
IND2627 **AN INTRODUCTION TO STATISTICAL LEARNING**

CARGA HORÁRIA TOTAL: 45 HORAS

CRÉDITOS: 3 – CRITÉRIO: 12

PRÉ-REQUISITO(S): nenhum

EMENTA

Introduction to Statistical Learning. Simple and Multiple Linear Regression. Selection and Regularization of Linear Models. Classification Methods. Resampling Methods. Beyond Linearity. Tree-Based Methods. Unsupervised Learning Methods.

**BIBLIOGRAFIA
PRINCIPAL**

James, G., Witten, D., Hastie, T., & Tibshirani, R. (2021). An Introduction to Statistical Learning: with Applications in R (Springer Texts in Statistics). Second Edition. Springer.

Hastie, T., Tibshirani, R. & Friedman, J. (2016). The Elements of Statistical Learning: Data Mining, Inference, and Prediction, Second Edition (Springer Series in Statistics). Second Edition. Springer.

Berk, R. (2021) Statistical Learning from a Regression Perspective (Springer Texts in Statistics). First Edition. Springer.

**BIBLIOGRAFIA
COMPLEMENTAR**

James, G., Witten, D., Hastie, T. & Tibshirani, R. (2023). An Introduction to Statistical Learning: with Applications in Python (Springer Texts in Statistics). First Edition. Springer.

Casella, G., Berger, R. (2001). Statistical Inference. Second Edition. CENGAGE Learning.