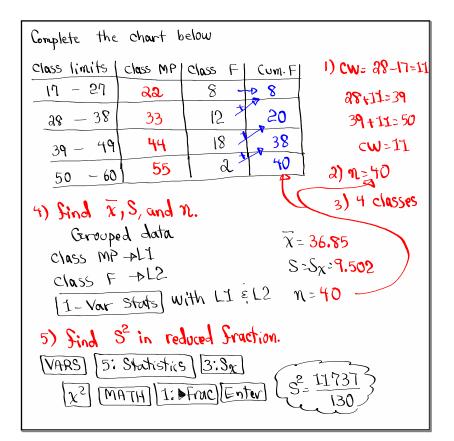
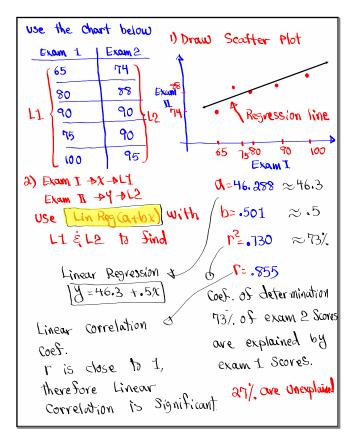
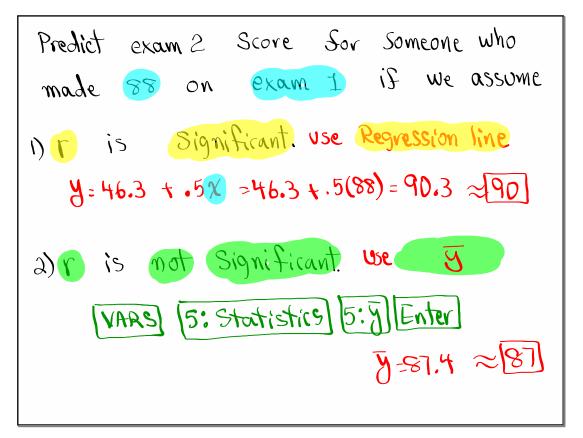


Feb 19-8:47 AM





Mar 2-7:32 AM



Consider the chart below

$$\frac{x}{2} + \frac{y}{9} + \frac{x^2}{4} + \frac{y^2}{81} + \frac{x^9}{18}$$

$$\frac{3}{3} + \frac{y}{19} + \frac{y}{16} + \frac{y^2}{42}$$

$$\frac{5}{5} + \frac{20}{20} + \frac{35}{400} + \frac{100}{100}$$

$$\frac{5}{4} + \frac{19}{16} + \frac{16}{361} + \frac{361}{76}$$
Use formulas to find
eqn of regression line

$$\frac{y}{2} = a + bx$$

$$a = \frac{2y}{2x^2} - \frac{2x}{2x} + \frac{2y}{2} = \frac{62 \cdot 54 - 14 \cdot 236}{4 \cdot 54 - 14^2} = \frac{44}{20}$$

$$= \frac{12 \cdot 2}{12}$$

$$b = \frac{n}{2x^9} - \frac{2x}{2} - \frac{2x}{2x^9} = \frac{4 \cdot 236 - 14 \cdot 62}{4 \cdot 54 - 14^2} = \frac{76}{20}$$

$$= 3 \cdot 8$$

$$y = a + bx = \sqrt{y} = 2 \cdot 2 + 3 \cdot 8x$$

Mar 2-7:52 AM

Use the Sormula to find the linear Correlation
Coef.

$$\Gamma = \frac{n \ge xy - \ge x \ge y}{\sqrt{n \ge x^2 - (\ge x)^2}} \cdot \sqrt{n \ge y^2 - (\ge y)^2}$$

 $= \frac{4 \cdot 236 - 14 \cdot 62}{\sqrt{4 \cdot 54} - 14^2} \cdot \sqrt{4 \cdot 1038 - 62^2} = \frac{76}{\sqrt{60}} \sqrt{308}$
 $= \frac{76}{\sqrt{6160}} = \frac{.968}{.968}$
Sind r^2 , coef. of determination, in whole,
 $r^2 = (.968)^2 = .937 = 93.7\% \approx .94\%$

At box has 5 Red, 8 Blue, and 12 white
Color balls. IS one ball is randomly
taken,
1)
$$P(\text{Red}) = \frac{5}{25} = \frac{1}{5} = \frac{2}{25}$$

2) $P(\text{Blue}) = 1 - P(\text{Blue}) = 1 - \frac{8}{25} = \frac{17}{25} = \frac{18}{25}$
3) $P(\text{Red} \ OR \ Blue) = \frac{5}{25} + \frac{8}{25} = \frac{13}{25}$
4) $P(\text{Red} \ and \ Blue) = 0$ Do not use 0
Impossible Sor 0.
Event

Mar 2-8:12 AM

