

# Summary of Expectation Maximization

- Method for training Latent Variable Models
- Handles missing data
- Sequence of simple task instead of one hard
- Guaranties to converge
- Helps with complicated parameter constraints
- Numerous extensions:
  - Variational E-step: restrict the set of possible  $q$   
(week 3 and 5)
  - Sampling on M-step (week 4)