Introduction to data analysis

ETC1010 - 5510

Introduction to Data Analysis

Week 10 - Tutorial

Contents

Workshop objectives

> ✔ Revise linear models
> ✔ Use a regression tree
> ✔ Plot with ggraph and igraph
> ✔ Revise tidytext and sentiment analysis

1 Instructions

1. Follow this link here and log in into Rstudio Cloud as explained in the workshop video in Moodle.
2. In each question you will replace '____' with your answer. Knit the document once you've answered all the questions. Remember to go to `knitr::opts_chunk` at the beginning of Rmd, change `eval = TRUE`, then knit the document.

2 Exercise 1: Introduction to Regression Trees

1. Once you have logged in into the cloud space, open `10a-exercise-lab-1.Rmd`

2. Open the video on Moodle called 'Week 10 - workshop 2 - Exercise 1' and work through the exercises with Karan

3 Exercise 2: Comparing a Linear Model with a Regression Tree

1. Open `10a-exercise-lab-2.Rmd`.

2. Open the video on Moodle called 'Week 10 - workshop 2 - Exercise 2' and work through the exercises with Kenji

4 Exercise 3: Using ggraph and igraph to plot networks

1. Open `gene_network_exercise.Rmd`.

2. Open the video on Moodle called 'Week 10 - workshop 2 - Exercise 3' and work through the exercises with Samithree

5 Exercise 4: Using tidytext to find the most positive or negative Jane Austen book

1. Open `8b-exercise-austen.Rmd`.

2. Open the video on Moodle called 'Week 10 - workshop 2 - Exercise 4' and work through the exercises with Samantha