Technical Appendix

Assessing the Costs and Benefits of an Oral Vaccine for Raccoon Rabies: A Possible Model

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A cost-benefit analysis uses the following formula (15):
Threshold costs were calculated by altering vaccine cost so that benefits minus cost, when discounted and summed over time, had an NPV of $0.

\[
Net\ Present\ Value\ (NPV) = \sum_{t=0}^{t=n} \frac{(Benefits-Costs)_t}{(1+r)^t}
\]

where:

- \( t = \text{year, from } t = 0, \ldots, n \)
- \( r = \text{discount rate} \)

Reference