

- **The Sample space Ω should be**
 - a) Finite
 - b) Countable
 - c) Within $(0, 1)$
 - d) Within our solar system

- **Two events which are mutually exclusive are**
 - a) A partition of Ω
 - b) Independent
 - c) Such that both can't happen at the same time
 - d) Shown exclusively on Al-Jazeera Events

- **For two events E and F**
 - a) $P\{E\}P\{F|E\} = P\{F\}P\{E|F\}$
 - b) $P\{E\}P\{F|E\} > P\{F\}P\{E|F\}$, if $E \subset F$
 - c) $P\{E\}P\{F|E\} < P\{F\}P\{E|F\}$, if $F \subset E$
 - d) $P\{E\}P\{F|E\} < P\{F\}P\{E|F\}$, if $F = E$

- **For two events E and F , such that $E \subset F$**
 - a) $P\{E|F\} = P\{E\}/P\{F\}$
 - b) $P\{F|E\} = P\{F\}/P\{E\}$
 - c) $P\{E|F\} = 0$
 - d) $P\{F|E\} = 1$