HW #13

Describe the difference b/w incidence risk indices & likelihood risk indices.

The incidence risk index is a logarithmic measure by which is quantify how risky an activity is & is applicable to large populations. The likelihood risk index is also a logarithmic measure, but is used for a limited population size. The incidence risk index is better used when there is a section of a larger population disproportionately affected by risk.

1a) Likelihood risk for heads.

$p_{heads} = \frac{1}{2}$; $RI = 10 + \log_{10}(p_{heads}) =$ **9.30685**

b) Likelihood risk of 6 on a die.

$p_6 = \frac{1}{6}$; $RI = 10 + \log_{10}(p_6) =$ **8.20824**