The dataset has been obtained from a real LTE deployment. During two weeks, different metrics were gathered from a set of 10 base stations, each having a different number of cells, every 15 minutes. The dataset is provided in the form of a csv file, where each row corresponds to a sample obtained from one particular cell at a certain time. Each data example contains the following features:

* Time : hour of the day (in the format hh:mm) when the sample was generated.
* CellName1: text string used to uniquely identify the cell that generated the current sample. CellName is in the form xαLTE, where x identifies the base station, and α the cell within that base station (see the example in the right figure).
* PRBUsageUL and PRBUsageDL: level of resource utilization in that cell measured as the portion of Physical Radio Blocks (PRB) that were in use (%) in the previous 15 minutes. Uplink (UL) and downlink (DL) are measured separately.
* meanThrDL and meanThrUL: average carried traffic (in Mbps) during the past 15 minutes. Uplink (UL) and downlink (DL) are measured separately.
* maxThrDL and maxThrUL: maximum carried traffic (in Mbps) measured in the last 15 minutes. Uplink (UL) and downlink (DL) are measured separately.
* meanUEDL and meanUEUL: average number of user equipment (UE) devices that were simultaneously active during the last 15 minutes. Uplink (UL) and downlink (DL) are measured separately.
* maxUEDL and maxUEUL: maximum number of user equipment (UE) devices that were simultaneously active during the last 15 minutes. Uplink (UL) and downlink (DL) are measured separately.
* maxUE\_UL+DL: maximum number of user equipment (UE) devices that were active simultaneously in the last 15 minutes, regardless of UL and DL.
* **Unusual (Output)**: labels for supervised learning. A value of 0 determines that the sample corresponds to normal operation, a value of 1 identifies unusual behavior.