

## **Machine Learning**

Lec-1

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## **Overview & Purpose**

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- 1. how polynomial as Vector(abstract)
- 2. what is vector space
- 3. what is linear mapping and what is used of it in computations
- 4. what is matrix
- 5. multiplication
- 6. addition
- 7. subtractions
- 8. division possible hai
- 9. other operations
- 10. what is transposing
- 11. inverse
- 12. Real-life examples
- 13. \*how 3d images are projected in 2d screen

Importance of matrices in Image processing algorithms of a group of equations can be represented in matrix form

1.