CS215 Assignment 5 Estimation Transformations

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Question 2: Croph put in results' folder, '92-png'.

$$x \sim U(0,1)$$
 $y := -\frac{\log x}{\lambda}$
 $y := g(x) := -\frac{\log x}{\lambda}$
 $y := -\frac$

Interpretation: Relative error for finite N is less for posterior mean, than ML estimator.

- (i) As N increase; posterior mean converges to ML estimate.
 & relative error decreases.
- (ii) <u>Posterior mean estimator</u> is preferable because it has a <u>lower relative error</u> than that of ML estimator; for all <u>CS</u>rations of with plotted.

 Camscanner