**Workshop**

**„Einführung in die Datenanalyse mit R“**

**Leitung: Jan-Philipp Kolb, Gesis**

**03./04. Mai 2019**

**Mannheim**

**Agenda**

**Tag 1**

10.00 – 11.30 **What is machine learning and why should you care**

11.30 – 11.45 Pause

11.45 - 13.00 **Lasso and Ridge Regression**

13.00 – 14.00 Mittag

14.00 – 15.30  **Supervised Learning: Bagging and Boosting, tree-methods**

15.30 – 16.00 Pause

16.00 – 18.00 **Supervised Learning: Neural Network**

18.00 [Wine & Cheese]

**Tag 2**

9.00 – 10.30 **Unsupervised Learning: kmeans, hdbscan**

10.30 – 10.45 Pause

10.45 – 12.30 The dangers of machine learning

12.30 – 13.30 Mittag

13.30 - 16.00 reticulate package: Umap

16.00 Ende der Veranstaltung