Announcements

Unit Test-probability & statistics
Thursday 1/22/09
Sections 13.1, 13.2, 13.3, 134, 13.6

-Today: Gver 13.6 SKILLS TESTS!

-> Tomonow. Review SKILLS TESTS!

→ Friday: Celebration SKILLS TESTS

Overhpping / DR
$$P(A \text{ or } B) = P(A) + P(B) - P(A \text{ on } B)$$

$$P(A) = \frac{16}{32}$$
 $P(B) = \frac{2}{32}$
 $P(A = \frac{1}{32})$
 $P(A = \frac{1$

A Rook
Band Bishop

$$P(A) = \frac{4}{3a}$$
 $P(B) = \frac{4}{3a}$

Question asks Question asks prob. of this AND that probability of this OR that Overlapping mutialy exclusive: (this/that can P(A or B)=P(A)+P(B) P(A and B)=P(A).7(B) both hoppen): Dependent events-if P(A or B) = P(A) + P(B) - P(A and B)"this" happens, It changes the odds of "that" happening P(A and B) = P(A) P(Bgiven A)

9 A - roll a 2
B - roll a 5

$$P(A \text{ and } B) = P(A) \cdot P(B)$$

 $\frac{1}{6} \cdot \frac{1}{6} = \frac{1}{36}$

A King B and pawn

$$P(A \text{ and } B) = P(A) \cdot P(B \text{ given } A)$$

$$\frac{2}{8332} \cdot \frac{16!}{31} = \frac{1}{31}$$

Mean: Total of some numbers divided by the number of numbers 1, 2, 7 $\frac{1+2+7}{3} = \frac{10}{3} = 3.33$ Median: Middle value of a series of numbers

2dian: Middle value of a series of number
$$1, a, 7 = a$$

$$1, a, 7 = a + 7$$

$$1, a, 7, 9 = \frac{a+7}{a} = \frac{9}{a} = 4.5$$

Mode: The most common # in a series 1,2,2,7,7,9 = 7

Range: The difference between the greatest and smallest #'s in a series: $-2,0,1,7,20 \qquad 20-(-2)=[22]$

Mean absolute deviation. The difference between the mean of a set of #'s and each number in the set, $|\overline{x} - x_1| + |\overline{x} - x_2| + |\overline{x} - x_3|$ condensed to one number: Number of numbers 1, 2, 7, 10, -4, -8 $\frac{1+\lambda+7+10-4-8}{6} = \frac{8}{6} = 1.33 =$ | 1.33 - 1 | + | 1.33 - 2 | + | 1.33 - 7 | + | 1.33 - 10 | + | 1.33 - 8 | 33+45+53+53+933=30=5

Homework:

P. 877 1-24 att

P. 896-900 1-25 att

11, 13, 20