# Bullet points reading assignment

## Summary application domain

Preterm birth

Developing Human Connectome Project

Diffusion and structural MRI

Machine learning to study structural connectome

## Summary methodology and evaluation metrics

Random forest

MSE as loss function

Parameter values

Deep neural networks

MSE as loss function

Adam optimizer

structure

Independent data set for hyperparameter optimization

Prediction of postmentrual age (PMA) and gestational age (GA)

Data info

Acquisition // preprocessing???

Minimizing |Y’-Y|2

## Strong and weak points

High accuracy achieved

Several patterns identified align with studies

## alternatives