Foundations of Data Science

Lecture 11

Iteration

Announcements

Random Selection

Random Selection

np.random.choice

- Selects at random
- with replacement
- from an array
- a specified number of times

np.random.choice(some_array, sample_size)

(Demo)

Discussion Question

```
d = np.arange(6) + 1
```

What results from evaluating the following 2 expressions?
Are they the same? Do they describe the same process?

```
np.random.choice(d, 1000) + np.random.choice(d, 1000)
```

```
2 * np.random.choice(d, 1000)
```

More Control Statements

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These statements *control* the sequence of computations that are performed in a program

- The purpose of **for** is to perform a computation for every element in a list or array

(Demo)