BST 219 Core Principles of Data Science

Lecture 28: Machine Learning continued

December 12, 2024

Recipe of the Day!

Grinch Cookies









Harvard Square Chocolate Tour

Agenda

- Announcements
 - Lab this week!
 - Homework #4 due December16th by 11:59pm
 - Final projects due December 16th by 11:59pm

- Continue Machine Learning module
 - Random Forests
 - Regularization

Machine Learning Glossary

regularization

Any mechanism that reduces overfitting. Popular types of regularization include:

- L₁ regularization
- L₂ regularization
- · dropout regularization
- early stopping (this is not a formal regularization method, but can effectively limit overfitting)

Regularization can also be defined as the penalty on a model's complexity.