## to Ripasso - \*2

1) Colcola nº augranni delle parde:

- RIGRSO: 
$$\frac{7!}{2! \cdot 2!}$$
 - CARPACIO:  $\frac{9!}{2! \cdot 3!}$ 

2) 
$$\times \frac{7}{3} \frac{3}{4} \frac{4}{5} = \frac{3}{20} = \frac{3}{4} = \frac{$$

b) E[x]? E[Y]?

$$E[X] = 1.\frac{3}{20} + 7.\frac{1}{9} + 3.\frac{1}{20} = \frac{32}{20} = \frac{3}{5} \stackrel{?}{\sim} 1.6$$

$$E[Y] = 3.\frac{3}{5} + 4.\frac{1}{5} = \frac{13}{5} \stackrel{?}{\sim} 3.25 \quad (3<...<4)$$

$$= 1.3^{2} \cdot \frac{1}{5} + 1.5^{2} \cdot \frac{1}{5} + 2.3 \cdot \frac{1}{2} + 3.16 \cdot \frac{1}{20} = 16,35$$

d) Cov(x,Y) = E[XY] - E[X] E[Y] E[XY]=1.3.4+1.4.6+2.3.2+3.4.20=5,15 Cov (X, Y) = 5, 15 - (1, 6.3, 25) = 0,05 seige oppossinae) Poidu' Cov (X, Y) to, X e Y sous dipendenti 3) Dolle 18.00 the distrexp >= 6,3 a)  $P(18.15 - 18.30) = \frac{1}{5} 6.3e^{-6.3x} = \frac{6.5e^{-6.3x}}{5}$ b) P(c13.00) = -e-6,3x | = -e-6,3 + 1 = 33,3% c) ? (<18-45) sependo de non e' serioto <18.15 ? (<3/2 >4)  $= \frac{P(\langle 18.46 \rangle) - P(\langle 18.16 \rangle)}{\frac{1}{15.45}}$   $= -e^{-6.3 \times |\frac{3}{4}|} + e^{-6.3 \times |\frac{1}{4}|} = \frac{-6.3 \times |\frac{1}{4}|}{\frac{2}{9}} = \frac{-6.3 \times |\frac{1}{4}|}{\frac{2}{$  $= -e^{-6,3\frac{3}{4}} + + e^{-6,3\frac{1}{4}} - \times 0,17,3 = 17,3\%.$ (oppule Boyes oppule:) eprivolute colulore P(x<3/4 |x>4) = 1-P(x>3/x>4) =  $1 - P(x > \frac{1}{2} | x > \frac{1}{2}) = 1 - P(x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \le \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \ge \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \ge \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \ge \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \ge \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \ge \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \ge \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \ge \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \ge \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \ge \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \ge \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \ge \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \ge \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x > \frac{1}{2}) = P(x \ge \frac{1}{2})$  numericaliste  $\frac{1}{2} | P(x > \frac{1}{2} | x >$ 

$$= \frac{(\frac{1}{6} + \frac{1}{6})^{\frac{2}{3}}}{(\frac{1}{6} + \frac{1}{6})^{\frac{2}{3}} + (\frac{1}{9} + \frac{1}{3})^{\frac{2}{3}}} = 0.3$$

a) es. di cod bin univ. me no ist

$$\times 10^{-1}$$
  $= 1?$   $= 1?$   $= 0,8375$  soddisfa Kroff  
 $\times 100$   $= 0,8375$  soddisfa Kroff  
 $\times 1000$   $= 0.8375$  soddisfa Kroff  
 $\times 1000$   $= 0.8375$  soddisfa Kroff  
(Conditione non only); ciente pri)

b) ist e v.d.

$$\frac{dl}{ds} = \frac{s^3}{\sqrt{2\pi}} \frac{5^3}{\sqrt{2\pi}} \frac{(x-\mu)^2 - \text{persondoui}}{\sqrt{2\pi}} \frac{(\text{some in numero noto})}{\sqrt{2\pi}} \frac{\sqrt{2\pi}}{\sqrt{2\pi}} \frac{(\text{ho } x; \text{ e.u noti})}{\sqrt{2\pi}} = 0.5^2$$

e' un stimotore corretto, perche 52 nella Soussione corrisponde ella vertionza

Combinotoria E[V], E[spende]
P Pand, 1307es,
C consinte
H

inf. frey (mox vers.)
inf Bayesiana (no mox a posteriori, no mon: paori = posteriori)
monte colo

Terris von. (cod oxilm)