correlation

Aim: to implement and design correlation in r tool.

Formula:

R=n((∑xy)- (∑x)( ∑y))/ √(n∑x2-(∑x)2)[n∑y2-(∑y2)2]

Syntax:

diabetes1<-read.csv("C:/Users/Lenovo/Downloads/diabetes.csv")

diabetes1<-table(diabetes1 $Age,diabetes1 $Insulin)

diabetes1

chisq.test(diabetes1,simulate.p.value=TRUE)

output:

61 0 0 0 0 0 0 0 0 0 0 0

62 0 0 0 0 0 0 0 0 0 0 0

63 0 0 0 0 0 0 0 0 0 0 0

64 0 0 0 0 0 0 0 0 0 0 0

65 0 0 0 0 0 0 0 0 0 0 0

66 0 0 0 0 0 0 0 0 0 0 0

67 0 0 0 0 0 0 0 0 0 0 0

68 0 0 0 0 0 0 0 0 0 0 0

69 0 0 0 0 0 0 0 0 0 0 0

70 0 0 0 0 0 0 0 0 0 0 0

72 0 0 0 0 0 0 0 0 0 0 0

81 0 0 0 0 0 0 0 0 0 0 0

> chisq.test(diabetes1,simulate.p.

Pearson's Chi-squared test with simulated p-value (based replicates)

data: diabetes1 X-squared = 7561.7, df = NA, p-value = 0.998