Module	Topic
Diffrentiation	What is Diffrentiation
	Diffrentiation of a Constant
	Power Rule
	Sum Rule
	Product Rule
	Quotient Rule
	Chain Rule
	Partial Diffrentiation
	Higher Order Derivatives
	Matrix Diffrentiation
Optimization Theory	Function
	Multivariate Funtions
	Parameters of a Function
	Parametric Vs Non Parameteric Models
	Maxima & Minima
	Loss Functions
	How to select a good Loss Function
	Calculating Parameters of a Loss Function
	Convex & Concave Loss Functions
	Gradient Descent
	Gradient Descent with Multiple Parameters
	Hessians
	Problems faced in Optimization

| | Hessians |
| | Constrained Optimization Problem |