







## Looking ahead

Optimization

- We will look at:
  - A step-by-step algorithm that walks towards the minimum
  - Newton's method applied to the derivative
  - Golden-section search
  - Successive parabolic interpolation
  - The Brent-Dekker optimization method
- The relationships are as follows:
  - The first will parallel the bisection method
  - The second parallel's Newton's method
  - The third is an optimization for the first
  - The fourth uses interpolating quadratic polynomials
  - The last is a hybrid of previous algorithms

5









