

Lesson 16 Reducing dimensionality

Goals for Today

- Introduce and discuss the topic of feature selection/engineering
- Walk through how to perform a principal component analysis (PCA)

Readings for Today

Required

- [GeeksForGeeks.org, Introduction to Dimensionality Reduction](#)
- [Maria Gulzar, Understanding Dimension Reduction and Principal Component Analysis in R for Data Science](#)
- [R-bloggers, Principal component analysis \(PCA\) in R](#)

Optional

- [Video - Machine Learning - Dimensionality Reduction - Feature Extraction & Selection](#)
- [Video - Principal components analysis in R](#)

Important Links and Files

- The file we worked on in class is available [here](#)