Correzione simulazione esame AE

$$2 = 0.711402$$

$$2 = 0.51 + 42$$

$$V = Cos(u) = 0.19$$
 0.75

$$P \times u = 3 \times 1$$

$$M = [0, 9, 0.7, 0.5]$$

$$= \frac{(08)^{10}0.9.07 \quad 0.9.03}{0.63} + \psi = \frac{(08)^{10}0.9.07 \quad 0.9.03}{0.65 \quad 0.35} + \psi = \frac{(0.8)^{10}0.95}{0.65 \quad 0.35} = \frac{(0.8)^{10}0.95}{0.45} = \frac{(0.8)^{10}0.95}{0.25} = \frac{(0.25)^{10}0.95}{0.25} = \frac{(0.25)^{10}$$

$$Gon(2_3, 1) = 1_3 = 0.5$$

C. Magnani 9@ campus wiihibit

E52

A idempotente

Gli autoralori di A 1; E 50,7

 $\forall i=1,\ldots, M$

500:

1; - autoralore di A

J. - autorettore et A

AJ; = 1; 5;

AA = A

A

 $A U_i = \lambda_i A_U_i$ $\lambda_i V_i$

 $\lambda_{i} \quad U_{i} = \lambda_{i}^{2} \quad U_{i}$ $(\lambda_{i} - \lambda_{i}^{2}) \quad U_{i} = 0$

$$\frac{1}{\lambda_i} = 0$$

$$\lambda_i \left(1 - \lambda_i \right) = 0$$

$$\lambda_i = 0$$

$$\lambda_i = 0$$

$$S = diag(J_1, ..., PP)$$

SOL :

dut
$$\begin{bmatrix} \lambda_{11} - \lambda_{11} \\ \lambda_{12} - \lambda_{11} \end{bmatrix}$$

$$= \begin{bmatrix} \lambda_{11} - \lambda_{11} \\ \lambda_{12} \end{bmatrix} \begin{bmatrix} \lambda_{11} - \lambda_{11} \\ \lambda_{11} \end{bmatrix} \begin{bmatrix} \lambda_{11} \\ \lambda_{12} \end{bmatrix}$$

Se
$$i = j$$
 (Sij-Sij) (Vij) = 0
$$SU_{j} = \lambda_{j}V_{j} + \lambda_{j}V_{j} = 0$$

$$V = \begin{bmatrix} y_1 & \dots & y_p \end{bmatrix} = T$$

$$y = X \quad V = X \quad T = X$$

mon ha seuso effettuare PCA au S e per lo steno regiona. Meuto mon ha seuso nem meno su R

2)
$$A = \begin{bmatrix} \lambda_1 \\ \lambda_2 \\ \lambda_3 \end{bmatrix}$$
 d'! Jathore