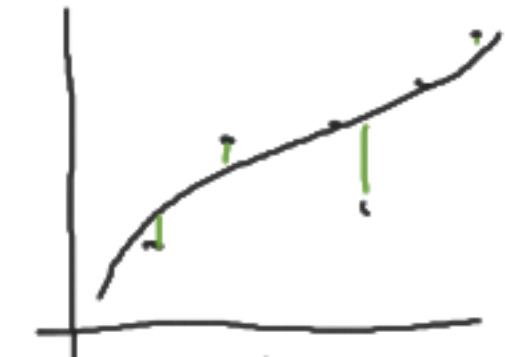
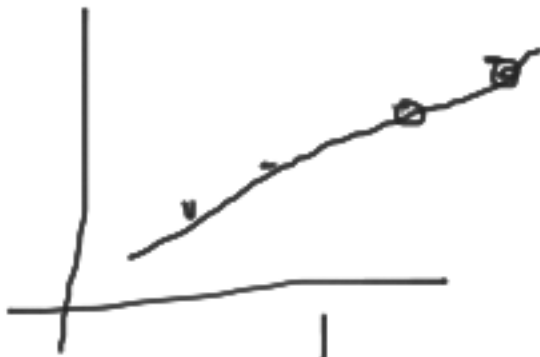


Concept 2: Depict, interpret, and transform numerical methods to and from various forms such as graphical, pseudo code, and mathematical equation representations.



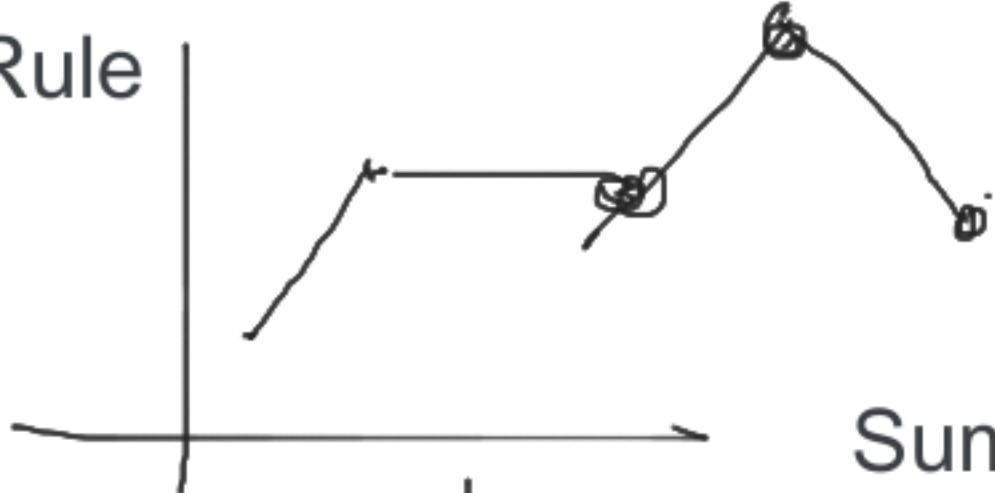
Regression



Interpolation



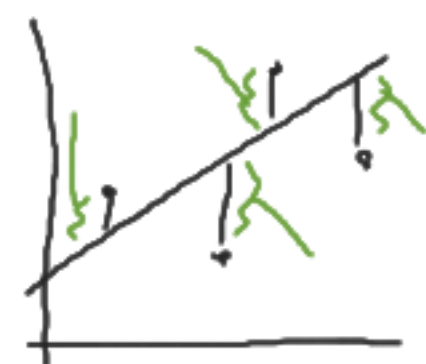
Gauss Quadrature Rule



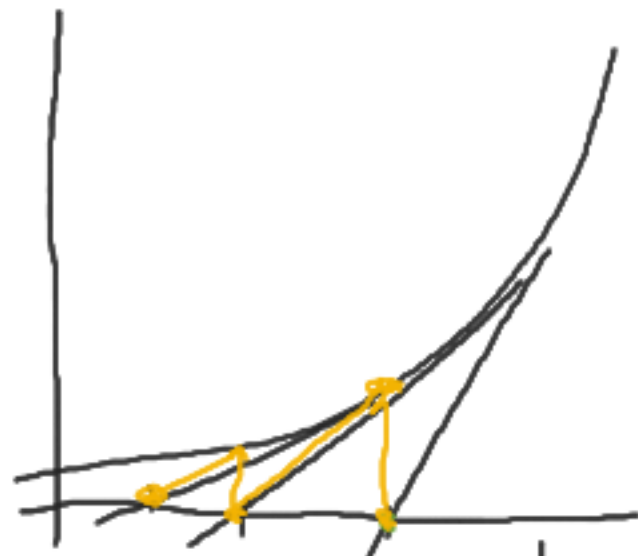
Spline Interpolation

Sum of Taylor series

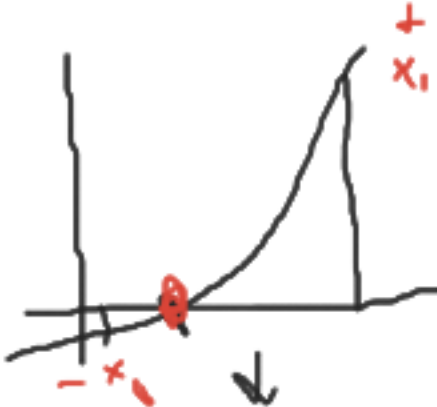
$$\sum (x_p - x_a)^2$$



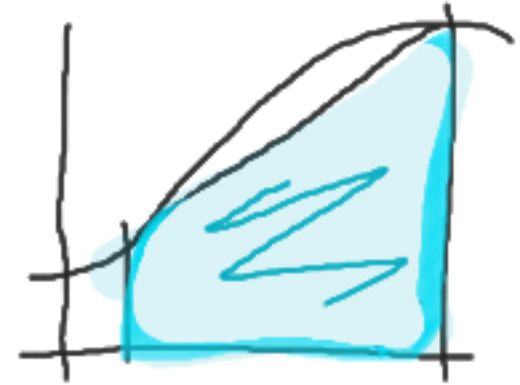
Sum of Square of Residuals



Newton Raphson Method

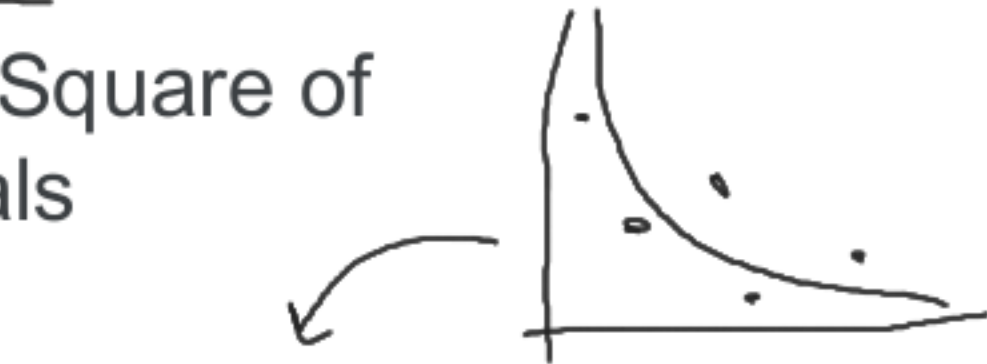


Bisection method



Trapezoidal Rule

LU decomposition



Exponential Regression

Eulers Method

