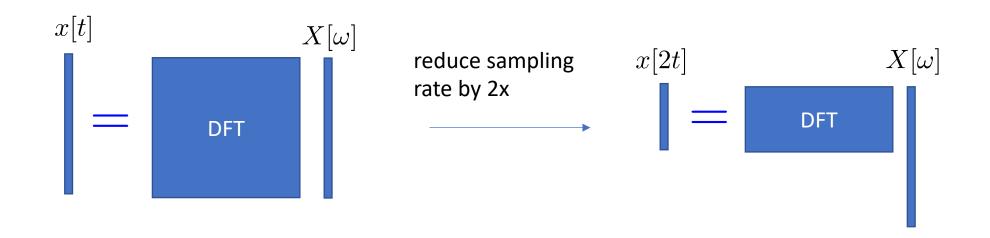
## CS/ECE/ME 532 Period 18

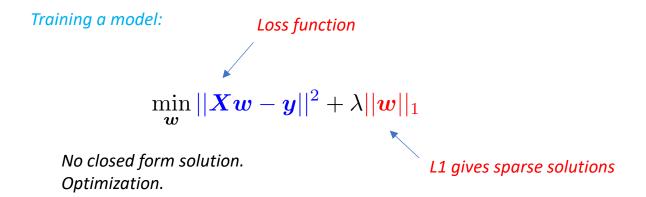
- Today Unit 5
  - Sparse solutions to least squares problems
- Today's activity
  - Understanding why L1 gives sparse solutions

## Applications:

- breast cancer prediction
- Sub-Nyquist sampling



## Proximal Gradient Descent for Least Squares with L1 regularization



## Alternating Gradient Descent with regularization

