

### Question #128

Answer: B

$$\begin{aligned} {}_{0.75}p_x &= 1 - (0.75)(0.05) \\ &= 0.9625 \end{aligned}$$

$$\begin{aligned} {}_{0.75}p_y &= 1 - (0.75)(.10) \\ &= 0.925 \end{aligned}$$

$$\begin{aligned} {}_{0.75}q_{xy} &= 1 - {}_{0.75}p_{xy} \\ &= 1 - ({}_{0.75}p_x)({}_{0.75}p_y) \text{ since independent} \\ &= 1 - (0.9625)(0.925) \\ &= 0.1097 \end{aligned}$$