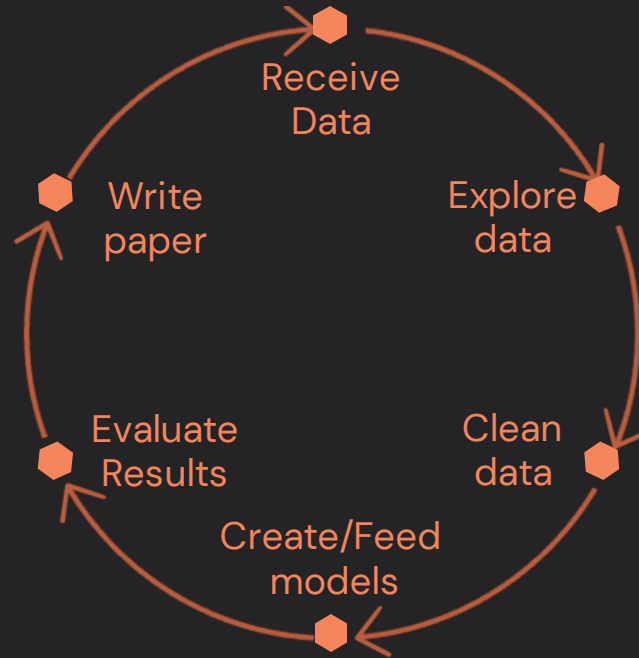


3.1 Confusion matrix from model with 2 split



3.2 Confusion matrix from model with 3 split

04 Next steps





THANK YOU!

Do you have any questions?

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