Alex Fink, no other students

10/27/2021

Reading Questions Week9

Mike Nelson

Q1: In the customized ML methods you can tailor the data to you specifically as well as learning from data to target specific things in the future. The canned method the data is systematic and presented in a clear pattern, as well as not being extremely specific. With customized methods process can be confusing and need to be explained, where canned are usually easier to understand and do not need to be explained in depth.

Q2: The four key assumptions of the general linear modeling approach are 1) independent observations where a data point is independent from the rest, it stands alone 2) constant variance meaning that the residuals and the standard deviation for the independent values are constant 3) Fixed X which means there is no measurement error in the predictor variables we know the values and there is no noise, and 4) Normality which means that if we sample repeatedly under the same conditions, for each value of X the observations will ne normally distributed.

Q3: The normality assumption can be met in a general linear model even if the response variable is not normally distributed because the response variable is the dependent, it doesn’t really change. So regardless of if it is normally distributed or not the general linear model assumption will be met because the variable stands alone. We can keep sampling and because the variable doesn’t change the values will be normally distributed.