Corrections

Page 5: Second full paragraph should read

Page 11, Figure 2.1: i//j Should be described as "floor division," not "integer division"

Page 17: Add to the end of the first full paragraph "A line of code that is too long to read easily on a screen can be broken into multiple lines on the screen by ending each line other than the last one with a backslash."

Page 51: factrR in Figure 4.5 should be factR

Page 67: The docstring for findExtremeDivisors should read

```
"""Assumes that n1 and n2 are positive ints
Returns a tuple containing the smallest common divisor > 1 and
the largest common divisor of n1 and n2. If no common divisor
other than 1, returns (None, None)"""
```

Page 70, Figure 5.2: The lower "Univs" should be "Univs1."

Page 114: Second sentence in 2^{nd} full paragraph should read "We could also print the value of s by writing print(s.__str__()) or even print(IntSet.__str__(s)), but using those forms is less convenient."

Page 205: The code for fastFib in Figure 13.2 should be

```
def fastFib(n, memo = None):
    """Assumes n is an int >= 0, memo used only by recursive calls
    Returns Fibonacci of n"""
    if memo == None:
        memo = {}
    if n == 0 or n == 1:
        return 1
    try:
        return memo[n]
    except KeyError:
        result = fastFib(n-1, memo) + fastFib(n-2, memo)
        memo[n] = result
        return result
```

Page 211: The start of fastMaxVal in Figure 13.7 should be

Page 219: ydist in distFrom should be yDist

Page 257: paragraph before figure should say that some "ranges of values" are more common ...

Page 260:

```
print scipy.integrate.quad(abs, 0, 5)[0] should be
print scipy.integrate.quad(gaussian, -2, 2, (0, 1))[0]

print scipy.integrate.quad(gaussian, -2, 2, (0, 1))[0] should be
print scipy.integrate.quad(gaussian, -2, 2, (0, 1))[0]
```

Page 331:

In the first sentence of the paragraph before first equation, "to to" should be replaced by "to"

The following sentence should be added after the first sentence of that paragraph, "Consider a sample containing the three examples: 100, 200, and 300."

```
Page 333, Figure 19.5 should start with the line from scipy import stats
```

Page 416: Second full paragraph, last sentence: model.coef[1][0] should be model.coef_[1][0].

Page 420, Figure 24.14, 6th line currently reads labels.append(15). It should read labels.append('D').

Page 421, first paragraph: "Since the weights are negative" should read "Since the weights are positive."

Page 427: Figure 24.19 contains the wrong code. It should contain

```
def getTitanicData(fname):
   data = \{\}
   data['class'], data['survived'], data['age'] = [], [], []
    data['gender'], data['name'] = [], []
    f = open(fname)
   line = f.readline()
   while line != '':
        split = line.split(',')
        data['class'].append(int(split[0]))
        data['age'].append(float(split[1]))
        if split[2] == 'M':
            data['gender'].append(1)
        else:
            data['gender'].append(0)
        data['survived'].append(int(split[3])) #1 = survived
        data['name'].append(split[4:])
        line = f.readline()
    return data
def buildTitanicExamples(fileName):
   data = getTitanicData(fileName)
   examples = []
   for i in range(len(data['class'])):
        p = Passenger(data['class'][i], data['age'][i],
                      data['gender'][i], data['survived'][i],
                      data['name'][i])
        examples.append(p)
    return examples
examples = buildTitanicExamples('TitanicPassengers.txt')
```