

7.1: Generalized Additive Models (GAM)

Dr. Bean - Stat 5100

When using smoothing splines, why is it recommended to set a random number seed in `proc gampl`?

Can you apply a smoothing spline to a categorical variable? Explain why or why not.

GAMs and Regression Trees are both considered non-parametric models. Name one fundamental difference between regression trees and smoothing splines.

Why might piecewise cubic polynomials be preferred to piecewise linear models?