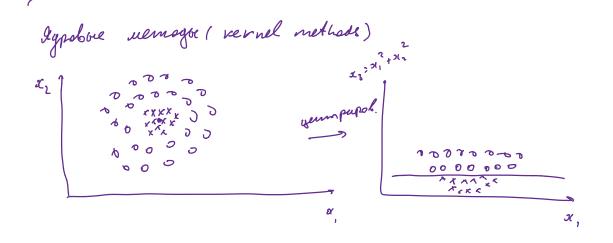
Unior: Ougy remue (0.4. D3 + 0.1. PP + 0.2. K + 0.3.7)

## Tenor:

- 1) agpstole nemagte
- 2) bepanne comore uemagos
- 3) veseme pujærsud
  ogno ure ccobace vernagor
  raemuruse soyreme
- 4) obyrenne cycer menen - nem par. nemogor - o occuponi nonere coregen - pennu pobamie - per. cuerrenos
- 5) payuse



$$Q(x) = \sum_{j=1}^{m} W_{j}(x)$$

que sopomero naremba nago unos Saguensia p-yeni

1) Photiconbeund upequal senue que um. perp.

$$Q(w) = \frac{1}{2} \sum_{i=1}^{\ell} \left( \sum_{j=1}^{m} w_{j} \varphi_{j}(x_{i}) - \varphi_{i} \right)^{2} + \frac{2}{2} nw n_{2}^{2} =$$

$$\frac{1}{2} \| P w - y \|_{2}^{2} + \frac{2}{2} \| w \|_{2}^{2} + \min$$

$$P = \left( \frac{\varphi_{1}(x_{1}) | \psi_{2}(x_{1}) - \varphi_{m}(x_{1})}{\varphi_{1}(x_{2}) | \psi_{1}(x_{2}) - \varphi_{m}(x_{2})} \right)$$

$$\frac{\varphi_{1}(x_{2}) | \psi_{2}(x_{2}) - \varphi_{m}(x_{2})}{\varphi_{1}(x_{2}) - \varphi_{m}(x_{2})}$$

$$w : -\frac{1}{\pi} \varphi^{T} (Pw \cdot y) : \varphi^{T} \left( -\frac{1}{\pi} (Pw \cdot y) \right)$$

$$Q(\alpha): \frac{1}{2} \| P P^{T}_{\alpha} - y \| + \frac{2}{2} \alpha^{T} P P^{T}_{\alpha} \rightarrow min$$

$$P P^{T}_{-} \text{ use impured } \text{ Famos } \text{ (nampure no naproise masserson uparyb.}$$

$$(P P^{T}_{i}): = \langle Y(x_{i}), Y(x_{j}) \rangle$$

$$\varphi(x_{i}) = (Y_{i}(x_{i}), \dots, Y_{m}(x_{i}))$$

mo on jalem menores om mand prom upougle. Szemmet

3) Apunes godabil und upignansb x,,... x a -unsquore upignans

- 1) goodhealus notore upujuam ((x)
- 2) no mone, uno ((4(31), 4(t)) nemo bupamone mos repej (x, t)
- 3) no utygened ulmogens, nomo point zabuens mo utreo om (x, E)
- $4) \left( (x, \xi) \rightarrow (\mathcal{U}(x), \mathcal{U}(\xi)) \right)$
- S) PROFIT

vernel trice

4 Agpa

Agro - pynnyn  $K(x,t) = \langle Y(x), Y(t) \rangle$ ,

rge  $\psi: X \to H$ 

H-mpannongee np-60 4-mpannongee omosponeeme

Umo no geraen: zanensen B opynnique nare anno un < x, 2> na K(x, 2)

[13 rem nposeema: menonamno, omnygo bjamo (1,2,2)
Ware empoumb supa?

K(x, i) - nous nonsens, uno emo egpo?

## Teoperia Mepcepa

$$\mathcal{K}(x,t)$$
 - signo  $(=)$   $\begin{cases} 1 \end{pmatrix}$   $\mathcal{K}(x,t)$  =  $\mathcal{U}(t,x)$   $\\ 2 \end{pmatrix}$   $\mathcal{K}(x,t)$  =  $\mathcal{U}(t,x)$  outpages.  $\mathcal{K}(t,x)$   $\mathcal{K}(t,x$ 

K(x,t) = x 2 - ne sgpo

Teoperus 1.

 $V, (x, t), V_2 (x, t) - agpa; x, t \in X$  f(x) - bewsemb. p-yus us X  $e: X \rightarrow \mathbb{R}^{2}$ 

K3 - supo, jagonne na R

Toyor meg. q-yun shessomes supremu:

- 1) K(x, t) = K, (x, t) + K2(x, t)
- 2) K(x, 2) = L K, (x,2) , L > 0, L & R
- 3) K(x, 2): K,(x,t) K2(x,2)
- 4) K(x, t): f(x) f(t)
- s) K(x, t) = Ks(4(x), 4(t))

Teopenio 2.  $\mathbb{X}_{1}(x,\xi), \mathbb{X}_{2}(x,\xi), \dots$  nowing, ages  $\mathbb{X}_{2}(x,\xi): \lim_{n\to\infty} \mathbb{X}_{n}(x,\xi) = \mathbb{X}_{2}(x,\xi)$ 

Torgo U - appo

(5) The unanumentative signal p(2) - unordered a upon pury, use p(2) - unordered a upon pury, use p(2) - exposite p(2) - exposite

ecus paemi comb (x, z), mo nongreen ber Monoinor une neuro:

m.e. Un empour resuent leen une neue i go m

wonom using  $(x_1, \dots, x_d)$  unenem x  $x_i, x_i, \dots, x_i$ 

Jære u nymen k?

Rojo, upre nousue amenenni: : Jan R'mil

Com R : James

R Sanswel , no nonoun borcome comence