

48. You are given the following joint distribution:

X	Θ	
	0	1
0	0.4	0.1
1	0.1	0.2
2	0.1	0.1

For a given value of Θ and a sample of size 10 for X :

$$\sum_{i=1}^{10} x_i = 10$$

Determine the Bühlmann credibility premium.

- (A) 0.75
- (B) 0.79
- (C) 0.82
- (D) 0.86
- (E) 0.89