

Introduction

Wednesday, September 8, 2021 11:09 AM

- Classification

- Qualitative Response $\rightarrow Y$ Binned / Multinomial
 - \hookrightarrow Assigning observations $x_0 \rightarrow$ class c_k

*Why not linear regression?

\hookrightarrow Ordinal Response Encoding

$$Y = \begin{cases} 1 & \text{Red} \\ 2 & \text{Blue} \\ 3 & \text{Green} \end{cases} \quad \leftarrow$$

-Regression: $\Delta X \xrightarrow{\beta} \Delta Y$