PadhAl: Probability Theory

One Fourth Labs

Probability Distribution

What is a marginal distribution?

1. Consider a random variable G for grades

G	P(G=g)
А	0.1
В	0.2
С	0.7

- 2. The above table represents the marginal distribution over G
 - a. $(G = g) \forall g \in A, B, C$
- 3. i.e. The probability of every possible value that the random variable can take (sums to 1)
- 4. We denote this marginal distribution compactly by P(G)