

Loci

Individuals

0	2	2	1	1	0	1
0	2	1	0	1		
2	...					

X

$$E[x_{ij}|T] = 2p_i,$$

$$\text{Var}(x_{ij}|T) = 2p_i(1-p_i)(1+f_j),$$

$$\text{Cov}(x_{ij}, x_{ik}|T) = 4p_i(1-p_i)\varphi_{jk},$$

$$(1-F_{IT}) = (1-F_{IS})(1-F_{ST}),$$

$$(1-f_j) = (1-f_j^{L_j})(1-f_{L_j}),$$

$$F_{ST} = \sum_{j=1}^n w_j f_{L_j},$$

$$\hat{p}_i = \frac{1}{2} \sum_{j=1}^n w_j x_{ij},$$

$$\hat{\varphi}_{jk}^{\text{new}} \xrightarrow[m \rightarrow \infty]{\text{a.s.}} \varphi_{jk}.$$

E, Var, Cov, round, sgn,
logit, $\xrightarrow[m \rightarrow \infty]{\text{a.s.}}$, $\xrightarrow[n \rightarrow \infty]{\text{a.s.}}$,

$\xrightarrow[n, m \rightarrow \infty]{\text{a.s.}}$, x_{ij} , p_i , \hat{p}_i , F_{ST} ,

F_{IT} , F_{IS} , f_B^A , f_j , $f_j^{L_j}$, f_{L_j} ,

φ_{jk} , $\varphi_{jk}^{L_{jk}}$, $f_{L_{jk}}$, $f_{L_j}^{L_{jk}}$, R_{ST} ,

ϕ_{ST} , G_{ST} , G'_{ST} , $\hat{F}_{ST,i}^{\text{sample}}$,

\hat{F}_{ST} , $\hat{F}_{ST}^{\text{indep}}$, \hat{F}_{ST}^{WC} , $\hat{F}_{ST}^{\text{Hudson}}$,

$\hat{F}_{ST}^{\text{HudsonK}}$, $\hat{\varphi}_{jk}$, \hat{f}_j , $\hat{\varphi}_{jk}^{\text{std}}$,

\hat{f}_j^{std} , \hat{f}_j^{stdII} , $\hat{f}_j^{\text{stdIII}}$, $\hat{F}_{ST}^{\text{std}}$,

\hat{F}'_{ST} , \hat{F}''_{ST} , $\hat{\varphi}_{jk}^{\text{new}}$, $\hat{\varphi}_{\min}^{\text{new}}$,

\hat{f}_j^{new} , $\hat{F}_{ST}^{\text{new}}$, $\hat{\varphi}_{jk}^{L_{jk}, \text{beagle}}$,

$\hat{f}_j^{L_{jk}, \text{beagle}}$, $\overline{p(1-p)}$, A_{jk} ,

\hat{A}_{\min} .