

Exam 2

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Problem 1

- (i) The most appropriate distribution that can be used to model STAT 3113 scores from Section A is a normal distribution, according to its AIC score
- (ii) The mean parameter, μ is estimated to be 89.666304
The standard deviation parameter, σ , is estimated to be 2.7653256
The variance parameter, σ^2 is estimated to be 7.647025674
- (iii) The most appropriate distribution that can be used to model STAT 3113 scores from Section A is a weibull distribution, according to its AIC score
- (iv) The mean parameter, μ is estimated to be 79.9657
The standard deviation parameter, σ , is estimated to be 1.53
The variance parameter, σ^2 is estimated to be 2.34129
The scale parameter, α , is estimated to be 80.650259
The shape parameter, β , is estimated to be 66.269092
- (v)