for a given population (Original Brownich vessus Swiss

Repulation mean: (Genetics)

$$u = V_{M} \cdot f(G_{1}G_{1}) + V_{12} \cdot f(G_{1}G_{2}) + V_{22} \cdot f(G_{2}G_{2})$$

$$= (\rho^{2} - q^{2}) + 0 \cdot 2\rho q + (-q) \cdot q^{2}$$

$$= (\rho^{2} - q^{2}) + 2\rho q \cdot d$$

Statistics: Random variable V for genotypic values

· Republica mean corresponds to the expected value E[v] = u