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Background:

The world around us is full of signals. Computers and processors convert the analog signals into digital data, a process that signals.

What is data acquisition?

Data acquisition is a method by which data is collected by sampling it and converting it into numerical values. This process is called data acquisition. It involves a connection between a computer and a data acquisition device (DAQ), Raspberry Pi,

MyRaspberryPi

MyRaspberryPi is a student center for Raspberry Pi. It also has a lot of resources (like Input pins). This focus is on signal processing and data acquisition.

Data acquisition system

The physical quantity that we want to measure, generates a signal. This signal is then fed into the data acquisition system.

The data acquisition system samples the signal at a certain frequency. The samples are stored in an array. The array is then converted into a digital signal into a computer.