MENÉRAH-

16.1 Average Rents = \$1550,\$1700,\$900,\$850, \$1000,\$950 = X

X= +X= \$1550+\$1700+\$900+\$850+\$1000+972

= \$<u>6950</u>

= 1158.33

Standard Deviation= \(\frac{2(x-\overline{x})^2}{N-1} \)

N=6

 $5D = \sqrt{(1550 - 1158.33)^2 + (1700 - 1158.33)^2 + (900 - 1158.33)^2 + (900 - 1158.33)^2 + (950 - 1158.33)$

V-6-1

 $(391.67)^{2} + (541.67)^{2} + (-258.33)^{2} + (-308.33)^{2} + (158.33)^{2} + (208.33)^{2}$

 $\sqrt{5}$

153405,3889+293406,38+66734,38+95067,38
+ 25068,38+43401,38

 $=\sqrt{135416.66}$ = $\frac{1}{367.99}$

-MENORAH

16.2 Height in feet fox trees = 3,21,98,203,17,9

X=(3+21+98+203+17+9)/6 = 351/6 = 58.5

Variance = $-2 = 2(x-\overline{x})^2$

= (3-58.5) + (21-58.5) + (98-58.5) + (203-58.5) + $(17-58.5)^{2}+(9-58.5)^{2}$

 $-(-55.5)^{2}+(-37.5)^{2}+(39.5)^{2}+(144.5)^{2}+(-41.5)^{2}+$ $(-49.5)^2$

3080.25+1406.25+1560.25+20880.25+ 1722.25+2450.25

5 =2(variance) = 6219.9;

parsed in all=80
Failed in two=7
Failed in three=3

probability of failing in 0 subjects, p(x=0)=0.8 probability of failing in 1 subject, p(x=1)=0.1 probability of failing in 2 subjects, p(x=2)=0.03 probability of failing in 3 subjects, p(x=3)=0.03

pdistribution can be shown as

TX	0		2	3	1
(x)	0.8	0.1	0.07	0.03	-
1100					1_