

[Unit 2 Nonlinear Classification,](#)  
[Linear regression, Collaborative](#)  
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## 2. Linear Regression

- Write the training error as least squares criterion for linear regression
- Use stochastic gradient descent for fitting linear regression models
- Solve closed-form linear regression solution
- Identify regularization term and how it changes the solution, generalization

### Discussion

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**Topic:** Unit 2 Nonlinear Classification, Linear regression, Collaborative Filtering (2 weeks):Lecture 5.  
Linear Regression / 2. Linear Regression