

From a table you obtained by rolling a 6-sided die find out, if the die is fair (N=36).
 Use chi-2 test with the usual significance level.

#	observed
1	2
2	5
3	9
4	2
5	7
6	11

Total 36 Total
 36

KHI2 $\alpha = 5\%$
 2.666667 ddl = 11,07
 0.166667
 1.5
 2.666667
 0.166667
 4.166667
 11.33333

$$\chi^2 = \sum_{i=1}^k \frac{(O_i - E_i)^2}{E_i}$$

With this data we reject H0 and accept H1 so the die is not fair

H0 the die is fair

H1 the die is not fair



