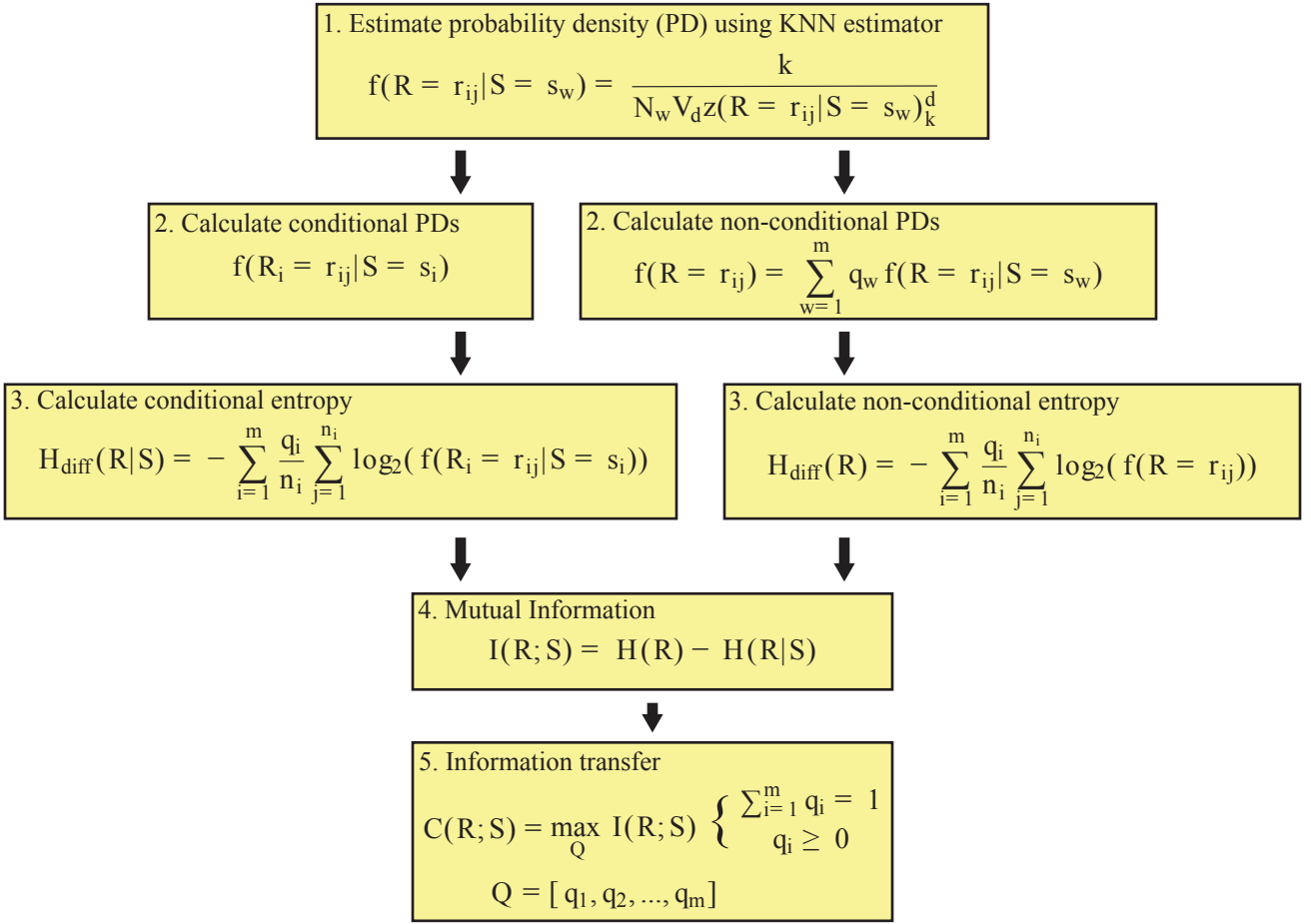
1. Estimate probability density (PD) using KNN estimator
$f(R = r_{ij}|S = s_w) = \frac{k}{N_w V_d z(R = r_{ij}|S = s_w)_k^d}$
2. Calculate conditional PDs
$f(R_i = r_{ij}|S = s_i)$
2. Calculate non-conditional PDs
$f(R = r_{ij}) = \sum_{w=1}^{m} q_w f(R = r_{ij}|S = s_w)$
3. Calculate conditional entropy
$H_{diff}(R|S) = -\sum_{i=1}^{m} \frac{q_i}{n_i} \sum_{j=1}^{n_i} \log_2(f(R_i = r_{ij}|S = s_i))$
3. Calculate non-conditional entropy
$H_{diff}(R) = -\sum_{i=1}^{m} \frac{q_i}{n_i} \sum_{j=1}^{n_i} \log_2(f(R = r_{ij}))$
4. Mutual Information
$I(R;S) = H(R) - H(R|S)$
5. Information transfer
$C(R;S) = \max_Q I(R;S)$ $\begin{cases} \sum_{i=1}^{m} q_i = 1 \\ q_i \geq 0 \end{cases}$
$Q = [q_1, q_2, ..., q_m]$