BE601 - DATA ANALYTICS I

Chapter 3 - Probability - Book Exercise

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# Exercise:

## 3.27

* define the outcome:

A1: use superior strategy

A2: use normal strategy

A3: use cheap strategy

B1: media ad

B2: price discount

B3: coupon

* event of interest: A1 በ B1

P(A1) = P(A2) = P(A3) = 1/3

P(B1) = P(B2) = P(B3) = 1/3

Because A & B are statistically independent:

P(A1 በ B1) = P(A) \* P(B) = 1/9

## 3.28

# number of ways to rank: 9!  
factorial(9)

## [1] 362880

For each of the position, the chance to be correct is 1/9

## 3.29

: receive full scholarship

: receive 50% scholarship

#