COBME CTH AR

Draitour x:

UNOTROCIP

(ii)
$$\int_{\mathbb{R}^d} p(x) = 1$$

P(B)P(DIB) (P(D) 300 kopunpalke cropee data reing (70, 200 Mbr gyram posterior garner) (TO, 200 min gymaen)

likelyhood

Ecnu x,y-guckp., 70

$$\frac{P(x,y)}{P(y)} = \frac{\mathbb{P}\{\chi_{=x}, \chi_{=y}\}}{\mathbb{P}\{\chi_{=x}\}}$$

Ecny
$$p(x,y) = p(x) \cdot p(y)$$
, so $x, y = 4.3$.

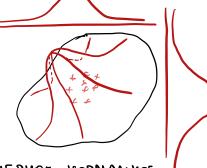
orchoga chegyes, 200

$$P(x|y) = \frac{P(y|x)P(x)}{P(y)} \qquad (*)$$

OBDBUSEHUE - ULABRYO ULDONSBEDEHM

B YACTHOCTU, ECAN

X ... , X .. - nonapko keza Bucumu, TO



NPUMER - LEHEBAYM CVOB

"М НОГОМЕРНОЕ КОРМАЛЬНОЕ PACOPE DEAEHNE = OPOUSB. OV HOWEDHAY "

OPOUNTETPUPYEM (x):

$$\int P(y|x) dy = \int \frac{P(y) P(x|y)}{P(x)}$$
yepequeen

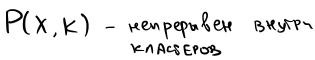
No seen y

Ecnu bgpyr y-guckpærke, to
$$\sum_{y} P\{y_{=y} \mid X_{=x}\} = \sum_{y} \frac{P\{y_{=y}\} \cdot P\{x_{=x}, y_{=y}\}}{P\{x_{=x}\}}$$

K-konep knaciepa XER - pacnonoxekue









KAK UCMON-34 et a B MAW, DBY 4EHUU?

Dyer P= {P, & - napametpusobathoe cemercibo Pacapedenetur $X_1 \sim X_1 \sim X_2 \sim P_{\theta}(x)$

MOXEM WOLAR MAKCHMYM THABAOTODOBNE

"OIII O III"
$$X_i \sim B_{in}(\theta)$$
 $\theta = \frac{3}{4} - MARCHMYM CHABLORODOGUS$

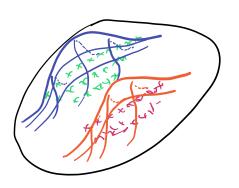
$$b(\theta 1D) = \frac{b(\theta) \cdot b(D 1\theta)}{b(\theta)}$$

ECAN D= 8(x-1) (MM OPAM YBEPENH, 470 MONETRA YECTHAR)

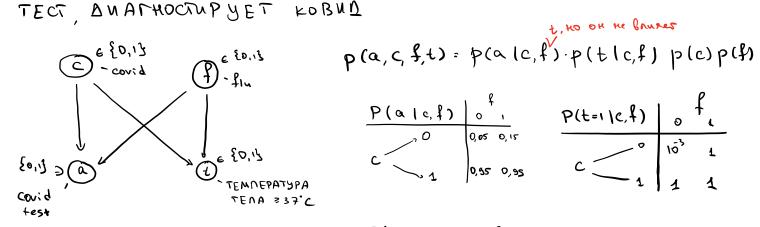
TO MOCRE OF 30PA BUBOPKY HUYERO HE USMEHYPA







TECT DUALHOCTUPYET KOBUL



P(a1c,f) o , P(t=1)c,f)			ıf	
F (Q (e, 1)		P(t=11c,f)	0	<u>`</u> (
c	0,05 0,15	· · · ·	103	1
<u></u>	0,35 0,95	1	1	1

Kak Hanth
$$P(c=1|a=1)=\frac{P(c=1,a=1)}{P(a=1)}=\frac{\sum_{t,t} P(c=1,a=1)}{P(a=1)}=\frac{\sum_{t,t} P(c=1,t,t,c)}{\sum_{t,t} P(a=1,t,t,c)}=\frac{P(a=1|c=1) P(c=1)}{P(a=1)}$$

$$P(\alpha=1|c=1) = \sum_{f=0}^{1} P(\alpha=1,f|c=1) = \sum_{f=0}^{1} P(\alpha=1|c=1,f) \cdot P(f)$$