Stats Jan US.

Proce as it has good correlation so a proce value of almost I.

If Set C has the smallest value as it has no linear relationship so proce will be close to O.

Med - 8 hours

Med - 8 hours

UG - 24 hours

II Because the clata is showed.

III Advantage - All data is shown in full Discidenting - Horder to sport IGR & Med

3. A land 1 hours. d d2

A 6 $\frac{7}{8}$ 5 $\frac{7}{6}$ 1 $\frac{7}{1}$ $\frac{7}{1$

il Thate is a strong carrellation between their scores - They are in good aggreenent.

HIK=1- (1/4+1/5+2/5+1/10) k= 1/20. ii $E(\alpha) = 2\alpha i \rho i = (-2 \times 1/4) + (-1 \times 1/5) + (0 \times 1/20) + (1 \times 1/5) + (2 \times 1/6)$ $E(\alpha) = -1/10$ $Var(x) = \sum x_i^2 p_i = (-2^2 \times 1/4) + (-1^2 \times 1/5) + (0^2 \times 1/5)$ $Var(x) = 2 - M^2 = 2 - 1/00 = 199$ 5% X ~ Geo (1/20). 9 P(X=6) = 19/20 x 1/20 $b P(x > 10) = \frac{6.0387}{20}$ ii $E(\alpha) = 1/p = 20$. 6. X = prob that Louise wins first 2 sets. $\chi \sim B(5, \frac{3}{6})$ $P(x=2) = 5c_2 \times 3/8^2 \times 5/8^3$ = 0.343 $\frac{1/2}{1/2}$ L $\frac{2}{1/2}$ L = 3/8. $\frac{1}{2}$ M So $\frac{1}{2}$ x? = 3/8. P(L wins 2nd | wins 1st) = 3/4

iii P(M wins st 2) = 1/3. $1/2 \times ? = 1/3$. ? = 2/3. P(M wins 2nd l wins st) = 2/3.

Fi Boxes must be independent of each other. Probablities must revain fixed.

If a
$$P(Y=0)$$
 = $3 \cdot 6 \cdot 9/6^3$.

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P(Y=1) = $8 \cdot 6 \cdot 8/6^3$.

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P(Y>2) = $0 \cdot 187$.

P(W=0 $1 - (0 \cdot 187 + 0 \cdot 38)$)

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P(BG or GB).

F(BG or GB).

The interpolation of the search of each of the search of t

$$a = y - b\bar{\alpha}$$
 $a = \frac{15}{5} - (-0.06) = 0.5$
 $a = 4.08$

If
$$x = 19.5$$
 $y = 2.91$
 $x = 20.5$ $y = 2.85$.

$$291242452 2.91-2.85 = 0.06$$
iii $e_4 = a + b(23) - (3.3)$

$$= 4.08 + -0.06(23) - (3.3)$$

$$e_5 = a_{+b}(23) - (2.2)$$

= 4.08 + (-0.06)(23) - (2.2)

$$V = 0.5$$

$$V = 0.6^{2} + (-0.7)^{2} + 0.2^{2} + (-0.6)^{2} + 0.5^{2}$$

This is the minimum distance from the regression line:

V. Mean
$$\rightarrow 0.6 - 0.7 + 0.2 - 0.6 + 0.5$$

Variance
$$\Rightarrow \frac{500^2 - 0^2}{5}$$

= $0.6^2 + 0.7^2 + 0.2^2 + 0.6^2 + 0.5^2$
= $1.5 = 0.3$