Data Mining

Model Inference

Time Series Analysis

Optimization Strategies

Ethical Analysis of Bias,
Fairness & Model Accountability

Explorative Data Analysis,

Publishing on Open Science Platforms

FAIR Principles

Result Reporting

Usage of Dashboards

Reengineering

Data Sovereignity

Economic Awareness

Responsible Innovation

Reinforcement Learning & Emerging Al Models Model Tuning

Critical Reflection on Model Performance & Bias

DS

Executing
ML/DL Experiments

Multivariate Visualization

Deployment of Data Pipelines & Operational Models

Project Management & Interdisciplinary Communication

Tool Usage Algorithm Selection

Visualization Theory & Editorial Thinking

Design of Data Workflows

Data Integration

& Feature Engineering

Data-oriented Programming

Objective Function
Definition

Understanding
the Data Science Lifecycle
& Methods Selection

Awareness of Data Context, Purpose & Implications