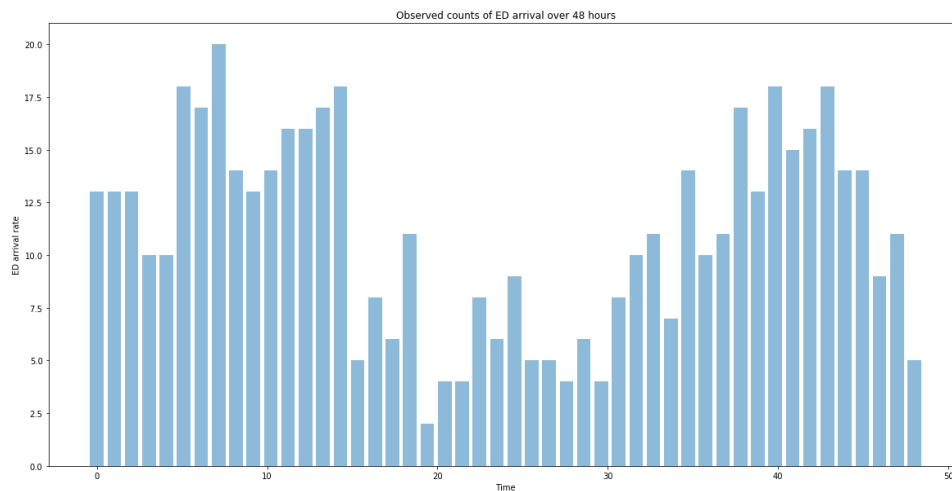# CDT Gaussian Process Practical

Requirements:
- Python programming language (version 3.7 and higher);
- Libraries: GPy, numpy, matplotlib, and scipy.

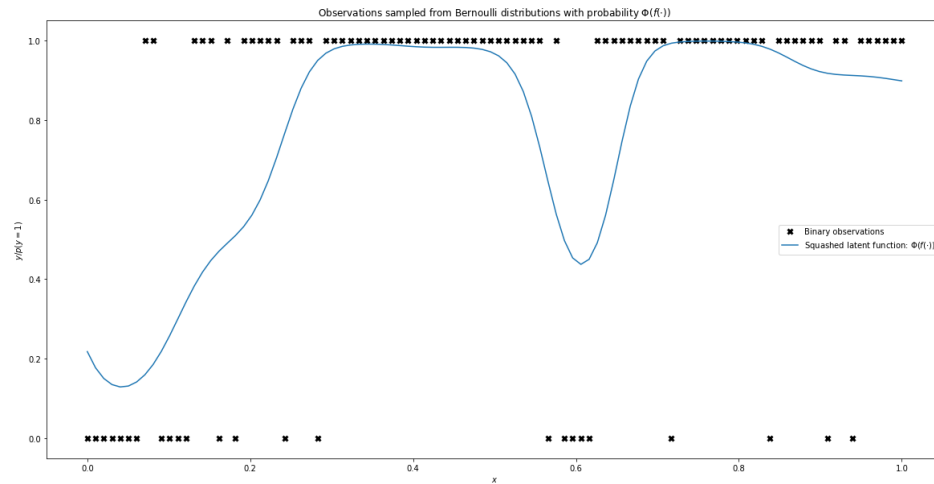**Tutorial 1**: Demo on Gaussian process functions (see tutorial1.py)

Tutorial 2: Fit a univariate Gaussian process to the atmospheric CO2 observations from the Mauna Loa Observatory in Hawaii (see tutorial2.py).

Tutorial 3: Using Gaussian process to model the arrival rate to the JR Emergency Department over 48 hours (see tutorial3.py).

Tutorial 4: Gaussian process classification (see tutorial4.py).

Tutorial 5: Multi-output/Multi-task Gaussian process (see tutorial5.py).