CORS 12.

2) Reportiti conditionale pt. cool continue Formle probab. totale. A, the, ... An event din A)= fx (*) = \(\sum_{i=1} \frac{f}{f} \times (\pi) P(\pi,) \)
x este o v. 2. continui \(\) Formle probab totale. PB) = E PBIA, P(Ai)

-) Independents v. 2. continue.

Stie (A, F, P) un c.p.) => X six sut independente si X, y done v. z. c. notin X Ly relate fx, y (x, y) =

= fx (*) - fy (y) or Com fx, y (*, y) = fx, y (*) fy (y) oven co.

fx/y = (*/y) = fx (x), fy

Obs Dat X si & v.a. independente at. P(XeA, YeB)=P(XeA)P(YeB)
In particular, des A=[X & x] si B={Y & y} at.

Tx, y = (x,y) = Tx (x) Fy (y) + x,y

B) Dois densitates commis a v.a. X si y ato de forme.

Le, y (e,y) = g(2/. hy) at X 14

Formb li Baya: frail Egont frix (y/x) [i-fheits] friy (x/y)

frix (x/x) - fx(x)

fry (x/y) $f_{xy}(*1) = \frac{f_{yx}(y1*) f_{x}(*)}{\int_{-\infty}^{+\infty} f_{yx}(x) f_{x}(*) dx}$ Formels probable totale.

X/Y discret Cont.

Discret $P(x=x) = \sum P(x=x|y=y) \cdot P(y=y) \cdot P(x=x) = \sum P(x=x|y=y) \cdot P(y=y) \cdot P(y=y) \cdot P(x=x) = \sum P(x=x|y=y) \cdot P(y=y) \cdot P(y=y) \cdot P(x=x) = \sum P(x=x|y=y) \cdot P(y=y) \cdot P(x=x) = \sum P(x=x|y=y) \cdot P(y=y) \cdot P(y=y) \cdot P(x=x) = \sum P(x=x|y=y) \cdot P(y=y) \cdot P(x=x) = \sum P(x=x|y=y) \cdot P(y=y) \cdot P(x=x) = \sum P(x=x|y=y) \cdot P(y=y) \cdot P(y=y) \cdot P(x=x) = \sum P(x=x|y=y) \cdot P(y=y) \cdot P(y$ Formula hi Bapos.

Xly

discret $D(Y=y|X=x) = |P(X=x|Y-y) \cdot P(Y=y) + |Y|X \cdot |P(X=y) \cdot f(y)$ D(X=x) $D(Y=y|X=x) = |P(X=x|Y-y) \cdot P(Y=y) + |P(X=x|Y-y) \cdot f(y)$ $D(X=x) = |P(Y=y|X=x) = |P(X=x|Y-y) \cdot |P(Y=y) + |P(Y=y) \cdot |P(Y=y) \cdot |P(Y=y) + |P(Y=$