KAGGLE- PROBLEMATIC INTERNET USE

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Group: B1

Our github repository:

<https://github.com/riikaseeba/Problematic-Internet-Use>

Competition link: <https://www.kaggle.com/competitions/child-mind-institute-problematic-internet-use>

## Business understanding

### Identifying your business goals

**Background**:

In today’s digital age, problematic internet use among children and adolescents is a growing concern. Better understanding of this issue is crucial for addressing mental health problems such as depression and anxiety.

Physical & fitness measures are extremely accessible and widely available with minimal intervention or clinical expertise. Changes in physical habits, such as poorer posture, irregular diet, and reduced physical activity, are common in excessive technology users. We propose using these easily obtainable physical fitness indicators as proxies for identifying problematic internet use, especially in contexts lacking clinical expertise or suitable assessment tools. Identifying your business goals

One **business goal** is contributing to a healthier, happier future where children are better equipped to navigate the digital landscape responsibly.

**Business success criteria**:

When a predictive model is developed that analyzes children's physical activity data to detect early indicators of problematic internet and technology use.

### Assessing your situation

**Inventory of resources:**

* We use Jupyter Notebook for the model implementation, including explanations.
* The project itself is Kaggle-competition.
  + <https://www.kaggle.com/competitions/child-mind-institute-problematic-internet-use>
  + From there we will find the necessary background information, guidelines for achieving the ultimate goal of the project, and a communication portal for additional questions.

Requirements, assumptions, and constraints:

* Deadline – in the kaggle-competition the deadline is on 19th December but we accomplish it by 11th December.
  + Risks and contingencies
  + Terminology
  + Costs and benefits
* Defining your data-mining goals
  + Data-mining goals
  + Data-mining success criteria

## Data understanding

* Gathering data
  + Outline data requirements
  + Verify data availability
  + Define selection criteria
* Describing data
* Exploring data
* Verifying data quality

## Planning your project

* Make a detailed plan of your project with a list of tasks. There should be at least five tasks. Specify how many hours each team member will contribute to each task.
* List the methods and tools that you plan to use. Add any comments about the tasks that you think are important to clarify.