Random Walks and Simulation Models

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import random def walk(f, d, numSteps): start = f.getLoc(d) for s in range(numSteps): f.moveDrunk(d) return(start.distFrom(f.getLoc(d)))

```
def drunkTest(numTrials):
    for numSteps in [10, 100, 1000, 10000, 100000]:
        distances = simWalks(numSteps, numTrials)
        print 'Random walk of ' + str(numSteps) + ' steps'
        print ' Mean =', sum(distances)/len(distances)
        print ' Max =', max(distances), 'Min =', min(distances)
```



