Adjusted R square:      Y=β0+ β1biiliacD+ β2chest\_depth+ β3chestD+ β4kneeD+ β5shoulderG + β6waistG+ β7hipG+ β8highG

+ β9forearmG+ β10kneeG+ β11calfMaxG+β12age+ β13height+ β14gender+ ϵ

Mallow’s Cp: Y=β0+ β1biiliacD+ β2chest\_depth+ β3chestD+ β44kneeD+ β5shoulderG + β6waistG+ β7hipG+ β8highG

+ β9forearmG+ β10kneeG+ β11calfMaxG+β12age+ β13height+ ϵ

AIC: Y=β0+ β1biiliacD+ β2chest\_depth+ β3chestD+ β44kneeD+ β5shoulderG + β6waistG+ β7hipG+ β8highG

+ β9forearmG+ β10kneeG+ β11calfMaxG+β12age+ β13height+ β14gender+ ϵ

BIC: Y=β0+ β1chest\_depth+ β2chestD+ β34kneeD+ β4shoulderG + β5waistG+ β6hipG+ β7highG

+ β8forearmG+ β9calfMaxG+β10age+ β11height+ ϵ

Y=β0+ β1biiliacD+ β2chest\_depth+ β3chestD+ β4kneeD+ β5shoulderG + β6waistG+ β7hipG+ β8highG+ β9forearmG+ β10kneeG+ β11calfMaxG

+β12age+ β13height+ β14gender+ ϵ

Y=β0+ β1chest\_depth+ β2chestD+ β3kneeD+ β4shoulderG + β5waistG+ β6hipG+ β7highG+ β8forearmG+ β9calfMaxG+β10age+ β11height+ ϵ

Adjusted R square:      Y=β0+ β1biiliacD+ β2chest\_depth+ β3chestD+ β4elbowD+ β5kneeD+ β6shoulderG + β7chestG+ β8waistG+ β9hipG

+ β10highG+ β11bicepG+ β12forearmG+ β13kneeG+ β14calfMaxG+β15age+ β16height+ β17gender+ ϵ

Mallow’s Cp: Y=β0+ β1biiliacD+ β2chest\_depth+ β3kneeD+ β4shoulderG + β5chestG+ β6waistG+ β7hipG

+ β8highG+ β9forearmG+ β10kneeG+ β11calfMaxG+β12age+ β13height+ β14gender+ ϵ

AIC: Y=β0+ β1biiliacD+ β2chest\_depth+ β3chestD+ β4elbowD+ β5kneeD+ β6shoulderG + β7chestG+ β8waistG+ β9hipG

+ β10highG+ β11forearmG+ β12kneeG+ β13calfMaxG+β14age+ β15height+ β16gender+ ϵ

BIC: Y=β0+ β1chest\_depth+ β2kneeD+ β3shoulderG + β4chestG+ β5waistG+ β6hipG

+ β7highG+ β8forearmG+ β9calfMaxG+β10age+ β11height+ β12gender+ ϵ

Y=β0+ β1chest\_depth+ β2kneeD+ β3shoulderG + β4chestG+ β5waistG+ β6hipG+ β7highG+ β8forearmG+ β9calfMaxG+β10age+ β11height

+ β12gender+ ϵ

Y=β0+ β1biiliacD+ β2chest\_depth+ β3chestD+ β4elbowD+ β5kneeD+ β6shoulderG + β7chestG+ β8waistG+ β9hipG+ β10highG+ β11bicepG

+ β12forearmG+ β13kneeG+ β14calfMaxG+β15age+ β16height+ β17gender+ ϵ

√Y=β0+ β1biiliacD+ β2chest\_depth+ β3chestD+ β4kneeD+ β5shoulderG + β6waistG+ β7hipG+ β8highG+ β9forearmG+ β10kneeG+ β11calfMaxG

+β12age+ β13height+ β14gender+ ϵ

Adjusted R square:      = -119.71719+ 0.10352biiliacD+ 0.29292chest\_depth+ 0.15807chestD+ 0.30081elbowD

+ 0.37968kneeD+ 0.06064shoulderG + 0.13064chestG+ 0.36890waistG+ 0.19393hipG+ 0.26683highG

+ 0.10029bicepG+ 0.44395forearmG+ 0.18157kneeG+ 0.37516calfMaxG -0.05503age

+ 0.29919height -1.30812gender

Mallow’s Cp: = -120.97079+ 0.11683biiliacD+ 0.27077chest\_depth+ 0.46652kneeD+ 0.08249shoulderG

+ 0.17051chestG+ 0.36468waistG+ 0.20020hipG+ 0.26586highG+ 0.58423forearmG+ 0.16870kneeG

+ 0.38276calfMaxG -0.05230age+ 0.30694height -1.13650gender

AIC: = -120.31791+ 0.10749biiliacD+ 0.28903chest\_depth+ 0.14127chestD+ 0.30193elbowD

+ 0.38277kneeD+ 0.06705shoulderG + 0.14278chestG+ 0.36920waistG+ 0.19176hipG+ 0.28346highG

+ 0.53986forearmG+ 0.17081kneeG+ 0.36985calfMaxG -0.05406age+ 0.29648height -1.24868gender

BIC: = -121.48542+ 0.27325chest\_depth+ 0.58501kneeD+ 0.07525shoulderG + 0.16231chestG

+ 0.38086waistG+ 0.21910hipG+ 0.27724highG+ 0.60466forearmG+ 0.42873calfMaxG -0.05093age

+ 0.32637height -1.40168gender

Backward Elimination: = -3.1474631+ 0.0059947biiliacD+ 0.0189408chest\_depth+ 0.0112695chestD+ 0.0275354kneeD

+ 0.0074590shoulderG+ 0.0221077waistG+ 0.0137789hipG+ 0.0172609highG+ 0.0468889forearmG

+ 0.0078011kneeG+ 0.0193713calfMaxG -0.0024629age+ 0.0183303height -0.0486402gender

= -119.71719+ 0.10352biiliacD+ 0.29292chest\_depth+ 0.15807chestD+ 0.30081elbowD+ 0.37968kneeD+ 0.06064shoulderG

+ 0.13064chestG+ 0.36890waistG+ 0.19393hipG+ 0.26683highG+ 0.10029bicepG+ 0.44395forearmG+ 0.18157kneeG

+ 0.37516calfMaxG -0.05503age+ 0.29919height -1.30812gender

= -121.48542+ 0.27325chest\_depth+ 0.58501kneeD+ 0.07525shoulderG + 0.16231chestG+ 0.38086waistG+ 0.21910hipG

+ 0.27724highG+ 0.60466forearmG+ 0.42873calfMaxG -0.05093age + 0.32637height -1.40168gender

= -3.1474631+ 0.0059947biiliacD+ 0.0189408chest\_depth+ 0.0112695chestD+ 0.0275354kneeD+ 0.0074590shoulderG

+ 0.0221077waistG+ 0.0137789hipG+ 0.0172609highG+ 0.0468889forearmG+ 0.0078011kneeG+ 0.0193713calfMaxG

-0.0024629age+ 0.0183303height -0.0486402gender