


 ~/Probability and Probability Distribution - Shiny

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Discrete Random Variable Calculator

Univariate

Bivariate

Enter number of outcomes:

3

Submit

Enter value for outcome 1

3

Enter value for outcome 2

23

Enter value for outcome 3

13

Enter probability for outcome 1 (%)

15

Enter probability for outcome 2 (%)

35

Enter probability for outcome 3 (%)

50

Mean: 15
Variance: 46

Discrete Random Variable Calculator

Univariate

Bivariate

Enter number of outcomes for variable 1:

1

Enter number of outcomes for variable 2:

2

Submit

Enter value for outcome 1 and variable 1

23

Enter value for outcome 1 and variable 2

13

Enter probability for outcome 1 and variable 1 (%)

60

Enter probability for outcome 1 and variable 2 (%)

40

Expected Value: 19

Marginal Distribution for Variable 1:

[1] 0.6 0.4

Marginal Distribution for Variable 2:

[1] 1

Conditional Distribution of Variable 1 given Variable 2:

[,1]

[1,] 0.6

[2,] 0.4

Conditional Distribution of Variable 2 given Variable 1:

[,1] [,2]

[1,] 1 1