Linear Algebra

focuses on the study of vectors, vector spaces (also called linear space), linear transformations, and system of linear equations

Application

1. Data Representation And Manipulation

2. Machine Learning And Artificial Intelligence

   ① Model Train → Rely on Linear Algebra → Matrix Multiplication

3. Dimensional Reduction → PCA → Linear Algebra → EignValue & Eigen venv

   Reduce from higher dimension
   ↓
   lower dimension

4. Neural N/W : Forward Propagation And Backward Propagation

5. Computer Graphics

6. Optimization