The following errata were made on 25/Oct/2019

**page 30**  **TOPIC 4 - STATISTICAL APPLICATIONS** short question 2, should read:

2 Consider the continuous random variable \( X \sim N(44, 20) \).
Suppose \( P(X \leq m) = 0.65 \) and \( P(m \leq X \leq n) = 0.2 \).
Find \( n - m \).

**page 86**  **SOLUTIONS TO TOPIC 4 - STATISTICAL APPLICATIONS** short question 2, should read:

Using inverse normals:
\[
P(X \leq m) = 0.65 \\
\therefore m \approx 45.723  \\
P(X \leq n) = 0.65 + 0.2 = 0.85 \\
\therefore n \approx 48.635  \\
\therefore n - m \approx 2.91
\]