

Binomial PDF – Using Pascal’s Triangle to find ${}^n C_r$

Value of n

0					${}^0 C_0$					1
1			${}^1 C_0$	${}^1 C_1$			1	1		
2		${}^2 C_0$	${}^2 C_1$	${}^2 C_2$	\longleftrightarrow	1	2	1		
3		${}^3 C_0$	${}^3 C_1$	${}^3 C_2$	${}^3 C_3$	1	3	3	1	
4	${}^4 C_0$	${}^4 C_1$	${}^4 C_2$	${}^4 C_3$	${}^4 C_4$	1	4	6	4	1

Elements are found by adding the numbers diagonally above.