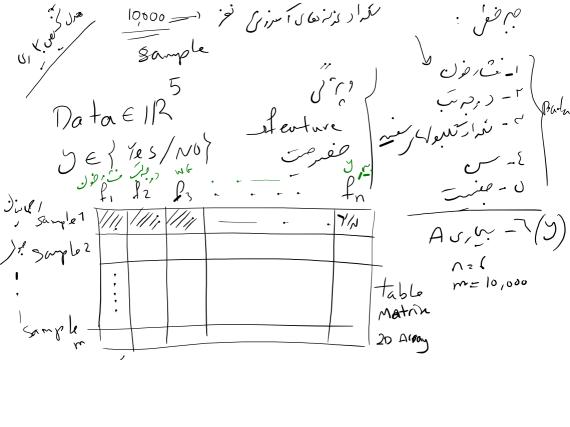
median

$$\frac{1}{1}, 9, 4, 11, 21, 3, 9, \\
\text{mean} \Rightarrow \frac{1}{1} + 9 + 4 + 4 + 11 + 21 + 3 + 9 \\
\frac{1}{1} \Rightarrow \frac{$$

and median



feature =) Vector

Signal

Sinew equation

$$f_{1} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$
Sinew equation

$$f_{1} = \begin{bmatrix} 1 \\ 1 \end{bmatrix}$$

$$f_{2} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{3} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{4} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{5} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{6} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{1} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{2} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{3} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{4} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{1} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{2} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{3} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{4} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{1} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{2} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{3} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

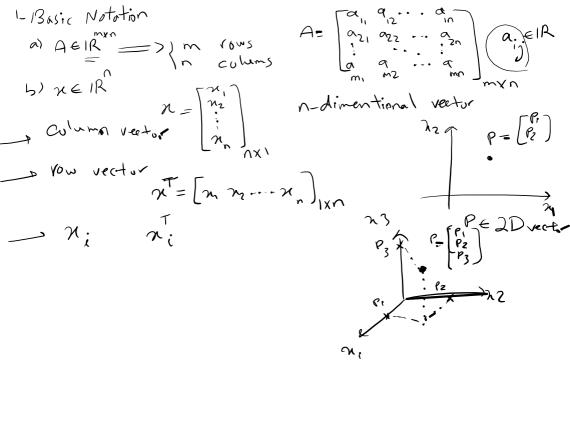
$$f_{4} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{5} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{5} = \begin{bmatrix} 10,000 \\ 1 \end{bmatrix}$$

$$f_{5} = \begin{bmatrix} 10,000 \\$$

10,000



$$A = \begin{bmatrix} a_1 & a_2 & a_1 \\ a_2 & a_3 & a_4 \end{bmatrix}$$

$$A = \begin{bmatrix} a_1 & a_2 & a_3 & a_4 \\ a_1 & a_2 & a_3 & a_4 \end{bmatrix}$$

$$A = \begin{bmatrix} a_1 & a_2 & a_3 & a_4 \\ a_1 & a_2 & a_3 & a_4 \end{bmatrix}$$

$$A = \begin{bmatrix} a_1 & a_2 & a_3 & a_4 \\ a_2 & a_3 & a_4 & a_4 \\ a_3 & a_4 & a_4 & a_5 \end{bmatrix}$$

$$A = \begin{bmatrix} a_1 & a_2 & a_3 & a_4 & a_4 \\ a_4 & a_4 & a_4 & a_5 \\ a_5 & a_5 & a_6 & a_6 \end{bmatrix}$$

$$A = \begin{bmatrix} a_1 & a_2 & a_3 & a_4 & a_4 \\ a_4 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_6 & a_6 \end{bmatrix}$$

$$A = \begin{bmatrix} a_1 & a_2 & a_3 & a_4 & a_5 \\ a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 \end{bmatrix}$$

$$A = \begin{bmatrix} a_1 & a_2 & a_3 & a_4 & a_5 \\ a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 \end{bmatrix}$$

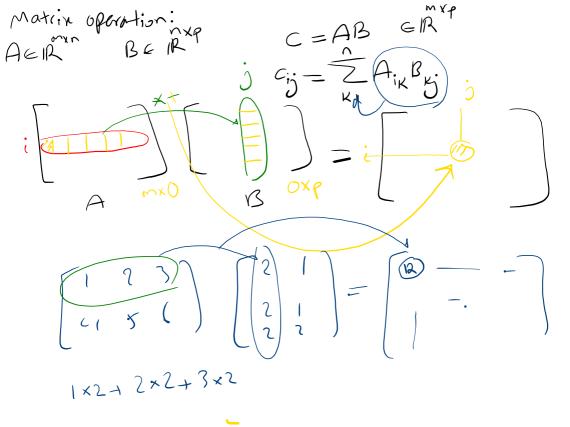
$$A = \begin{bmatrix} a_1 & a_2 & a_3 & a_4 & a_5 \\ a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 \end{bmatrix}$$

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$$A = \begin{bmatrix} a_1 & a_2 & a_3 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 \end{bmatrix}$$

$$A = \begin{bmatrix} a_1 & a_2 & a_3 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5 & a_5 \\ a_5 & a_5 & a_5$$



→ AB ≠ BA vector_vector Products

x,y \(\mathbb{R}^{\gamma} \) \(\mathbb{R}^{=} \) $\mathcal{N} = \begin{bmatrix} y^{2} \\ \vdots \\ y^{2} \end{bmatrix} \qquad \mathcal{D} = \begin{bmatrix} y^{2} \\ \vdots \\ y^{2} \end{bmatrix}$ inner product (dot product) zy ER $\begin{bmatrix} x_1 \cdot \dots x_n \end{bmatrix} \begin{bmatrix} \vdots \\ \vdots \\ \vdots \end{bmatrix} = x_1 x_1^{-1}$ スタ=〈ス,ラ〉=〈ス,ヴ〉=ス,ヴ=これ,ヴ;

ブリョガルをル

$$x = \frac{7}{2}x \cdot y : = \frac{7}{2}y \cdot x : = \frac{7}{2}x$$

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$$x = \frac{7}{2}x \cdot x : = \frac{7}{2}x : = \frac{7}{2}x \cdot x : = \frac{7}{2}x : = \frac{7$$



$$\chi \stackrel{7}{1} = A \qquad A^{T} \qquad \frac{\begin{bmatrix} 3 & 3 & 1 & 1 \\ 2 & 2 & 1 & 1 \\ A = \chi \stackrel{7}{1} & 1 \end{bmatrix}}{A^{T} = 1\chi^{T}}$$

 $\chi \gamma = \chi \gamma = \begin{bmatrix} \lambda \chi \\ \lambda \chi \\ \lambda \chi \end{bmatrix}$ matrin- vector Brook