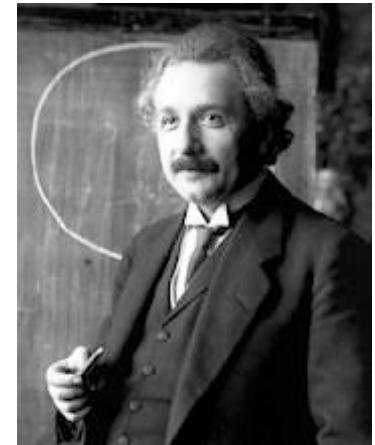
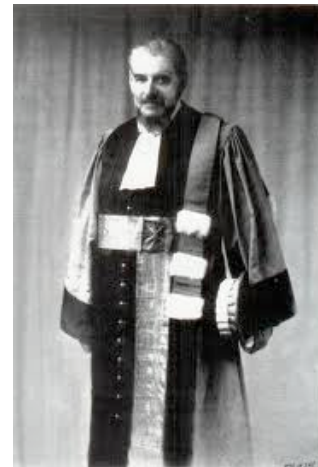
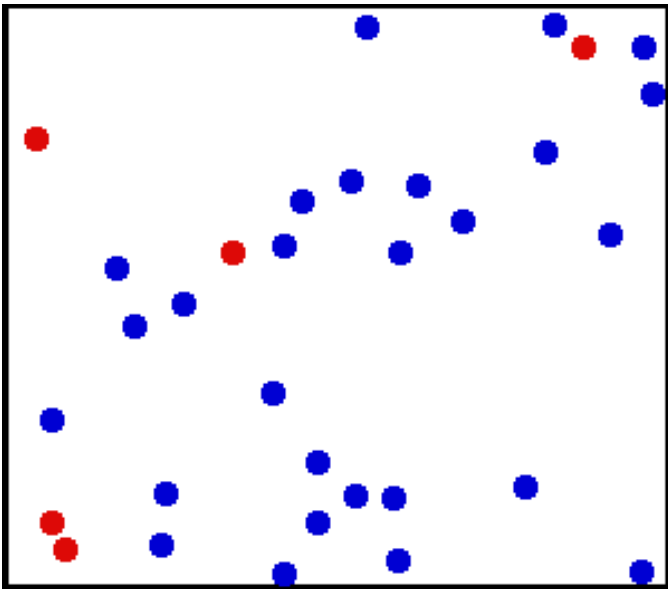


Random Walks and Simulation Models

Lecturer: John Guttag

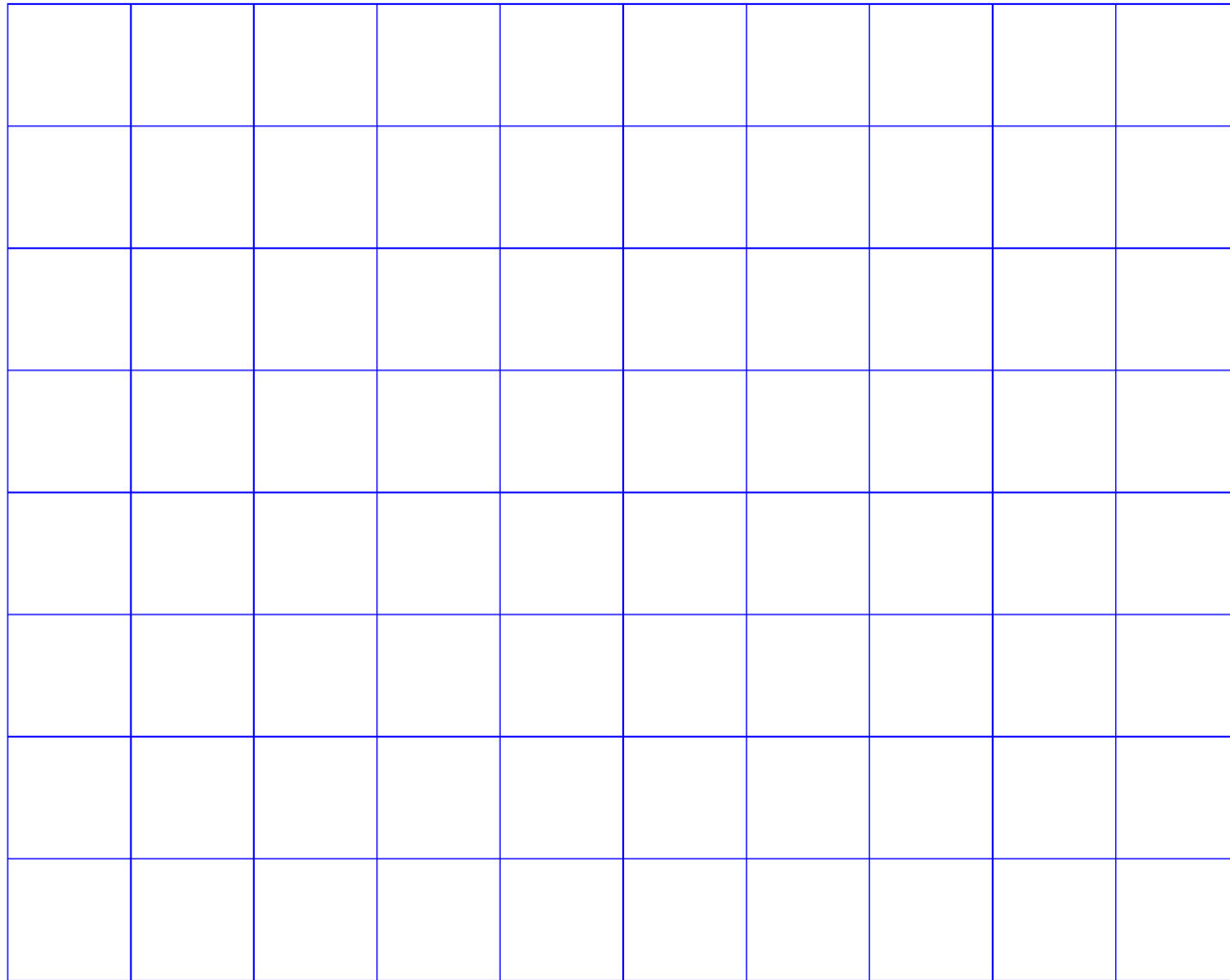
Brownian Motion



6.00x

Random Walks

6.00:



Random Walks

Notable Aspects of Class Location

Notable Aspects of Class Field

```
class Drunk(object):
    def __init__(self, name):
        self.name = name
    def __str__(self):
        return 'This drunk is named ' + self.name

import random

class UsualDrunk(Drunk):
    def takeStep(self):
        stepChoices = \
            [(0.0,1.0),(0.0,-1.0),(1.0, 0.0),(-1.0, 0.0)]
        return random.choice(stepChoices)
```