

SunFlow data predicting tool

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The Objective of our Project

Predict Energy Consumption

We're using neural networks to predict the energy consumption of building and the production of a PV unit of the .

Display the Amount Compensated by PV Unit Production

Our project also aims to predict the production of a PV unit, and amount of consumption compensated. Thus predicting the actual energy inout needed.

Create a Complete Web App

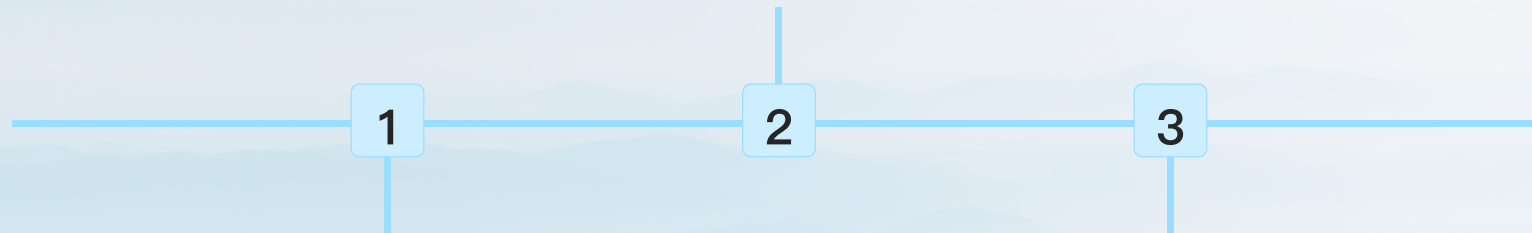
The user will be able to upload his own dataset, that will be transferred and processed by the neuronal network.

Our Architecture



Python Backend

With it written in Python we have established the communication between the neural network model and the end user.



Neural Network

our prototype based on the model, which implements following stages: refinement, normalisation of the data and prediction of the future inputs. The data reaches it via backend and can be uploaded through the user interface.

User Interface

It allows to interact with data at different stages of processing: raw, preprocessed data and prediction. The visualisation is done via amChart.

