FATIBLE OU Assignment

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5.29

n=6, N=9, k=4, x=2

h(n, N, n, k) = (1) (n-x)

 $= \frac{\binom{u}{2}\binom{5}{u}}{\binom{9}{1}} = 0.35$

n=5, N=9, k=4, n=2

 $h(n, N, n, k) = {n \choose n-x}$ = (4)(5)

= 0.47

$$P = n(E) = \frac{4000}{10000} = \frac{2}{50}$$

$$= {5 \choose 2} (0.75)^2 (0.25)^3$$

Innovate

Contract.

55

p=0.3 ,q=0.7

a) n=20, p(x210) = 1-p(x610)

= P(10) + P(1) ____ P(1)

=> 0.048 = 4.1

b) n= 20, p(x = 4)

= (20) pq 16 + (3) pq 17 + (20) pq 18 + (10) pq

= 0.23

c) n=20, P(n=5)

= (20) (03)5 (0.7)15

= 0.178

$$n=6$$
, $p=\frac{1}{2}$, $q=\frac{1}{2}$

=
$$P(n=2) + P(n=3) + P(n=u) + P(n=5)$$

$$=P(2)+P(1)$$

$$= \binom{6}{10.5}^{2}(0.5)^{2}(0.5)^{4} + \binom{6}{10.5}^{2}(0.5)^{2}$$

$$= 0.23 + 0.093$$

$$5.56$$

$$0 = 3$$

$$0) P(x=5) = P(5,3)$$

$$= (2.718)^{-3} (3)^{5}$$

$$5!$$

= 0.1008

$$= P(2,3) + P(1,3) + P(0,3)$$

$$= (2.718)^{3}(3)^{2} + (2.718)^{3}(3) + (2.718)^{3}(3)^{6}$$

$$= (2.718)^{3}(3)^{2} + (2.718)^{3}(3)^{6}$$

$$= P(1) + P(0) = 0.149 + 0.049$$

$$= P(3) + P(2) + P(1) + P(0)$$

$$= P(3,6) + P(2,6) + P(1,6) + P(0,6)$$

$$= (2.718)^{-3}6^{3} + (2.718)^{-6}(6)^{2} + (2.718)^{-6}(6)^{6}$$

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$$= (2.718)^{-3}6^{3} + (2.718)^{-6}(6)^{2} + (2.718)^{-6}(6)^{6}$$

$$= (2.718)^{6}(6)^{6} + (2.718)^{6}(6)^{7} + (2.718)^{6}(6)^{8}$$

$$P(x^{2}) = P(x^{2})$$

$$\frac{2}{3}P(x^{2}) = P(x^{2})$$

$$\frac{2}{3}P(x^{2}) + (2\frac{1}{3}P(x^{2})^{2} + (2\frac{1}{3}P(x^{2})^{2})^{2} + (2\frac{1}{3}P(x^{2})^{2})^{2}$$

$$\frac{2}{3}P(x^{2}) + (2\frac{1}{3}P(x^{2})^{2} + (2\frac{1}{3}P(x^{2})^{2})^{2} + (2\frac{1}{3}P(x^{2})^{2})^{2}$$

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$$\frac{2}{3}P(x^{2}) + (2\frac{1}{3}P(x^{2})^{2} + (2\frac{1}{3}P(x^{2})^{2})^{2} + (2\frac{1}{3}P(x^{2})^{2})^{2}$$

- 0.006