CREATE VIRTUAL QUANTUM COMPUTER

QUANTUM COMPUTATION BASICS IN PYTHON

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Table of Contents

[1 INSTALL DOCKER 2](#_Toc20694969)

[2 SETUP QVM AND QUILC CONTAINERS 2](#_Toc20694970)

[3 INSTALL AND UPDATE ANACONDA 4](#_Toc20694971)

[4 PROGRAM THE VIRTUAL QUANTUM COMPUTER 6](#_Toc20694972)

# CLASSICAL PROBABILITY DISTRIBUTIONS

1. In a classical probability example of a binomial distribution such as coin tossing, the random variable X takes the value of either 0 or 1:
2. The binomial probability abide by Kolmogorov Probability Theory which has the following properties:
3. Binomial probability in Python:

import numpy as np

n\_samples = 100

p\_1 = 0.2

x\_data = np.random.binomial(1, p\_1, (n\_samples,))

Output: