Lab 1

In this Lab:

Random variable

- · definition
- · representation.
  - table
  - pmf
  - CDF
- · in Python
  - create as an object
  - use object methods.

## Definition

A variable whose value is random.

- the room temperature right now

## Represent a tron

Toss a fair coin Head = 1, Tail = 0.

Table

С		0
þ	<u></u>	1/2

p(c)

COF



$$F(c) \stackrel{\triangle}{=} P_r(X \leq c)$$

In Python

Create as an object

X = scipy. stats. bernoulli (0.5)

module

Think of X as an virtual coin that exists in the computer

Use an objects methods

X, mean()

X. var ()

X. pmf ([0,1])