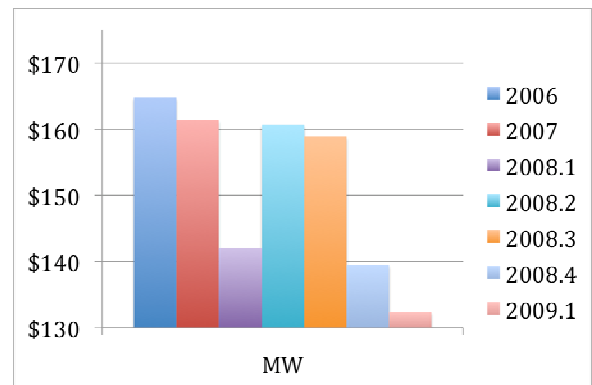
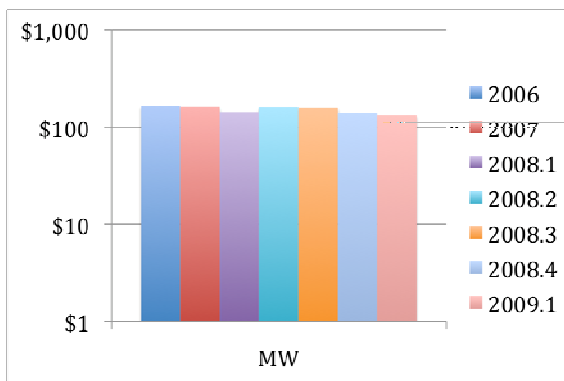
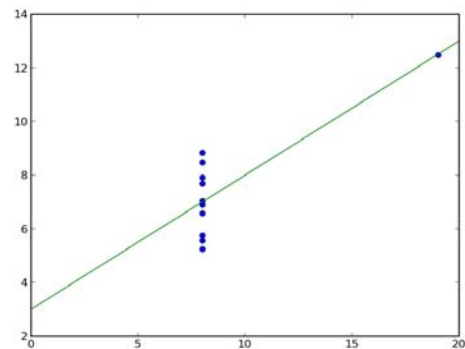
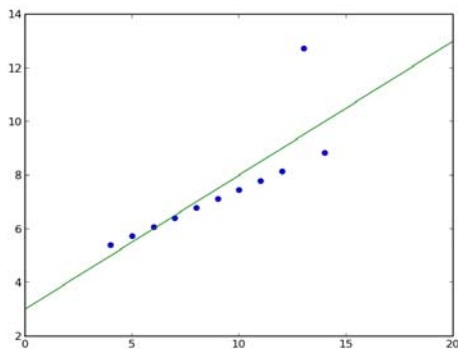
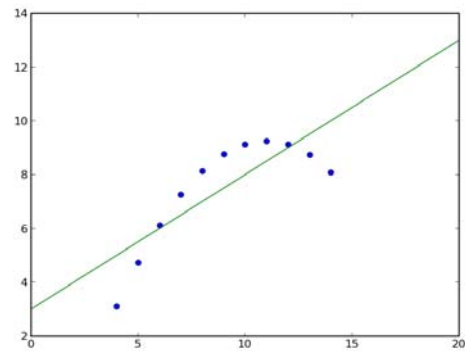
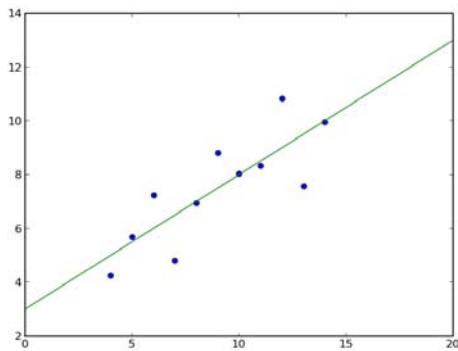
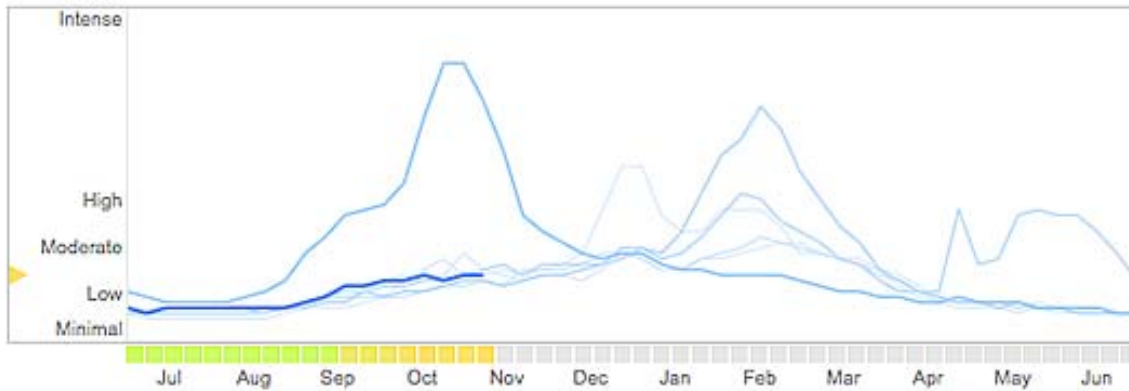
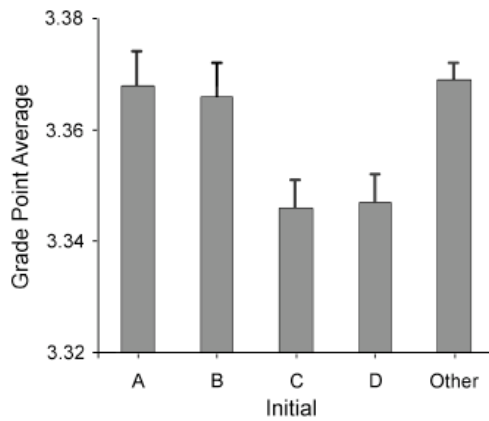


6.00 Handout, Lecture 24
(Not intended to make sense outside of lecture)

x	y	x	y	x	y	x	y
10.0	8.04	10.0	9.14	10.0	7.46	8.0	6.58
8.0	6.95	8.0	8.14	8.0	6.77	8.0	5.76
13.0	7.58	13.0	8.74	13.0	12.74	8.0	7.71
9.0	8.81	9.0	8.77	9.0	7.11	8.0	8.84
11.0	8.33	11.0	9.26	11.0	7.81	8.0	8.47
14.0	9.96	14.0	8.10	14.0	8.84	8.0	7.04
6.0	7.24	6.0	6.13	6.0	6.08	8.0	5.25
4.0	4.26	4.0	3.10	4.0	5.39	19.0	12.50
12.0	10.84	12.0	9.13	12.0	8.15	8.0	5.56
7.0	4.82	7.0	7.26	7.0	6.42	8.0	7.91
5.0	5.68	5.0	4.74	5.0	5.73	8.0	6.89





```
def juneProb(numTrials):
    june48 = 0.0
    for trial in range(numTrials):
        june = 0.0
        for i in range(446):
            if random.choice(range(1,13)) == 6:
                june += 1.0
        if june >= 48:
            june48 += 1
    juneProb = str(june48/numTrials)
    print 'Probability of at least 48 births in June = ' + juneProb
```

```
def anyProb(numTrials):
    anyMonth = 0.0
    for trial in range(numTrials):
        months = [0.0]*13
        for i in range(446):
            months[random.choice(range(1,13))] += 1
        if max(months) >= 48:
            anyMonth += 1
    aProb = str(anyMonth/numTrials)
    print 'Probability of at least 48 births in some Month = ' + aProb
```

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6.00SC Introduction to Computer Science and Programming
Spring 2011

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