Siddhardhan

Mathematics for Machine Learning
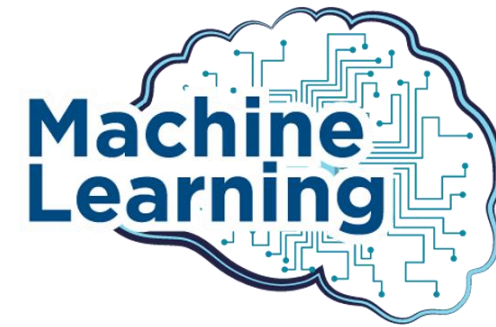
Importance of Math in ML

Data   **Model**   **Training**

5.1. Linear Algebra

5.2. Statistics

5.3. Probability

5.4. Calculus

Vector
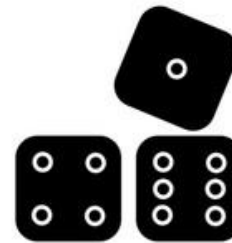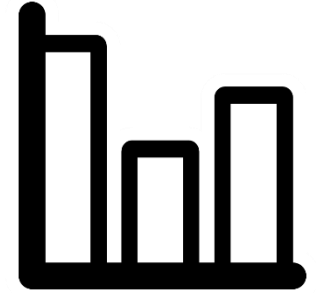$$\begin{bmatrix} 2 & -8 & 7 \end{bmatrix}$$
row

or
column
$$\begin{bmatrix} -6 \\ -4 \\ 27 \end{bmatrix}$$

Matrix
$$\begin{bmatrix} 6 & 4 & 24 \\ 1 & -9 & 8 \end{bmatrix}$$
row(s) × column(s)

Probability

$$\int \frac{dy}{dx}$$