Regression without regrets

M. Baillie, G. Heinze & M. Huebner

3/17/23

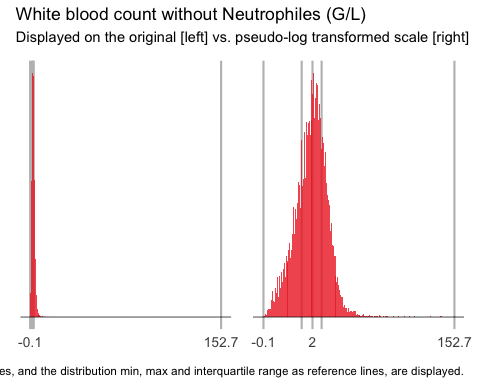
Table of contents

# Preface

The focus of this report is to provide guidance on conducting initial data analysis in a reproducible manner in the context of intended regression analyses.

# 1. Analysis ready data - second iteration

## 1.1 dervive WBC\_NEU



# 2. Set analysis flags for

Handled by ADSL

Flags within ADBL

$pivotal\_vars [1] “WBC” “AGE”

$vip\_vars [1] “WBC” “AGE” “BUN” “CREA” “NEU” “PLT”

$leuko\_related\_vars [1] “WBC” “NEU” “EOS” “BASO” “LYM” “MONO”

$leuko\_ratio\_vars [1] “NEUR” “EOSR” “BASOR” “LYMR” “MONOR”

$acute\_related\_vars [1] “FIB” “CRP” “ASAT” “ALAT” “GGT”

$remaining\_vars [1] “MCV” “HGB” “HCT” “MCH” “MCHC” “RDW” “MPV” “NT” “APTT” “NA.” “CA” “PHOS” “MG” “HS” “GBIL” [16] “TP” “ALB” “AMY” “PAMY” “LIP” “CHE” “AP” “LDH” “CK” “GLU” “TRIG” “CHOL” “PDW” “RBC”

[1] "c(\"PLT\", \"CREA\", \"BUN\", \"NEU\", \"AGE\")"

c(“PLT”, “CREA”, “BUN”, “NEU”, “AGE”)

# 3. Add metadata flags to indicate relationship between blood cell parameters. See section 2.1.3 of the IDA plan

## 3.1 Complete cases flag

## 3.2 key predictors orig

## 3.3 key predictors transformed