

Linkage Disequilibrium

Biostatistics 666

Last Lecture

- Basic properties of a locus
 - Allele Frequencies
 - Genotype Frequencies
- Hardy-Weinberg Equilibrium
 - Relationship between allele and genotype frequencies that holds for most genetic markers
- Exact Tests for Hardy-Weinberg Equilibrium

Today ...

- We'll consider properties of pairs of alleles
- Haplotype frequencies
- Linkage equilibrium
- Linkage disequilibrium