

BAMS1613 Answers

Dec 2021

- Q1. a) (i) Mean = 21.8182, Median = 20, Mode = 18, 20, 22
(ii) $Q_1 = 18$, $Q_3 = 22$, Quartile deviation = 2
b) (ii) Median = 80
(iii) standard deviation = 31.4426 minutes
- Q2. a) (i) (1) 0.0373
(2) 0.9999999356
(ii) 0.0869
b) (i) 0.9032
(ii) $k=133.272 \approx 133$ km
c) (i) 0.9953
(ii) 0.1813
- Q3. a) (0.05883, 0.14117)
b) (916.6586, 933.3414) (in RM)
c) $z = -34.2327$, reject H_0 .
d) $z = 1.0206$, do not reject H_0 .
- Q4. a) (i) 0.11
(ii) 0.81
(iii) 0.8
b) (i) 0.8305
(ii) 0.9292
(iii) $Y = 1.440108 + 0.102349X$