

# LEC 2: Cross Validation + Ridge Regression

---

Feb 12, 2020

# Agenda

Quiz

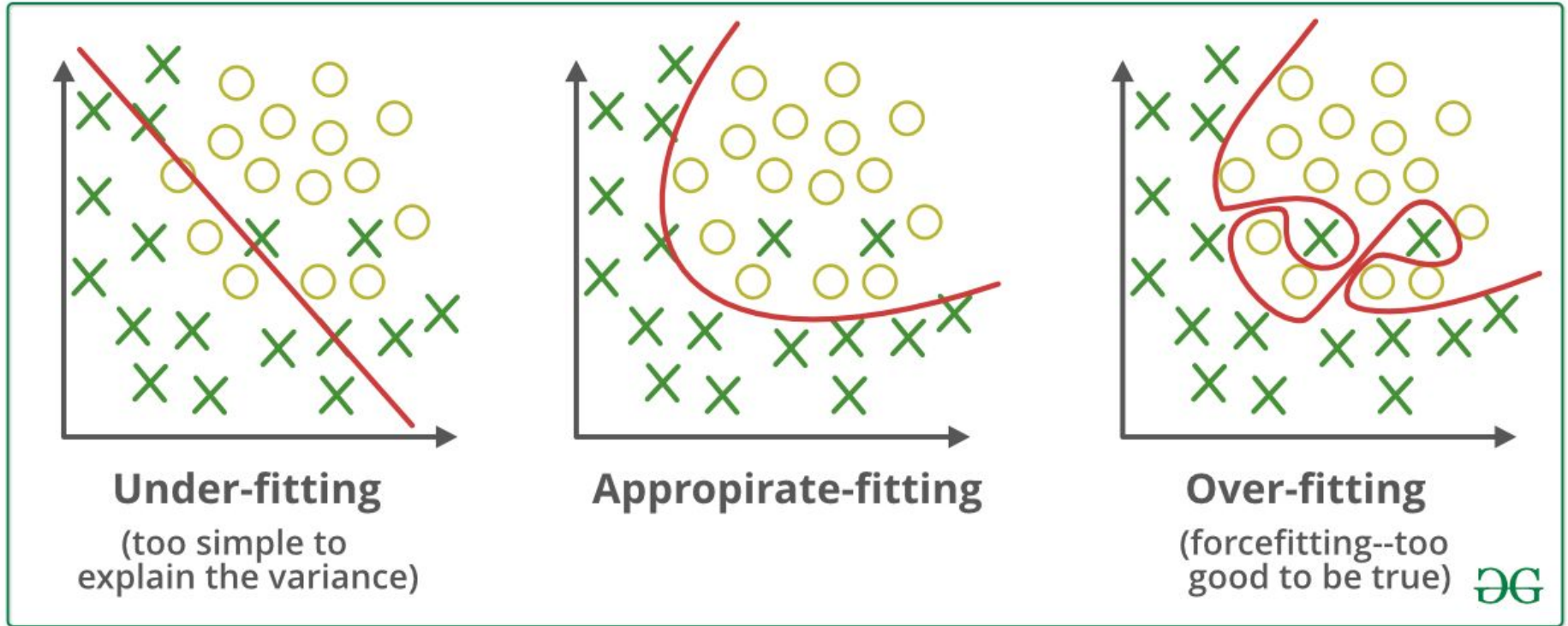
Review Linear Regression

Model Selection

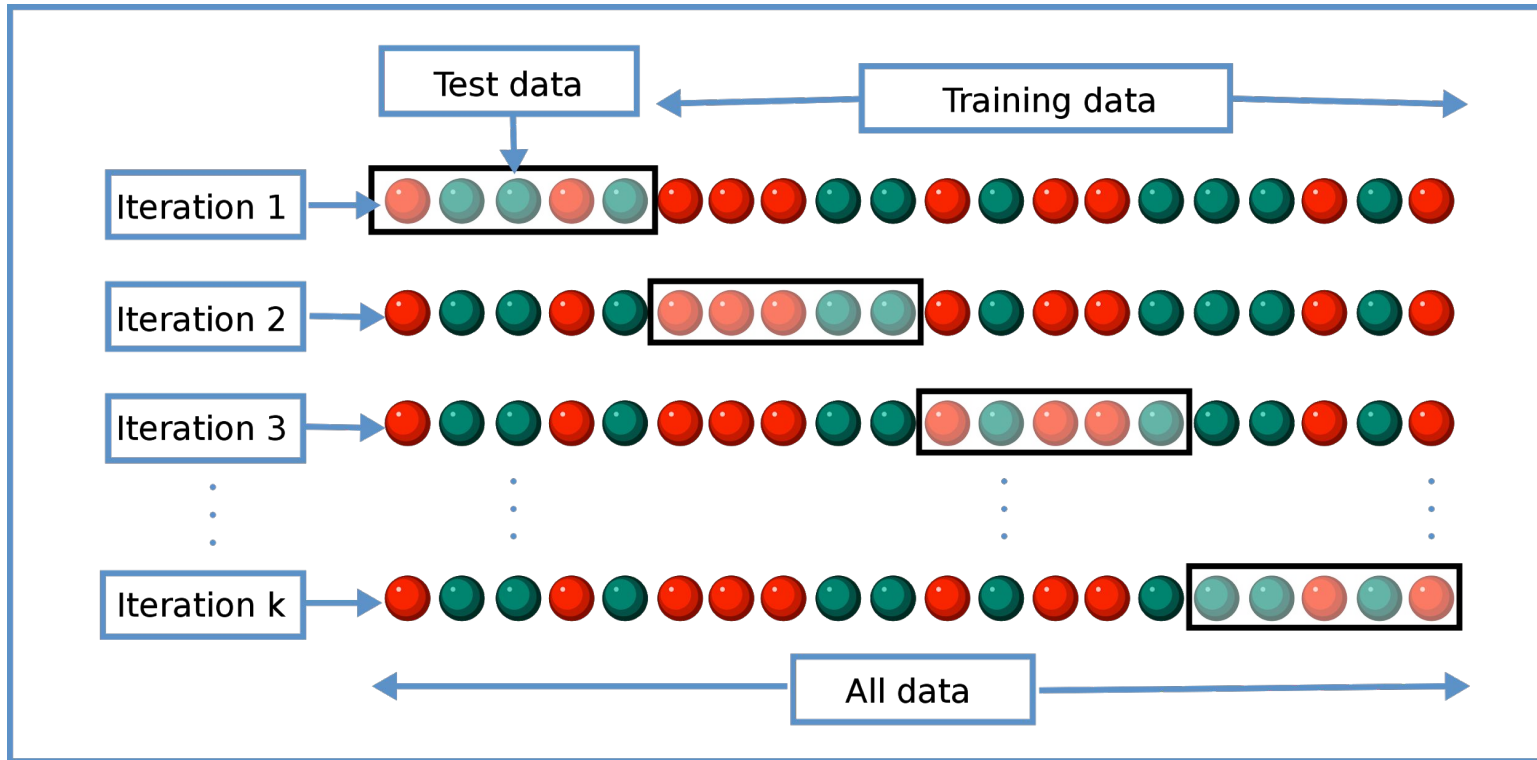
Ridge Regression / LASSO

Fun Python Simulations

# Overfitting



# K-fold Cross Validation



# Setting up your Python environment

1. Download Anaconda for Python 3.7 <https://www.anaconda.com/distribution/>
  - a. Anaconda is a package manager and environment (includes IPython, our favourite thing ever)
2. Open the Anaconda app and click Launch [IPython](#) (should open in browser)
3. Create a new file in the desired directory on your computer
4. If there's an error saying "method not found", you might need to download another package (come talk to us)
5. Learn the basics of running a code snippet
6. Learn the role of each package
7. Learn the general syntax for running an ML model

<https://forms.gle/BFbNESYi7LHLsNCq5>

**<https://tinyurl.com/sfwokmy>**