Exam track for Msc (Data science with python)

**Expected outcomes:**

* be able to formulate a research question and hypotheses that are testable with data you have
* show abilities in data cleaning and merging and grouping
* support conjectures using descriptive statistical evidence from data (e.g., by showing descriptive statistics in favor or against your hypotheses)

**Context**: any socially- and economically-relevant context (energy use, health, education, etc).

**Materials**: you can only use datasets from ourworldindata.org. Data are freely accessible and available in different format. Browse the dataset and each description to distill your personal project.

1. data can be found here: [https://ourworldindata.org/](https://ourworldindata.org/alcohol-consumption)
2. you can use any dataset in the menu “browse by topic”. You can combine multiple datasets.

**Pluses**: inferential statistics (hypothesis tests, regression analysis) and use of machine learning (optional)

**Evaluation Criteria**

1. **Data wrangling abilities (importing, cleaning, etc.) (7 points)**
2. **Research question and Hypotheses formulation (3 points)**
3. **Provision of statistical analyses (descriptive or inferential) (3 points)**
4. **Result discussion from obtained results (5 points)**
5. **Replicability of code to external machines (2 points)**