- Repeat:

$$E(c^*(\alpha)|c(\alpha) = r) = \frac{\sum_{i=1}^{s} N \, p_i \, p(c(\alpha_i) = r)}{\sum_{j=1}^{s} p(c(\alpha_j) = r)}$$

- Denominator is our definition of expected counts $E_N(N_r)$