

Faisal Khan

ID : 13675

Probability of occurrence ( $P_i$ )	Possible Return ( $R_i$ )	Expected Return ( $\bar{R}$ ) ( $R_i \cdot P_i$ )	$(R_i - \bar{R})$	$(R_i - \bar{R})^2$
0.10	-0.10	-0.01	-0.21	0.0441
0.30	0.00	0	-0.11	0.0121
0.30	0.10	0.03	-0.01	0.0001
0.30	0.20	0.06	0.09	0.0081
0.10	0.30	0.03	0.19	0.0361
		$\Sigma = 0.11$		
		$\bar{R} = 0.11$		

Variance ( $\sigma^2$ ) $(R_i - \bar{R})^2 (P_i)$
0.00441
0.00242
0.00003
0.00843
0.00361
$\Sigma = 0.0129$

$$\sigma^2 = 0.0129$$

$$\sigma = \sqrt{0.0129}$$

$$\sigma = 0.1135$$

Expected Return = 0.11

Standard Deviation = 0.1135