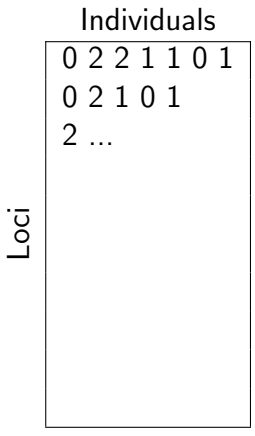

$$\mathrm{E}[x_{ij}|\,T] = 2p_i,$$
$$\mathrm{Var}(x_{ij}|\,T) = 2p_i\,(1-p_i)\,(1+f_j),$$
$$\mathrm{Cov}(x_{ij}, x_{ik}|\,T) = 4p_i\,(1-p_i)\,\varphi_{jk},$$
$$(1-F_{\mathrm{IT}}) = (1-F_{\mathrm{IS}})\,(1-F_{\mathrm{ST}})\,,$$
$$(1-f_j) = \left(1-f_j^{L_j}\right)\left(1-f_{L_j}\right),$$
$$F_{\mathrm{ST}} = \sum_{j=1}^{n} w_j f_{L_j},$$
$$\hat{p}_i = \frac{1}{2}\sum_{j=1}^{n} w_j x_{ij},$$
$$\hat{\varphi}_{jk}^{\mathrm{new}} \xrightarrow[m\to\infty]{\text{a.s.}} \varphi_{jk}.$$

E, Var, Cov, round, sgn, logit, $\xrightarrow[m\to\infty]{\text{a.s.}}$, $\xrightarrow[n\to\infty]{}$, $\xrightarrow[n,m\to\infty]{\text{a.s.}}$, x_{ij}, $\mathbf{x}_i$, $\mathbf{X}$, 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}, $\mathbf{\Phi}$, $\varphi_{jk}^{L_{jk}}$, $f_{L_{jk}}$, $f_{L_j}^{L_{jk}}$, R_{ST}, ϕ_{ST}, G_{ST}, G'_{ST}, $\hat{F}_{\mathrm{ST},i}^{\mathrm{sample}}$, $\hat{F}_{\mathrm{ST}}$, $\hat{F}_{\mathrm{ST}}^{\mathrm{indep}}$, $\hat{F}_{\mathrm{ST}}^{\mathrm{WC}}$, $\hat{F}_{\mathrm{ST}}^{\mathrm{Hudson}}$, $\hat{F}_{\mathrm{ST}}^{\mathrm{HudsonK}}$, $\hat{\varphi}_{jk}$, $\hat{f}_j$, $\hat{\varphi}_{jk}^{\mathrm{std}}$, $\hat{f}_j^{\mathrm{std}}$, $\hat{f}_j^{\mathrm{stdII}}$, $\hat{f}_j^{\mathrm{stdIII}}$, $\hat{F}_{\mathrm{ST}}^{\mathrm{std}}$, $\hat{F}'_{\mathrm{ST}}$, $\hat{F}''_{\mathrm{ST}}$, $\hat{\varphi}_{jk}^{\mathrm{new}}$, $\hat{\varphi}_{\mathrm{min}}^{\mathrm{new}}$, $\hat{f}_j^{\mathrm{new}}$, $\hat{F}_{\mathrm{ST}}^{\mathrm{new}}$, $\hat{\varphi}_{jk}^{L_{jk},\mathrm{beagle}}$, $\hat{f}_j^{L_j,\mathrm{beagle}}$, $\overline{p(1-p)}$, A_{jk}, $\hat{A}_{\mathrm{min}}$, SRMSD_p, $\mathrm{AUC}_{\mathrm{PR}}$.