

28. You are given:

Claim Size (X)	Number of Claims
$(0, 25]$	25
$(25, 50]$	28
$(50, 100]$	15
$(100, 200]$	6

Assume a uniform distribution of claim sizes within each interval.

Estimate $E(X^2) - E[(X \wedge 150)^2]$.

- (A) Less than 200
- (B) At least 200, but less than 300
- (C) At least 300, but less than 400
- (D) At least 400, but less than 500
- (E) At least 500