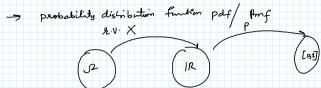
Lecture 9 (Gr 25-27)

Recap

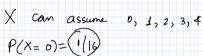
Random Variables (1. v.)

- Disarte r. v.
- -> Continuous &.v



Que If a car company sells 50% of cars with side airbage 50% without side au bags depending on customer's choice What will be the pdf/pmf for the e.v.

> X = number of cars with side authorse among the next 4 cars sold by the company.

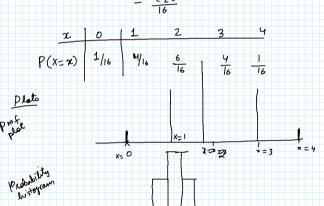


$$P(X=3) = \frac{423}{16}$$

$$P(x=1) = \frac{u_{c} = 4}{16}$$

$$P(x=2) = \frac{u_{c} = 4}{16}$$





Sometimes we are interested in

For example

Tossing a coin twice

X- no. of heads

X can assume

