

Lecture 12, September 21

Conditional Statements and Iteration

Announcement

Project 1 will be released today in lab!

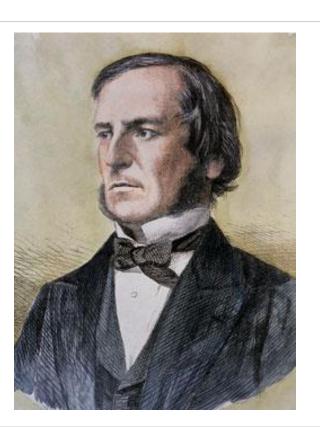
Random Selection

np.random.choice

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

George Boole

The Laws of Thought (1854)



Boolean

- Type
- "yes/no", "on/off"
- True, False
- 1, 0

Often the result of a "comparison".

(Demo)

Conditional Statement

```
if <if expression>:
    <if body>
elif <elif expression 0>:
    <elif body 0>
elif <elif expression 1>:
    <elif body 1>
else:
                                          (Demo)
    <else body>
```

for Statement ("loop")

for item_name in sequence:
 body
 For example,
 np.arange(5)

(Demo)

Caution ...

