

BeVera

COURSE OUTLINE

Unsupervised Learning Model for Text Data in R

Course Overview

In the Unsupervised Learning Model for Text Data in R course you will use the latest tidy tool to quickly and easily get started with text. You will learn how to wrangle and visualize text, perform sentiment analysis, and run and interpret topic models. R has gained tremendous popularity for data processing, statistical and text analysis. Among R's strengths are its succinct programming language and its extensive repository of third-party libraries for performing all types of analyses

Intended Audience

This Unsupervised Learning Model for Text Data course is intended for data analysts, data scientists, and researchers familiar with the R and R Studio environments

Prerequisites

Participants should have a basic understanding to tidy data – specifically packages such as dplyr and ggplot2. R and RStudio can be downloaded at the URLs below:

www.r-project.org

www.rstudio.com

Learning Objective

- Add structure to text by tokenizing, cleaning, and treating text as categorical data
- Apply ggplot techniques and the tidy toolsets to explore text data
- Analyze the sentiment or emotional valence prevalent in textual data
- Understand how to use Latent Dirichlet Allocation to uncover underlying topics on related documents
- Explore document comparison techniques to uncover patterns in the corpus that can be used for behavioral and statistical modeling methods



For scheduling and/or assistance
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