

Question #68

Answer is B

Using all participants, $S^T(4) = \left(1 - \frac{35}{300}\right) \left(1 - \frac{74}{265}\right) \left(1 - \frac{34}{191}\right) \left(1 - \frac{32}{157}\right) = 0.41667$.

Using only Country B, $S^B(4) = \left(1 - \frac{15}{100}\right) \left(1 - \frac{20}{85}\right) \left(1 - \frac{20}{65}\right) \left(1 - \frac{10}{45}\right) = 0.35$.

The difference is, $S^T(4) - S^B(4) = 0.41667 - 0.35 = 0.06667 = 0.07$.