



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

June 30th, 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 - 11:30	Module 3 - Machine learning classification of benign and malignant tumors
11:30 - 12:30	Teaching module - wrap-up + Competition rules

Speakers:

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

Read more at: biodatascience101.github.io

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