**Dataset:** Since data size is large, not uploaded.

**Notebook:** *Power\_Consumption\_RNN.ipynb*

**Description:**  Measurements of electric power consumption in one household with a one-minute sampling rate over a period of almost 4 years. This archive contains 2075259 measurements gathered between December 2006 and November 2010 (47 months).

**Attributes:**

1. *date:* Date in format dd/mm/yyyy
2. *time:* time in format hh:mm:ss
3. *global*active*power*: household global minute-averaged active power (in kilowatt)
4. *global*reactive*power:* household global minute-averaged reactive power (in kilowatt)
5. *voltage:* minute-averaged voltage (in volt)
6. *global\_intensity:* household global minute-averaged current intensity (in ampere)
7. *sub*metering*1:* energy sub-metering No. 1 (in watt-hour of active energy). It corresponds to the kitchen, containing mainly a dishwasher, an oven and a microwave (hot plates are not electric but gas powered).
8. *sub*metering*2:* energy sub-metering No. 2 (in watt-hour of active energy). It corresponds to the laundry room, containing a washing-machine, a tumble-drier, a refrigerator and a light.
9. submetering3: energy sub-metering No. 3 (in watt-hour of active energy). It corresponds to an electric water-heater and an air-conditioner.

**Source:** kaggle.com