

## Distributions

**Goals:** To better understand probability distributions and the basic operations on them by implementing them in Python.

**Resources:** This assignment should be done individually.

Do `athrun 6.01 getFiles` to get the following file (in `Desktop/6.01/swLab10`):

- `distSkeleton.py`: a skeleton for implementing the `DDist` class.

### 1 Distributions in Python

#### Step 1.

**Wk.10.1.1-5** Do tutor problems [Wk.10.1.1](#) through [Wk.10.1.5](#). The material in these problems is covered in [section 7.3](#) and [section 7.4](#) of the course notes and in this week's lecture.

Now, let's consider how to implement joint distributions and operations on conditional distributions.

#### Step 2.

**Wk.10.1.6-7** Do tutor problems [Wk.10.1.6](#) and [Wk.10.1.7](#).

Some of the software and design labs contain the command `athrun 6.01 getFiles`. Please disregard this instruction; the same files are available on the 6.01 OCW Scholar site as a .zip file, labeled Code for [Design or Software Lab number].

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