Corrections

Page 51: factR in Figure 4.5 should be factR

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').
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')