

Introduction

Modeling and understanding logistical relationships is a critical skill in predictive analytics. In this task, you will explore the intricacies of predictive modeling, focusing specifically on the inputs to the model and gaining a deep understanding of the covariance between variables.

Task

- Identify two variables closely related to the investigation and analyze their covariance to gain insights into their mutual impact.
- Consider the risk of overtraining the model and make informed decisions when selecting the model that offers better predictions.
- Utilize visual aids, such as scatterplots, during your analysis to effectively represent your findings.
- Additionally, explore the business case for this investigation, providing a strategic perspective on the significance and impact of your modeling decisions.

Completion Criteria

You will know you are done when you have:

1. Successfully identified and analyzed two variables relevant to the investigation, gaining insights into their covariance and mutual impact.
2. Demonstrated expertise in predictive modeling by selecting a model that offers superior predictions, while carefully considering the risk of overtraining.
3. Effectively used scatterplots or other visual aids to create a clear graphical representation of your findings.
4. Conducted a thorough exploration of the business case for this investigation, offering a strategic perspective on the significance and impact of your modeling decisions.

Completion of these steps will signify the comprehensive success of this task set.