STAT-IR 6
ANALYSIS OF IR MICROSPECTROSCOPY DATA BY MULTIVARIATE STATISTICAL ANALYSIS AND MACHINE LEARNING

Progamm

	May 11th	**May 12th** Supervised learning	**May 13rd** Unsupervised learning
09:00 10:30	SESSION 1 **Getting started with Quasar (installation, basic Orange and Quasar functionality)** *Speaker: C Sandt, M Toplak*	SESSION 1 **Introduction to supervised learning** *Speaker: C Sandt*	SESSION 1 **Introduction to unsupervised learning** *Speaker: C Sandt*
10:30 10:45	*Break*	*Break*	*Break*
10:45 12:00	SESSION 2 **Spectral Preprocessing Visualization – mapping and imaging** *Speaker: F Borondics*	SESSION 2 **Classification of spectra and hyperspectral datasets using various methods** *Speaker: F Borondics*	SESSION 2 **Clustering of spectra and hyperspectral datasets using various methods** *Speaker: M Toplak*
12:00 13:30	*Lunch break*	*Lunch break*	*Lunch break*
13:30 15:30	SESSION 3 **Statistical data exploration PCA, PCA visualization PCA imaging** *Speaker: C Sandt*	SESSION 3 **Model inspection and cross-validation Prediction Common errors** *Speaker: M Toplak*	
15:30 15:45	*Break*	*Break*	
15:45 16:00	SESSION 4 **Hands-on work with participants' data**	SESSION 4 **Hands-on work with participants' data**	