TP 2

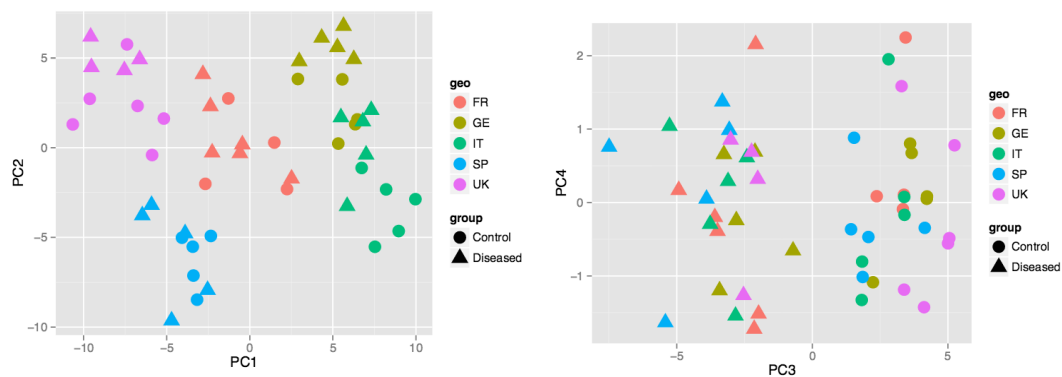**Exercice 1**

The two following Figures represent components 1 to 4 of a principal component analysis applied on a sample of 50 individuals coming from 5 different European countries (Germany, Spain, France, Italy and United-Kingdom). In this cohort, 25 are diseased and 25 are control subjects. Which component(s) contain(s) an information about geography ?

Exercice 2

Based on the following data, what would be the value of the TDT statistic ?