**Projekteinreichung**

**für**

**Data Analytics**

**(09.12.24 – 10.01.25)**

**Projektersteller/Gruppe:**

**Hussaini, Sayedeh**

**Daten:**

Energy-consumption-prediction

https://www.kaggle.com/datasets/mrsimple07/energy-consumption-prediction

This dataset encapsulates a diverse array of features, including temperature, humidity, occupancy, HVAC and lighting usage, renewable energy contributions, and more. Each timestamp provides a snapshot of a hypothetical environment, allowing for in-depth analysis and modeling of energy consumption behaviors. Dive into the nuances of this synthetic dataset, designed to emulate real-world scenarios, and unravel the complexities that influence energy usage. Whether you are delving into predictive modeling or honing your data analysis skills, this dataset offers a dynamic playground for experimentation and discovery.

**Projektidee, Beschreibung:**

* Exploratory data analysis (EDA)
  + statistical graphics
  + data visulaization
  + finding the corrlation between several variables

**Projektschritte, Aufgaben zum Projekt (falls schon vorhanden):**

* Exploratory data analysis (EDA)
  + statistical graphics
    - pairplot
    - jointplot
  + data visulaization
    - dash board
      * interactive visualisation
    - viollin plots
  + finding the corrlation between several variables
    - heatmaps