

A population genetic model: the Hardy-Weinberg Model

The goal of the model is, given the genotype (or gene) frequencies in one generation, what will they be in the next generation?

The Hardy-Weinberg Model Cont'd

An example: CCR -5 variation in humans

The significance of allele frequencies:

Assumptions of the Model:

Utility of the HW model:

A test of the model:

Incorporating selection