MATHS FOR ML

→ calculus → Differentiation - partial derivative → Gradient descent
     → Integration - meaning → PDF

→ Linear Algebra → vector
         Matrix → Inverse, eigen vector
         Equation of hyperplane → $y = mx + c$
         Determinent $y = \theta^T X$

probability ⟶ joint, margin, conditional

PDF, PMF, Random variable

Distributions → Gaussian, bernoulli, poisoion, Bionomial

Z score, kL divergence, Maximum likelihood estimation, Central limit theorem

Statistics → Discriptive stat, mean, median, mod, variance, std

Inferential stat → hypothesis, P value

correlation, causation