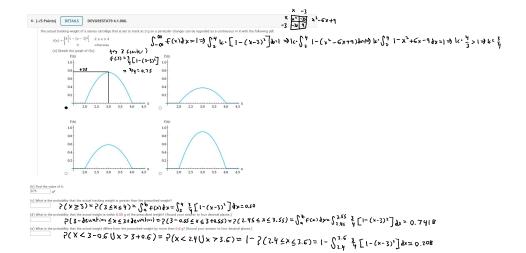
2. [-/4 Points] DETAILS DEVORESTAT9 3.2.019.

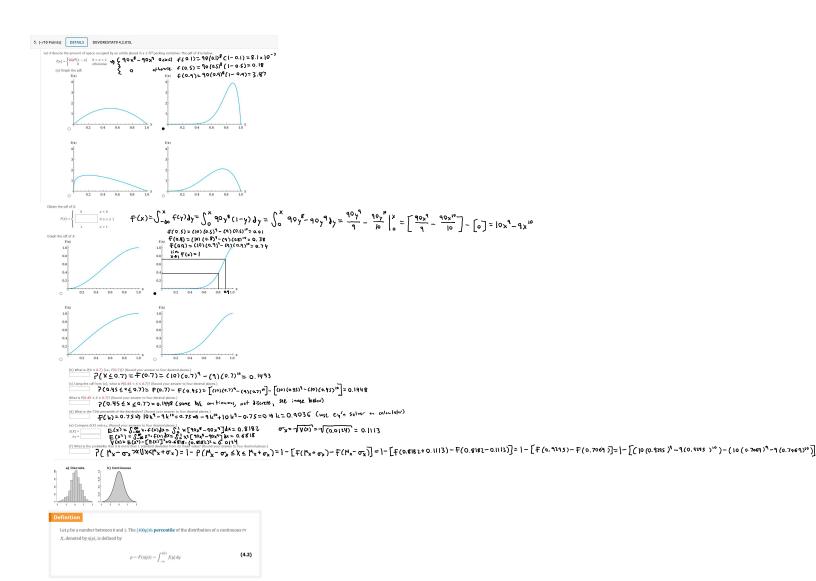


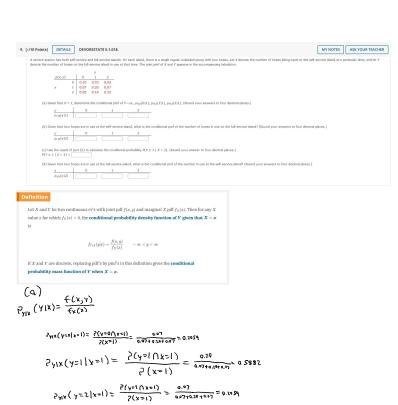
The native interpotents are 0.1. 2. 2. 3. (W.) = 0.3.7(W.) = 0.3

?(y=3) = ?(W, Sqt)+?(Th, Sqt)+?(F, Sqt)+?(Sqt, W)+?(Sqt, Th)+?(Sqt, F)+?(Sqt, Sqt)=(0.30)(0.15)+(0.35)(0.15)+(0.20)(0.15)+(0.15)(0.30)+









= 0.3137

$$P_{y|x}(y=0|x=2) = \frac{P(y=0|x=1)}{P(x=1)} = \frac{0.05}{0.05+0.14+0.32} = 0.0980$$

$$P_{y|x}(y=1|x=2) = \frac{P(y=1|(x=2))}{P(x=2)} = \frac{0.14}{0.05+0.14+0.32} = 0.2745$$

$$P_{y|x}(y=2|x=2) = \frac{P(y=2|(x=2))}{P(x=2)} = \frac{0.32}{0.05+0.14+0.32} = 0.6275$$

(4) 
$$||f_{y|x}(y \le 1 \mid x = 2)| = |f_{y|x}(y = 0 \mid x = 2) + |f_{y|x}(y = 1 \mid x = 2)|$$

$$= 0.980 + 0.2745$$

$$= 0.3725$$

$$\frac{2}{2} \left( \frac{1}{3} \right) = \frac{2}{2} \left( \frac{1}{3} - \frac{1}{3} - \frac{1}{3} \right) = \frac{2}{2} \left( \frac{1}{3} - \frac{1}{3}$$



$$\int_{-\infty}^{\infty} \int_{-\infty}^{\infty} f(x,y) \, dx \, dy = | \Rightarrow \int_{22}^{31} \int_{31}^{31} | k(x^{2}+y^{2}) \, dx \, dy = | \Rightarrow | k = \frac{1}{114,858}$$

$$f_{y}(y) = f_{x}(x) = \int_{-\infty}^{\infty} f(x,y) \, dy = \int_{22}^{31} | k(x^{2}+y^{2}) \, dy = \frac{x^{2}+709}{12,762}$$

$$E(y) = E(x) = \int_{-\infty}^{\infty} x \cdot f(x) \, dx = \int_{22}^{31} x \cdot \frac{x^{2}+709}{12,762} \, dx = 26.7523$$

$$E(xy) = \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} x \cdot f(x) \, dx = \int_{22}^{31} x \cdot \frac{x^{2}+709}{12,762} \, dx = 26.7523$$

$$E(xy) = \int_{-\infty}^{\infty} \int_{-\infty}^{\infty} x \cdot f(x) \, dx = \int_{31}^{31} x \cdot \frac{x^{2}+709}{12,762} \, dx = 26.7523$$

$$(0 \cup (x, y)) = E(xy) - E(x) \cdot E(y) = (715.6215) - (76.7523) (26.7523) = -0.0637$$

$$E(y^{2}) = E(x^{2}) = \int_{-\infty}^{\infty} x^{2} \cdot f(x) \, dx = \int_{22}^{31} x^{2} \cdot \frac{x^{2}+709}{12,762} \, dx = 722.3971$$

$$V(y) = V(x) = E(x^{2}) - \left[E(x^{2})\right]^{2} = (.7121)$$

$$O_{y} = O_{x} = \sqrt{V(x)} = -\sqrt{6.7121} = 2.5908$$

$$S = \frac{(60V(x, y))}{6.5905} = -0.0045$$

correlation coefficient

Covariance;

