

37. A random sample of three claims from a dental insurance plan is given below:

225

525

950

Claims are assumed to follow a Pareto distribution with parameters $\theta = 150$ and α .

Determine the maximum likelihood estimate of α .

- (A) Less than 0.6
- (B) At least 0.6, but less than 0.7
- (C) At least 0.7, but less than 0.8
- (D) At least 0.8, but less than 0.9
- (E) At least 0.9