EXERCISE: AXIOMS (1/1 point)

Let A and B be events, with $\mathbf{P}(A) = 0.6$ and $\mathbf{P}(B) = 0.7$. Can these two events be disjoint?

No ▾ ✔ **Answer:** No

Answer:
If the two events were disjoint, the additivity axiom would imply that $\mathbf{P}(A \cup B) = \mathbf{P}(A) + \mathbf{P}(B) = 1.3 > 1$, which would contradict the normalization axiom.

You have used 1 of 1 submissions


Download on the
App Store


ANDROID APP ON
Google play