This is to certify that

# Caroline Bjurnemark

has successfully taken part in

## Introduction to biostatistics and machine learning

Held Online, 16-20 November 2020

The course consisted of lectures, exercises and group discussions. The following subjects were covered in the lectures and exercises:

- Mathematical foundations

- Short introduction to R with R-Studio

- Probability theory

- Hypothesis testing

- Resampling

- Linear regression methods

- Model selection and regularization

- Supervised learning incl. classification

- Primer on decision trees and Artificial Neural Networks

Examination:
Active participation during lectures, group sessions and practical exercises

The course was arranged by the National Bioinformatics Infrastructure Sweden (NBIS) at Science for Life Laboratory (SciLifeLab).

20 November 2020

Olga Dethlefsen, PhD
National Bioinformatics Infrastructure Sweden
Science for Life Laboratory
Stockholm University