Example where 4 babies are born in a hospital. S, the sample space, is { (s., s2, s3, s4) | S;= 6 or g} For instance if the sexes are (b, g, g, b) then this is the outcome. (an we define, for instance, $X((s_1, s_2, s_3, s_4)) = s_1 ??$ X((6,9,9,6)) = b ??No, because random variable Should assign real numbers to outcome.

[Instead could write $X((s_1,s_2,s_3,s_4)) = 1$ if $s_1 = b$ = 2 if s = 9E.g. X((b,g,g,b)) = 1 Since $S_i = b$ X((g,g,g,b)) = 2 Since $S_i = g$.