Population	Population variables	Functor Random Variables

Person

Bob   Anna

X
Random Selection from Person.
P(X = Anna) = ½.

Y
Random Selection from Person.
P(Y = Anna) = ½.

Gender(X)
Gender of selected person.
P(Gender(X) = W) = ½.

Friend(X,Y) =
T if selected people are friends, F o.w.
P(Friend(X,Y) = T) = ½.

Gender(Y)
Gender of selected person.
P(Gender(Y) = W) = ½.