

# Introduction to biostatistics and machine learning

Short course

**May, 11th - 15th, 2020**

SciLifeLab, Uppsala University, BMC, Husargatan 3

National course open for PhD students, postdocs, researchers and other employees within Swedish universities.

<https://nbisweden.github.io/workshop-mlbiostatistics/>



Short introduction to R with R-Studio. Probability theory.  
Hypothesis testing and confidence intervals. Resampling.  
Linear and logistic regression methods. Model selection.  
Unsupervised learning incl. clustering and dimension  
reduction methods. Supervised learning incl. classification.  
Primer on decision trees and Artificial Neural Networks  
with focus on Active Learning Approach