

Simple & Joint probability

			BLACK (Y)			
	F(x,y)	1	2	3	4	F _x (x)
	1	1/16	1/16	1/16	1/16	4/16
RED (X)	2	1/16	1/16	1/16	1/16	4/16
	3	1/16	1/16	1/16	1/16	4/16
	4	1/16	1/16	1/16	1/16	4/16
	f _y (y)	4/16	4/16	4/16	4/16	1

Table 1 : BMI of Police officers in Kota Samarahan Police Department

	Thin BMI < 19	Normal BMI 19 – 25	Overweight BMI > 25	Total
Male	21	22	60	113
Female	5	19	21	45
Total	26	41	81	158

Table 2: contingency table for BMI of Police officers in London Police Department

	Thin BMI < 19	Normal BMI 19 – 25	Overweight BMI > 25	Total
Male	0.13	0.20	0.39	0.72
Female	0.03	0.12	0.13	0.28
Total	0.16	0.32	0.52	1

those in **red** are **simple probabilities** and those in **green** are **joint probabilities**