



Population Model

A simplified population genetic model can be assumed, specifying several parameters

$$P(X|Z, P, Q) = \prod_{i=1}^N \prod_{j=1}^L P_{z_{ij}, p_j, x_{ij}}$$

Where, the distribution of genotypes (\mathbf{x}) within individuals is due to mixing of populations (\mathbf{z}), at specified mixing rates (\mathbf{Q}), whose allele frequency spectra (\mathbf{P}) may differ.