



Biological Datascience Workshop, Module 3:
Machine-learning classification of benign and malignant tumors

June 17th, 2020

Online Webinar on Zoom

Biodatascience101 invites you to hands-on exploration of machine-learning classifiers on a clinical dataset, directly in your browser.

In this module we will guide you through preprocessing and design of multiple machine-learning prediction models based on imaging features of tumor fine needle aspirates. We will perform exploratory data analysis of the clinical dataset, cover key steps and decisions in preprocessing, undergo comprehensive comparison of different machine learning architectures and finally evaluate all our trained models. This module, like all our modules, focuses on visual understanding of decisions we make and use of workflows that will apply to any dataset.

Programme:

09:00 - 09:10	Introduction to the workshop
09:10 - 09:30	ML for clinical applications
09:30 - 11:45	Module 3 - Machine learning classification of benign and malignant tumors
11:45 - 12:30	Teaching module - wrap-up + Competition rules
12:30 - 13:30	Lunch break + competition
14:00 - 14:30	Competition wrap up + results
14:30 - 15:00	Q&A, feedbacks

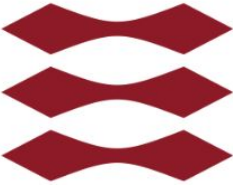
Speakers:

Paolo Marcatili (DTU Health Tech), Vanessa Jurtz (Novo Nordisk),
Rudi Agius (Rigshospitalet)

Read more at: biodatascience101.github.io

This workshop is made possible by generous support from:

DTU



Danish Healthtech
Innovation Network



WelfareTech
Collaborative Innovation

Danish Healthtech er medfinansieret af Uddannelses- og Forskningsministeriet
og Den Europæiske Fond for Regionaludvikling.

DEN EUROPÆISKE UNION

Den Europæiske Fond
for Regionaludvikling



Vi investerer i din fremtid