Abstract

In bachelor's thesis I deal with the influence of various factors on the color of hair and eyes of the European population. In Europe, many still find blond and light eye colour population despite there is much darker colored populations. Here are some of the mechanisms causing maintain high polymorphism in the European population.

The first part of bachelor's thesis focuses on a brief description of the structure of the European population. The thesis also discusses the genetic determination of hair and eyes, its diversity and the differences of the population from the populations of Asia and Africa. In the next section, we discuss the emergence and spread of recessive alleles light eye color a blonde in Europe, particularly northern Europe. The following is a description of the mechanisms influencing the propagation and conservation of recessive alleles. In the penultimate chapter describes the relationship between the morphology of the face and eye color, and the last chapter summarizes the effects mentioned in the previous chapters and their effect on the length of the relationship between partners.