Website: http://archive.ics.uci.edu/ml/datasets/Individual+household+electric+power+consumption

Data Source: http://archive.ics.uci.edu/ml/machine-learning-databases/00235/

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| |  |  | | --- | --- | | **Individual household electric power consumption Data Set**  *Download*: [Data Folder](http://archive.ics.uci.edu/ml/machine-learning-databases/00235/), [Data Set Description](http://archive.ics.uci.edu/ml/datasets/Individual+household+electric+power+consumption)  **Abstract**: Measurements of electric power consumption in one household with a one-minute sampling rate over a period of almost 4 years. Different electrical quantities and some sub-metering values are available. |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Data Set Characteristics:** | Multivariate, Time-Series | **Number of Instances:** | 2075259 | **Area:** | Physical | | **Attribute Characteristics:** | Real | **Number of Attributes:** | 9 | **Date Donated** | 2012-08-30 | | **Associated Tasks:** | Regression, Clustering | **Missing Values?** | Yes | **Number of Web Hits:** | 333057 |   **Source:**  Georges Hebrail (georges.hebrail **'@'** edf.fr), Senior Researcher, EDF R&D, Clamart, France  Alice Berard, TELECOM ParisTech Master of Engineering Internship at EDF R&D, Clamart, France  **Data Set Information:**  This archive contains 2075259 measurements gathered in a house located in Sceaux (7km of Paris, France) between December 2006 and November 2010 (47 months).  Notes:  1.(global\_active\_power\*1000/60 - sub\_metering\_1 - sub\_metering\_2 - sub\_metering\_3) represents the active energy consumed every minute (in watt hour) in the household by electrical equipment not measured in sub-meterings 1, 2 and 3.  2.The dataset contains some missing values in the measurements (nearly 1,25% of the rows). All calendar timestamps are present in the dataset but for some timestamps, the measurement values are missing: a missing value is represented by the absence of value between two consecutive semi-colon attribute separators. For instance, the dataset shows missing values on April 28, 2007.  **Attribute Information:**  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.sub\_metering\_3: energy sub-metering No. 3 (in watt-hour of active energy). It corresponds to an electric water-heater and an air-conditioner. |

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