

Adjust \hat{R} for errors

Steps

- ① ENTER \hat{R}, N_v, N
- ② ENTER Assumed values for P_L, r_v and f
- ③ Solve the following eq. for \hat{R}_{Adj}

$$\hat{R} - \left[\frac{\hat{R}_{Adj} (1+f) P_L r_v (N - N_v)}{(1+f) N_v \hat{R}_{Adj} (1 - P_L r_v) - (1+f) N_v + N r_v} \right] = 0$$

Approaches to solve for \hat{R}_{Adj}

- Approaches to solve for \hat{R}_{Adj}
- (1) Is there a good 'R Routine' to solve?
 - (2) Alternatively use Brute force: line search over 10 possible values for \hat{R}_{Adj} ,
eg $\hat{R}_{Adj} = .01, .02, \dots, 1, 1.01, \dots, 10$.
pick the \hat{R}_{Adj} that makes eq above closest to 0.