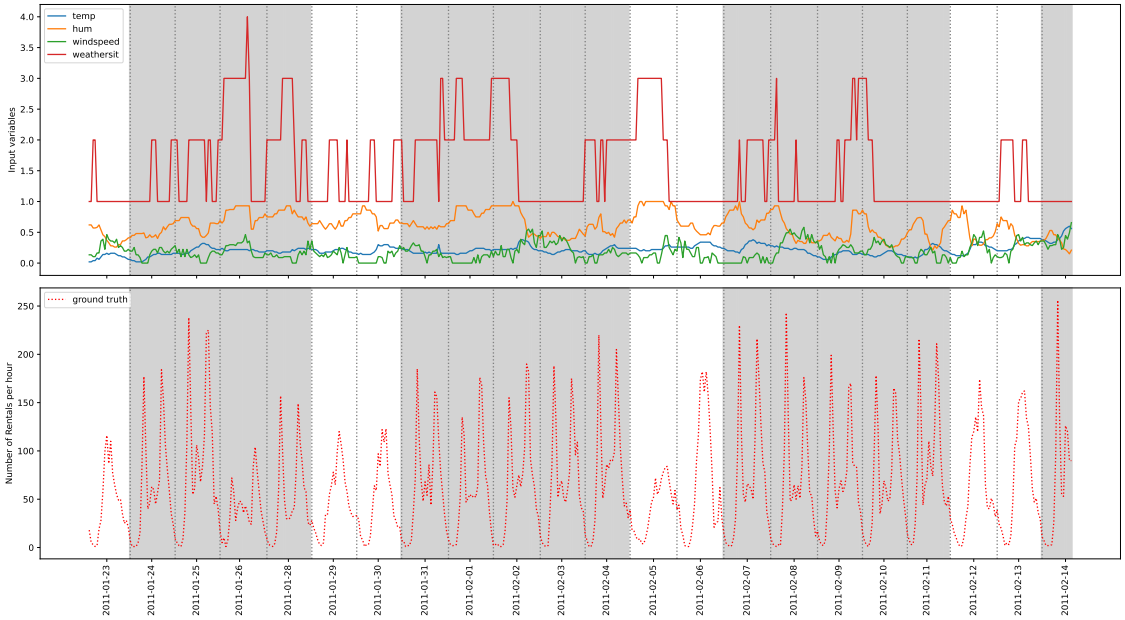
Regression for the Bike-sharing Dataset

In this tutorial, we will use a feed-forward neural network for a regression task. I.e., we want to predict a continuous real-value from a set if given inputs.

- The file `Regression_BSD_Readme.txt` contains a description of the data
- the hourly data is contained in the file `Regression_BSD_hour.csv`
- A preliminary Jupyter notebook is stored in `12T_Regression.ipynb`

A small part of the data is shown below:



Task: Construct a neural network which predicts the count of bike rentals (column `cnt`)! For this you will probably need to

1. Explore the data
2. Preprocess the data if necessary
3. Create a neural model, which computes a function mapping the input columns to the value stored in column `cnt` of the data

Hint: examine the range of the target column. I recommend using an output layer which contains a single unit computing a linear activation function.