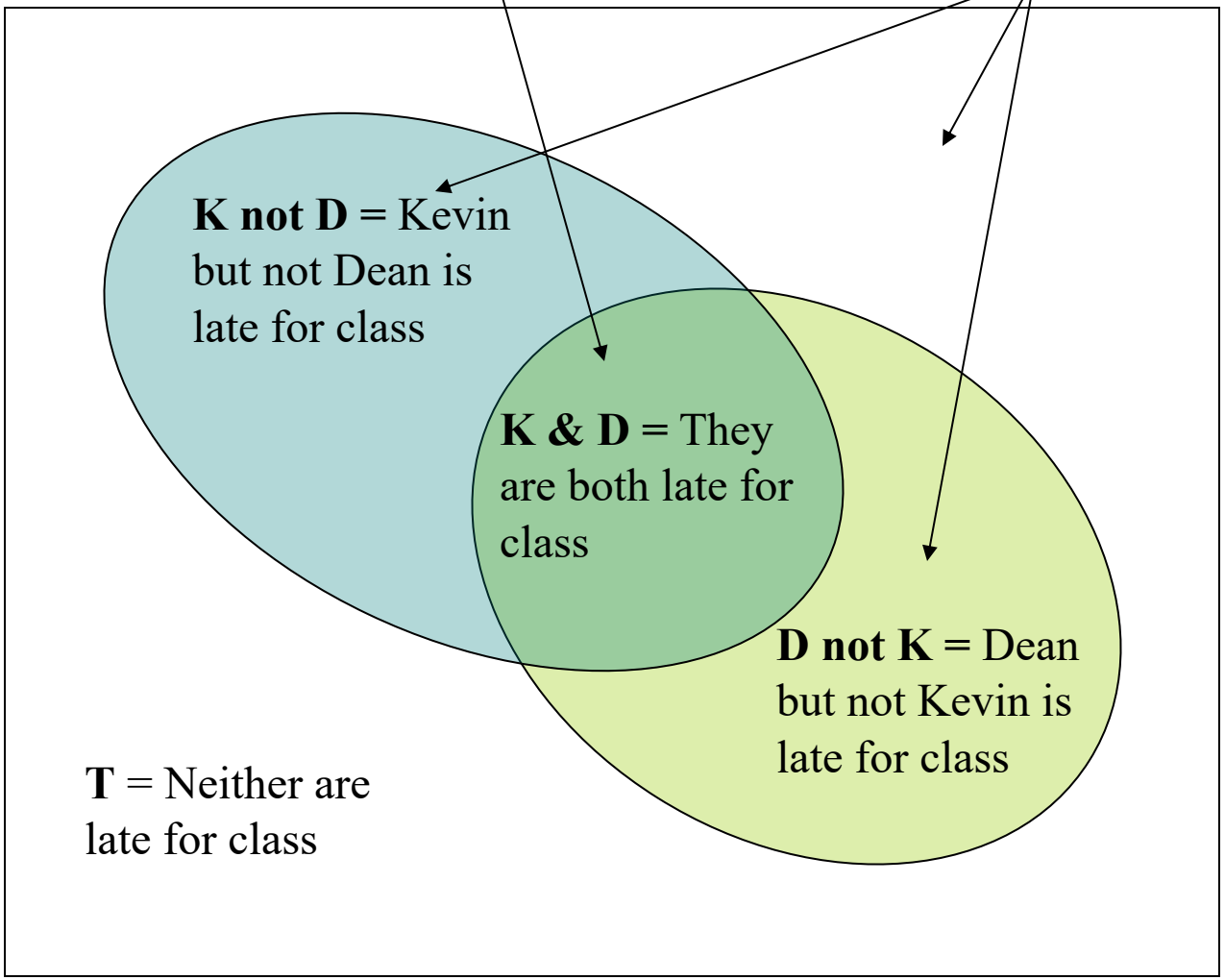
Probability Spaces

K = Kevin is late for Stats Class

D = Dean is late for Stats class

What event does this region represent?

What do these represent?

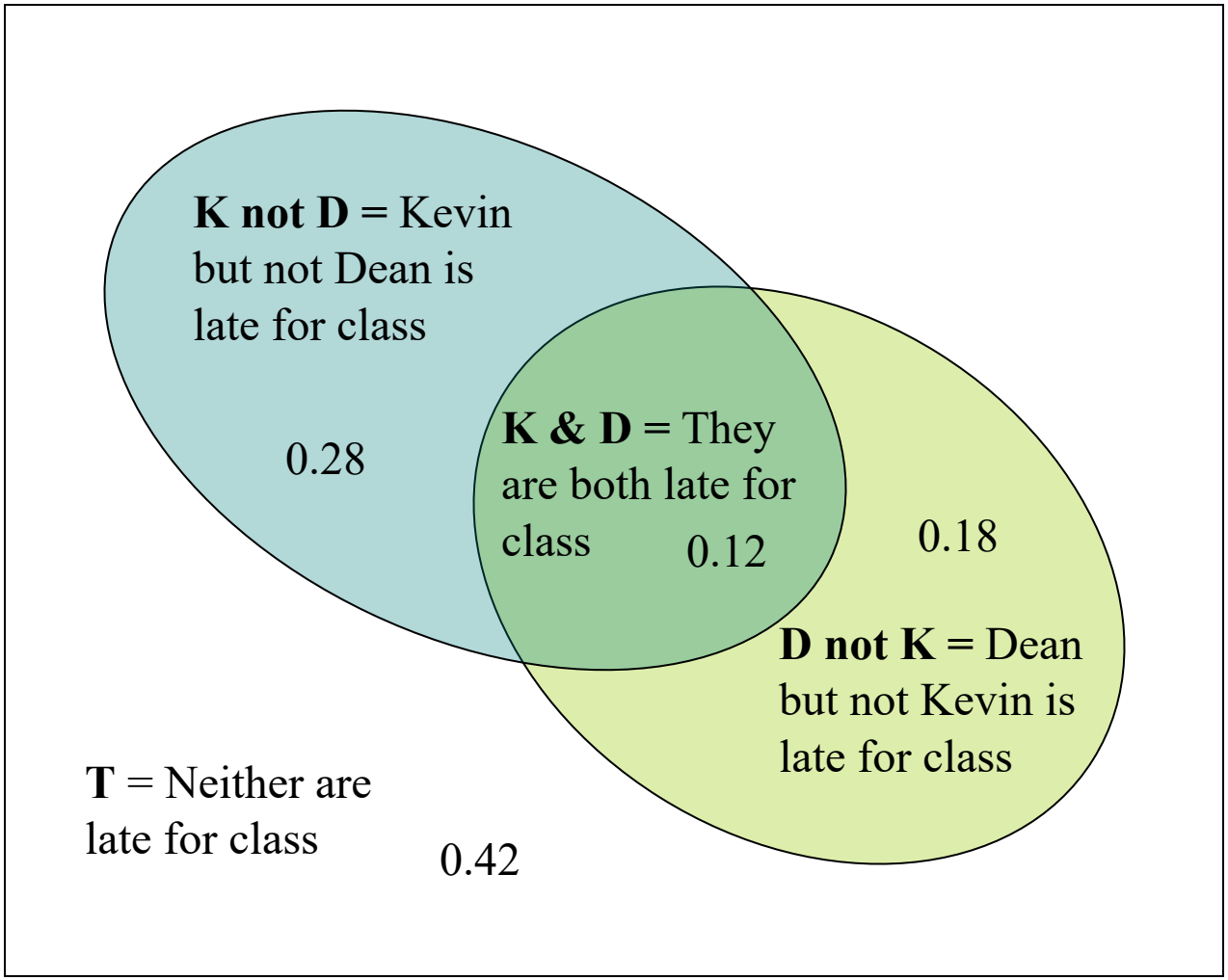


Sample Space

→

P(K) = 0.4 **P(D)** = 0.3 **P(K & D)** = 0.12 **P(K & D^C) = P(K & not D)** = ‘ 0.28

P(K & D^C) = P(K & not D) = ‘ 0.18 **P(T) = P(K^C & D^C)** = ‘ 0.42

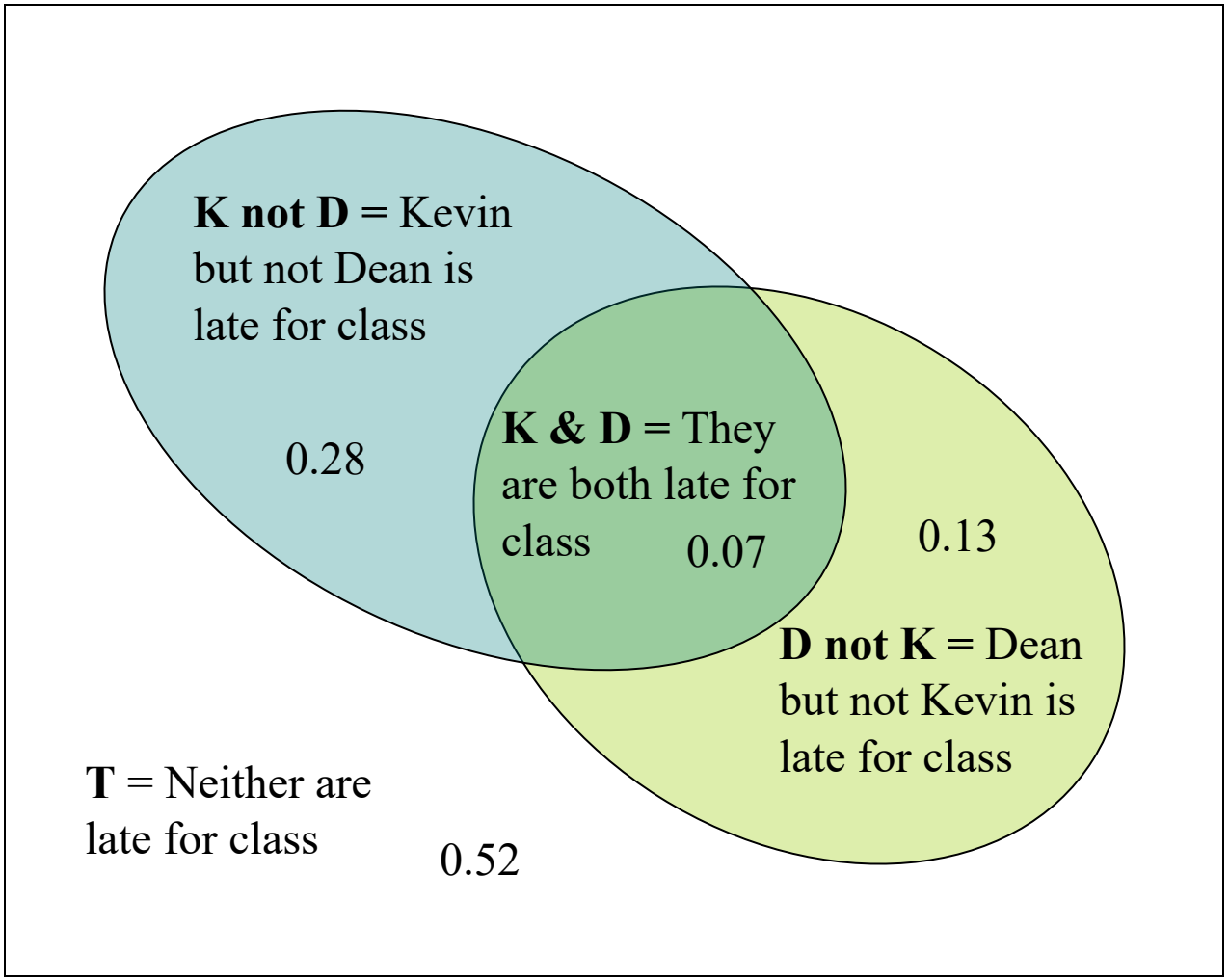


Sample Space

→

P(K not D) = 0.28 **P(K & D)** = 0.07 **P(K)** = 0.35

P(D) = 0.2 **P(K & D^C)** = **P(K not D)** = 0.13 **P(T)** = **P(K^C & D^C)** = ‘ 0.52



Sample Space