

Correlations between blind duplicates (phase 1 and 2)

Outliers 4 × IQR from median removed

Nightingale Health Plc.

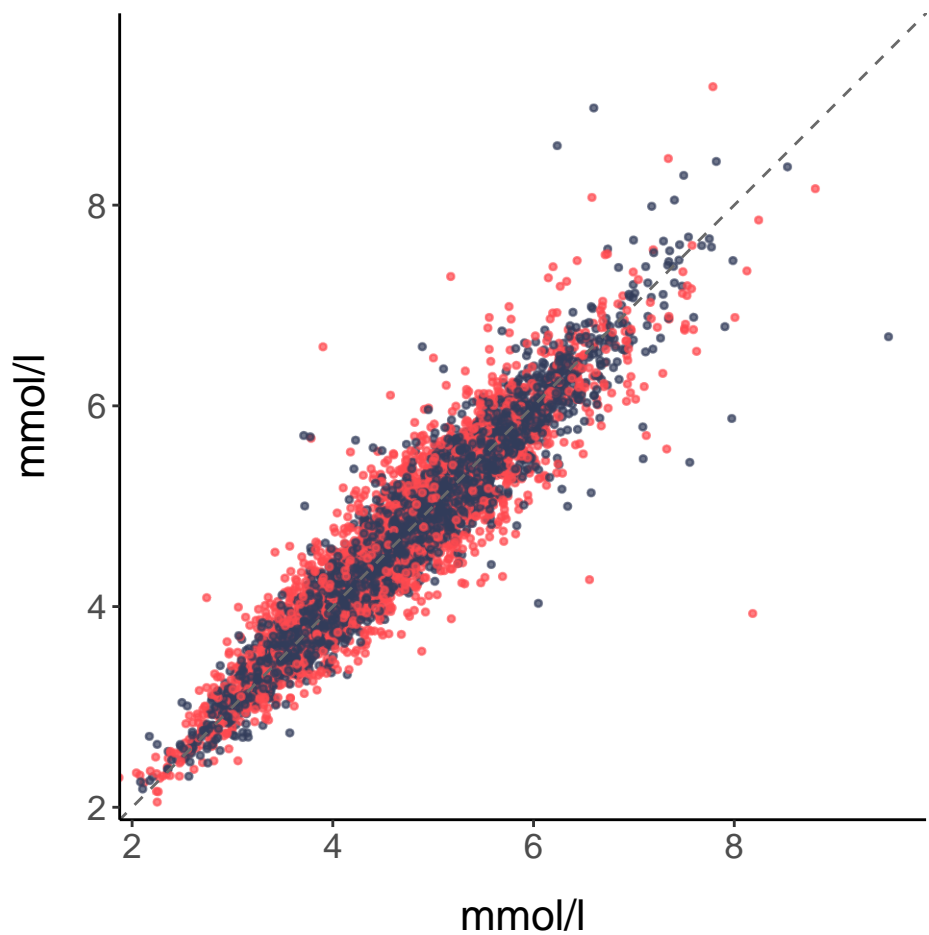
Cholesterol

Total_C

CV: 3.37%, R²: 0.89

Different spectrometers

● FALSE ● TRUE

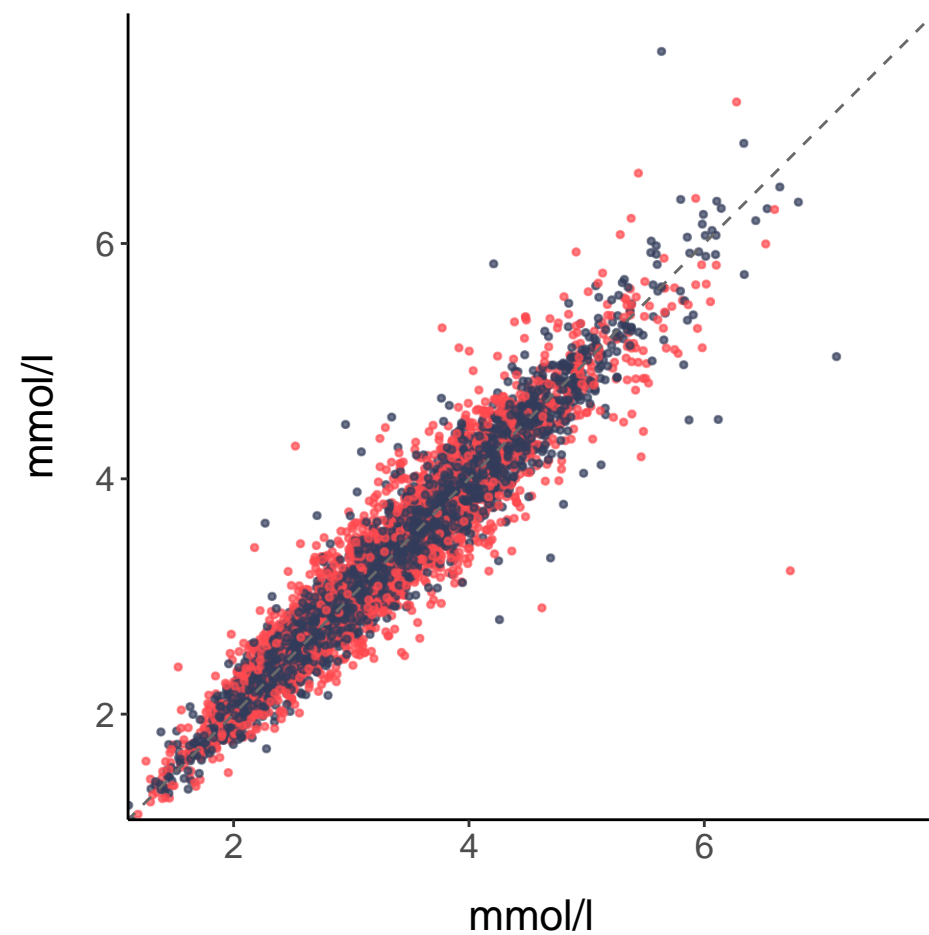


non_HDL_C

CV: 3.71%, R²: 0.92

Different spectrometers

● FALSE ● TRUE

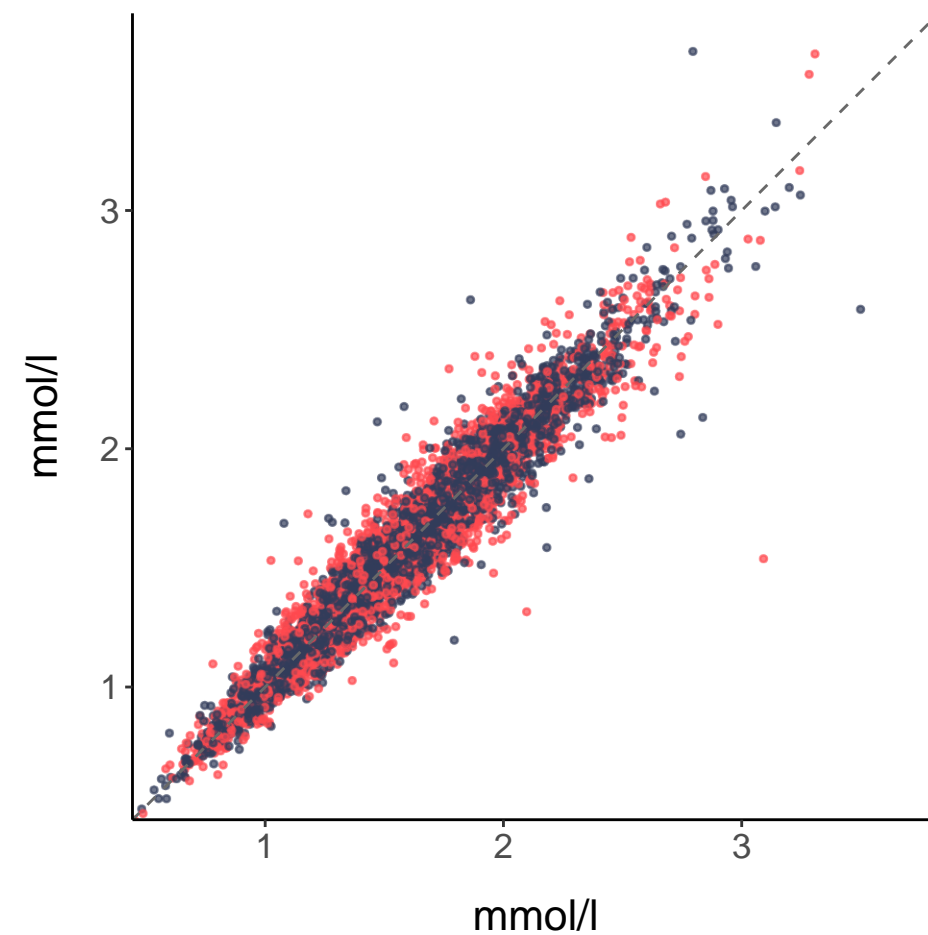


Remnant_C

CV: 3.47%, R²: 0.93

Different spectrometers

● FALSE ● TRUE

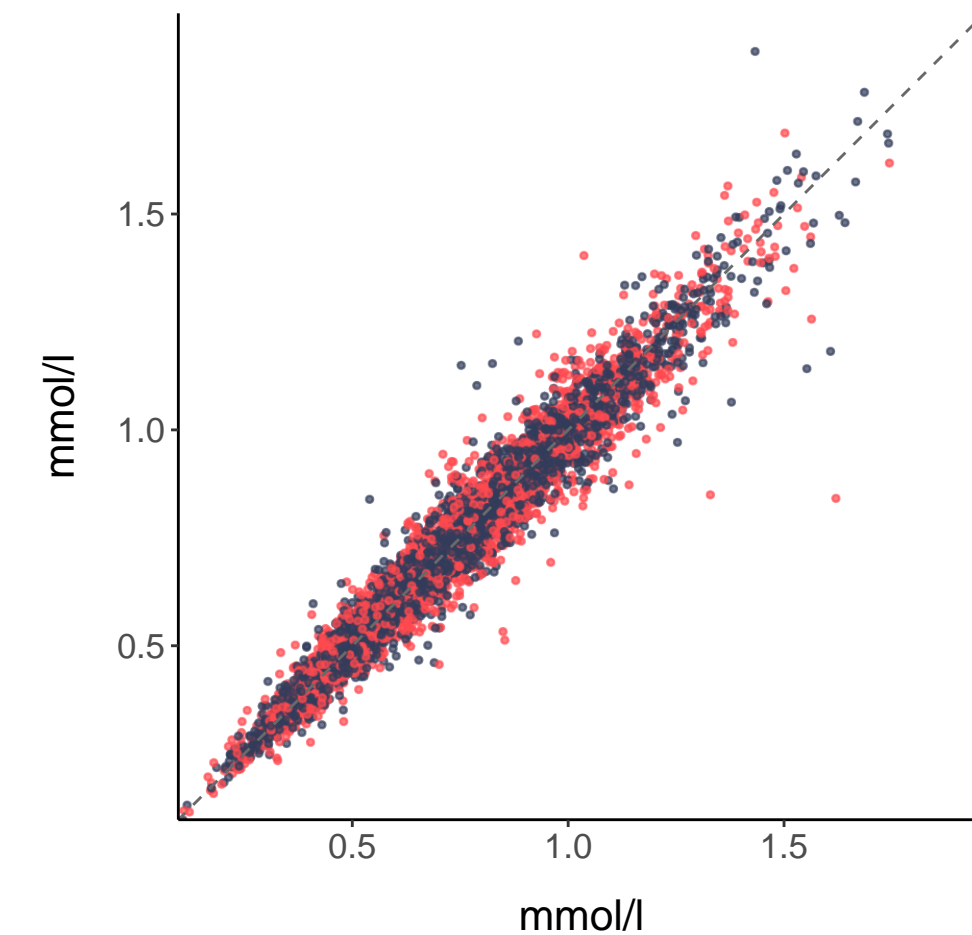


VLDL_C

CV: 3.95%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

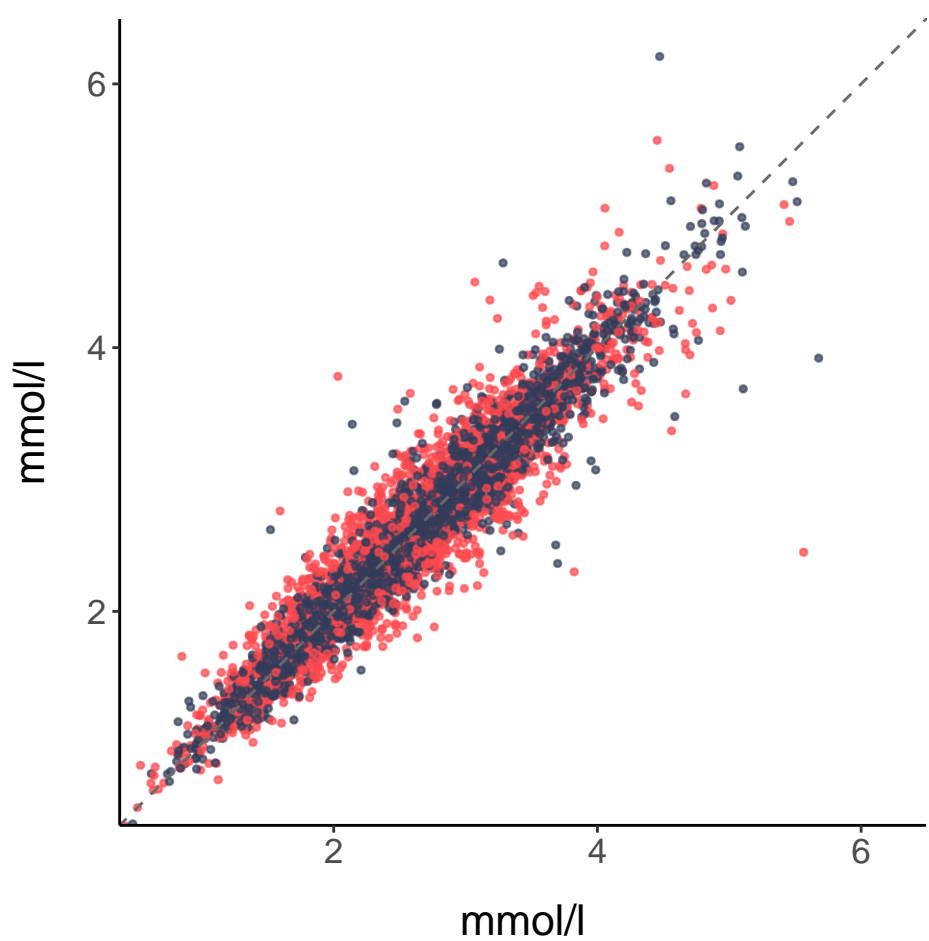


Clinical_LDL_C

CV: 4.56%, R²: 0.91

Different spectrometers

● FALSE ● TRUE

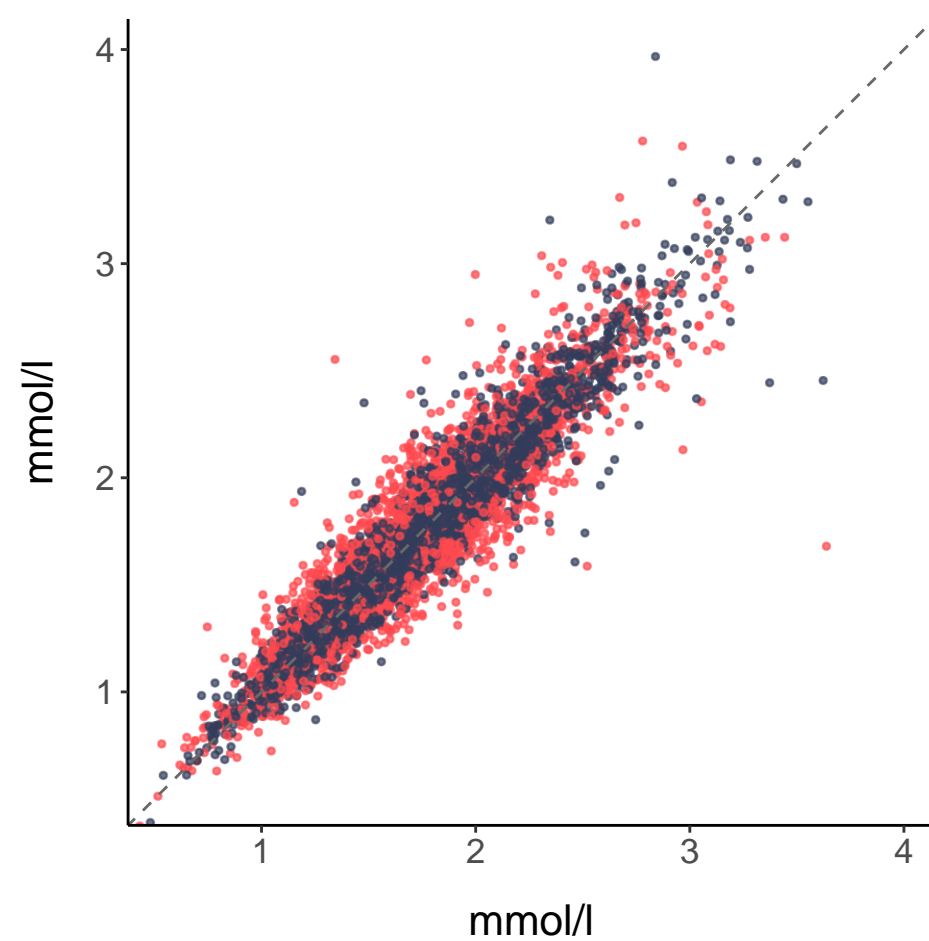


LDL_C

CV: 4.41%, R²: 0.88

Different spectrometers

● FALSE ● TRUE

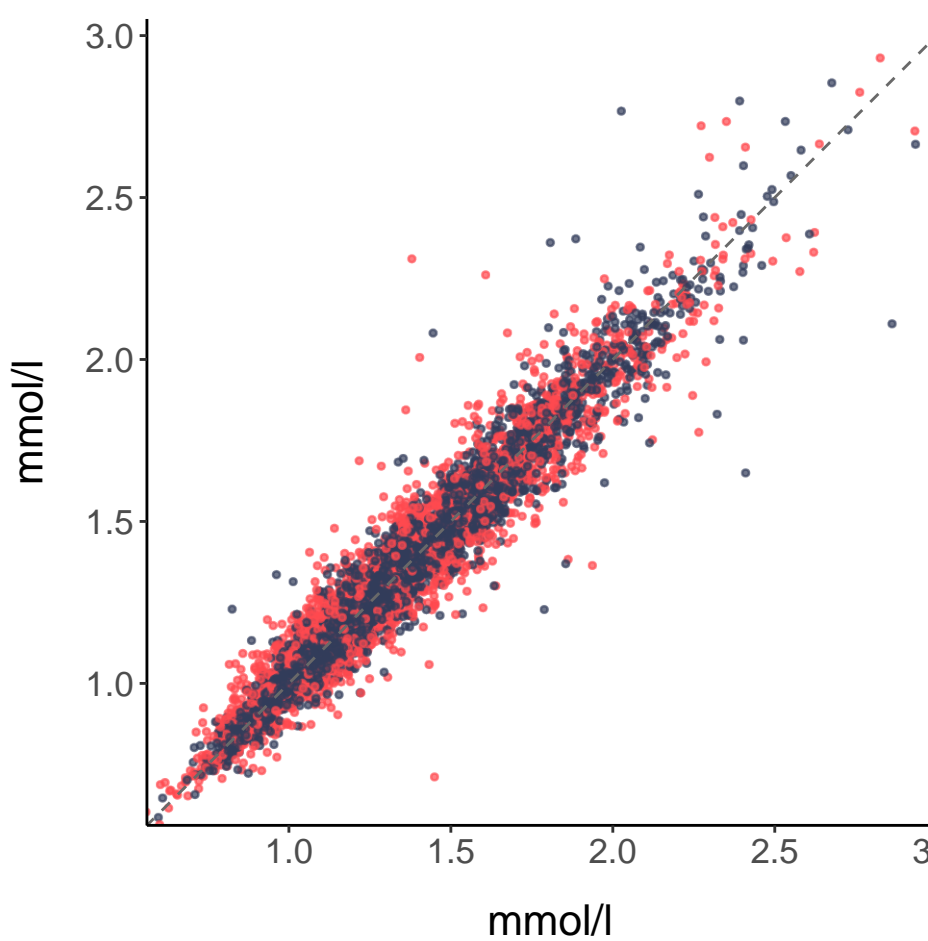


HDL_C

CV: 3.14%, R²: 0.93

Different spectrometers

● FALSE ● TRUE



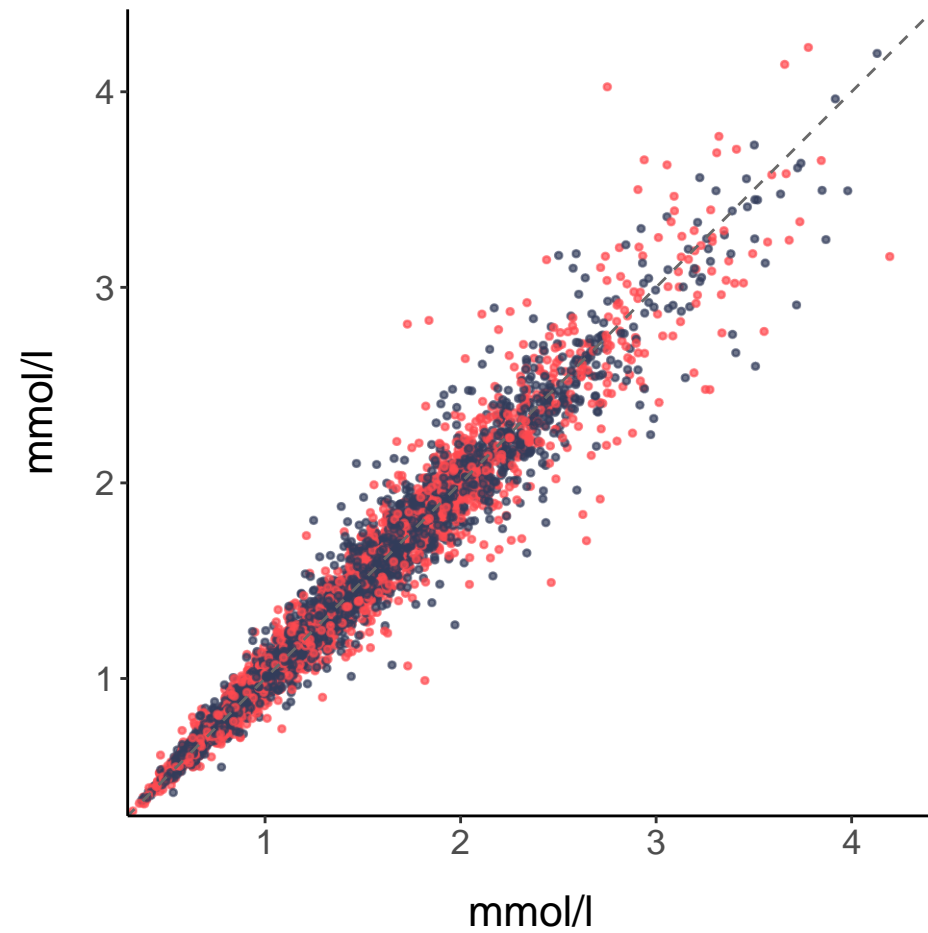
Triglycerides

Total_TG

CV: 3.43%, R^2 : 0.96

Different spectrometers

● FALSE ● TRUE

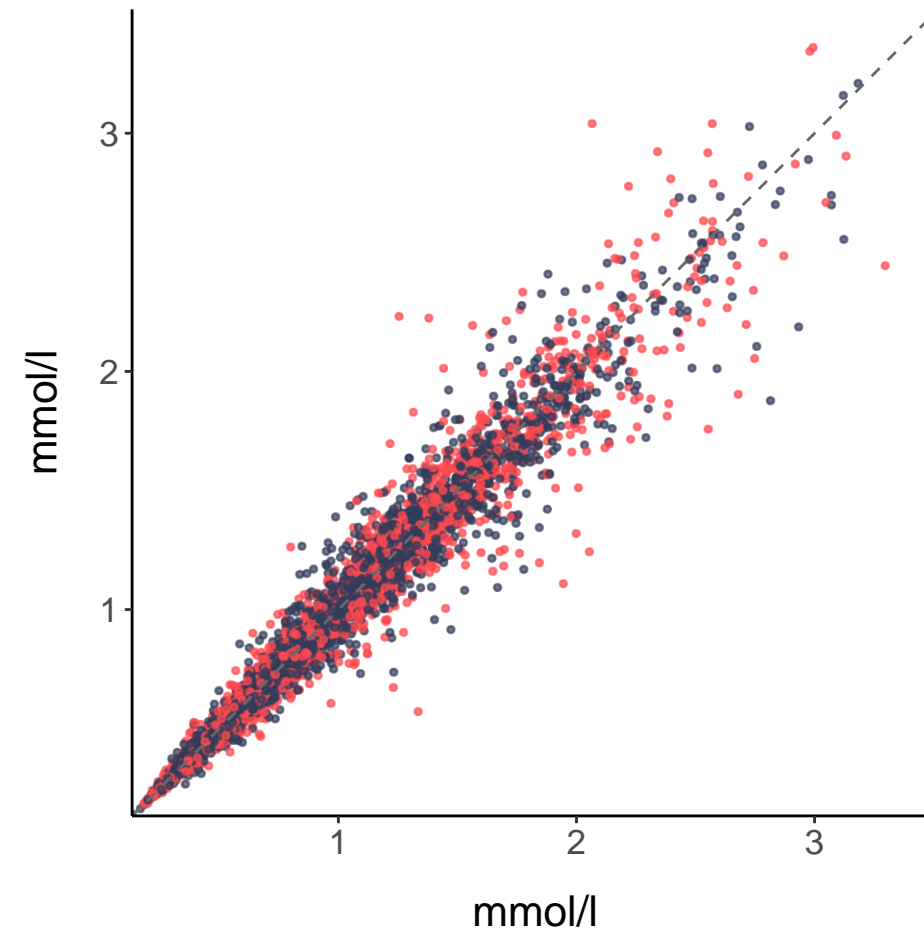


VLDL_TG

CV: 3.95%, R^2 : 0.96

Different spectrometers

● FALSE ● TRUE

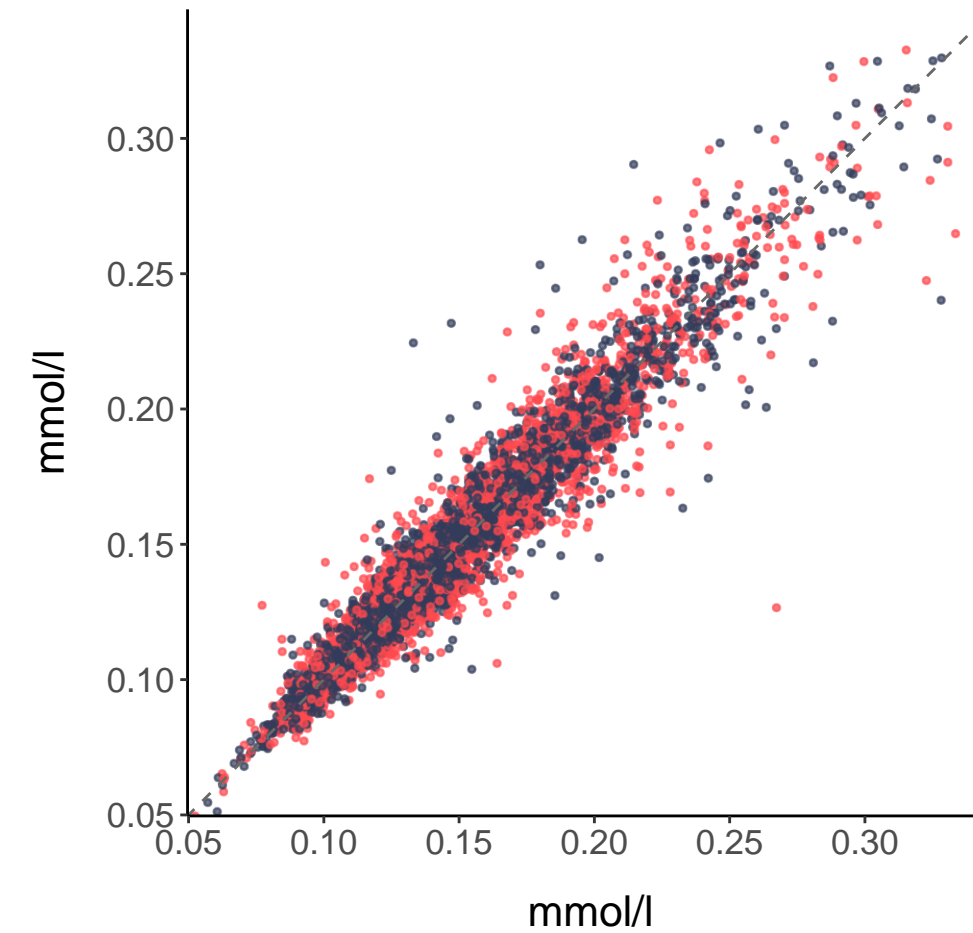


LDL_TG

CV: 3.44%, R^2 : 0.93

Different spectrometers

● FALSE ● TRUE

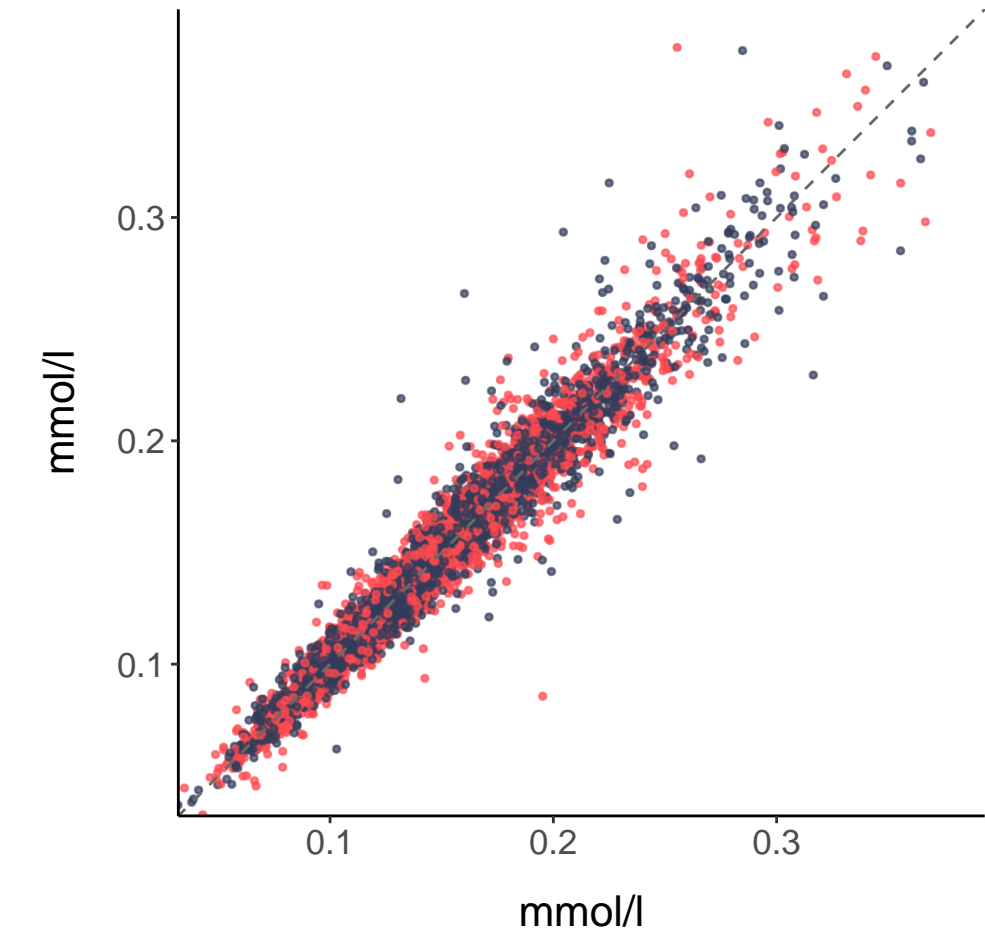


HDL_TG

CV: 3.48%, R^2 : 0.95

Different spectrometers

● FALSE ● TRUE



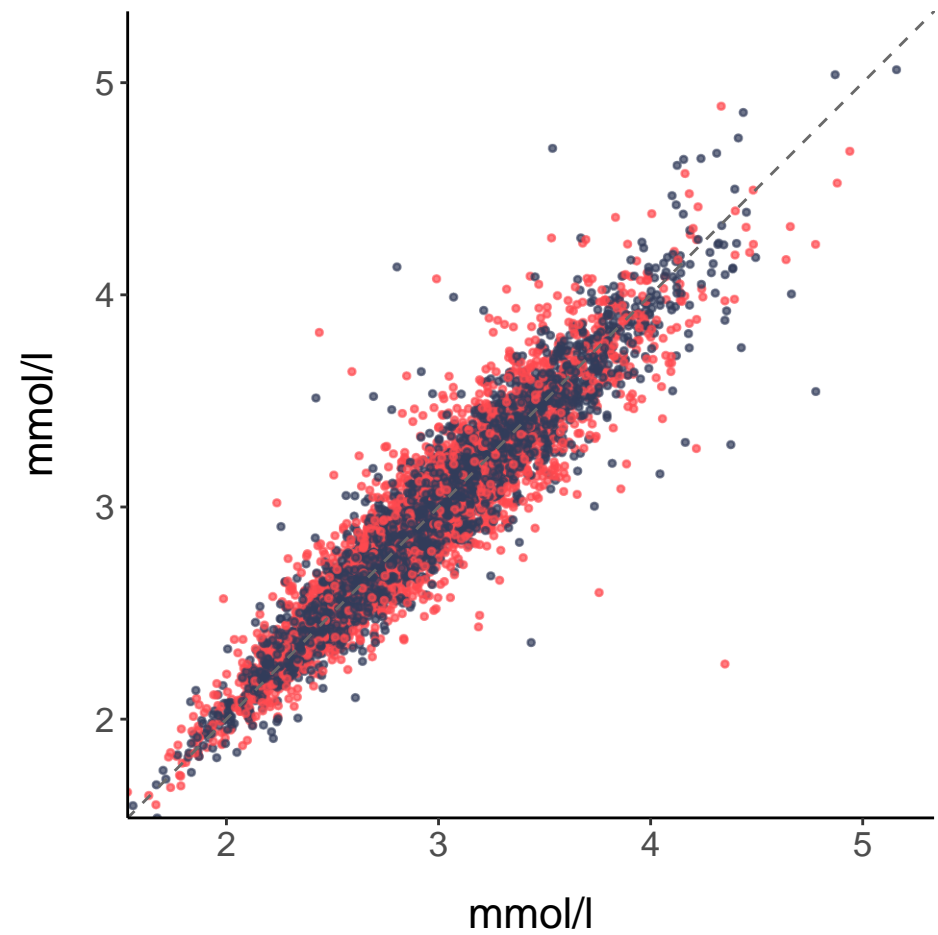
Phospholipids

Total_PL

CV: 2.69%, R²: 0.88

Different spectrometers

● FALSE ● TRUE

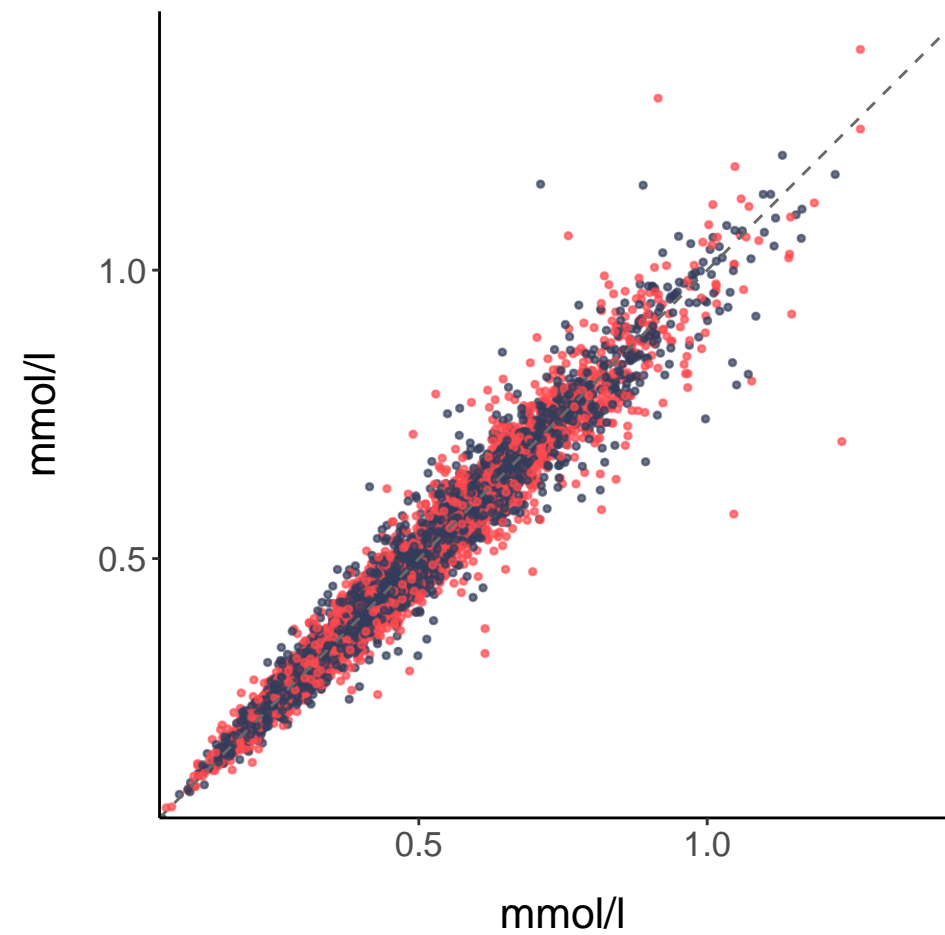


VLDL_PL

CV: 3.86%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

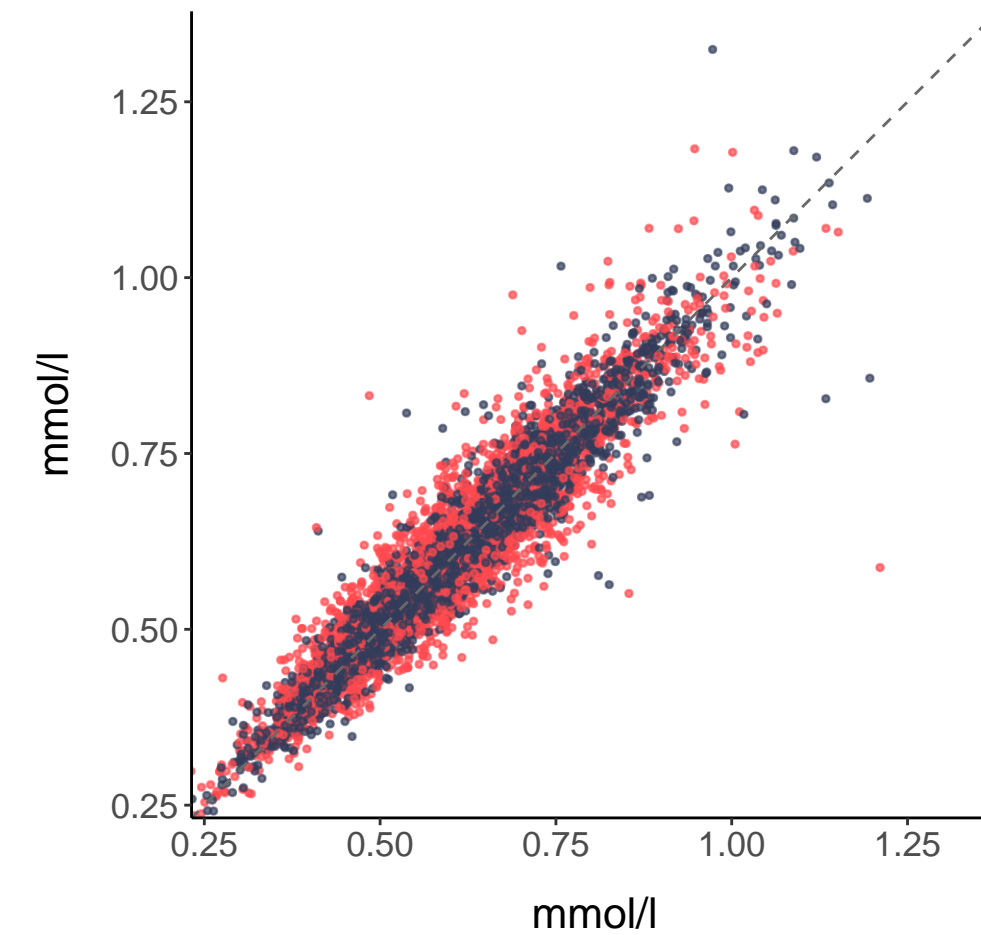


LDL_PL

CV: 3.74%, R²: 0.9

Different spectrometers

● FALSE ● TRUE

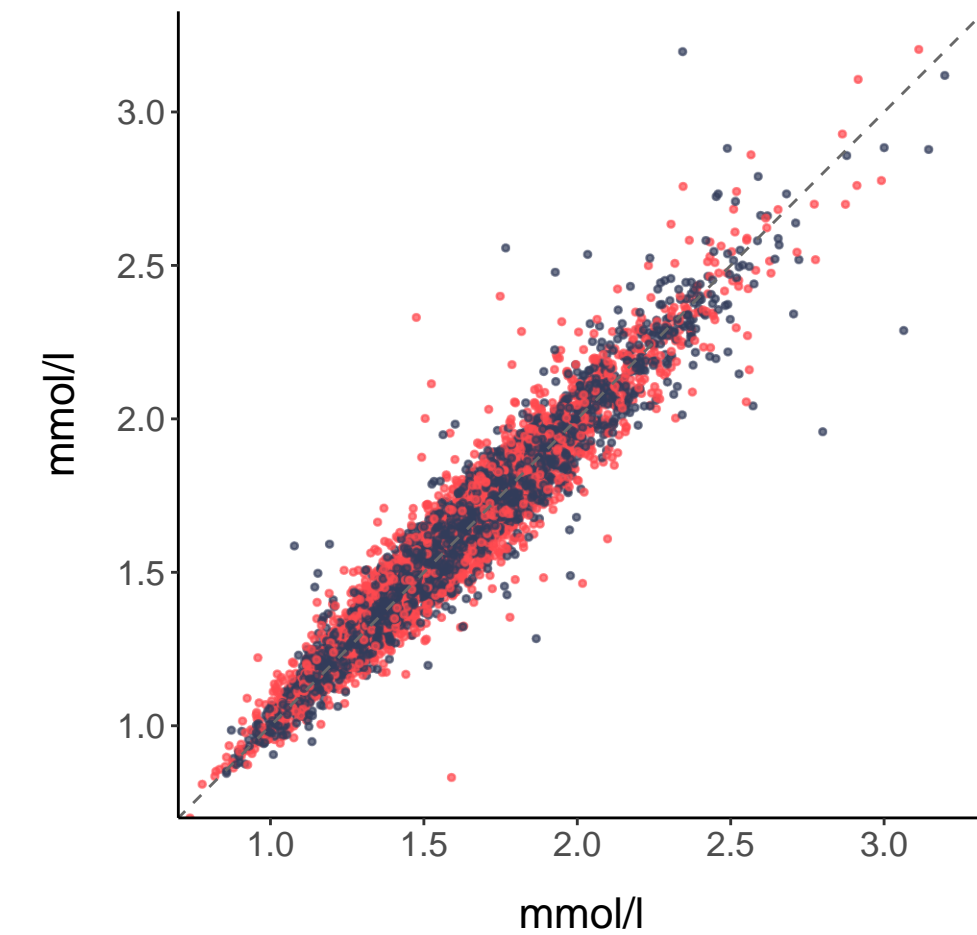


HDL_PL

CV: 2.65%, R²: 0.93

Different spectrometers

● FALSE ● TRUE



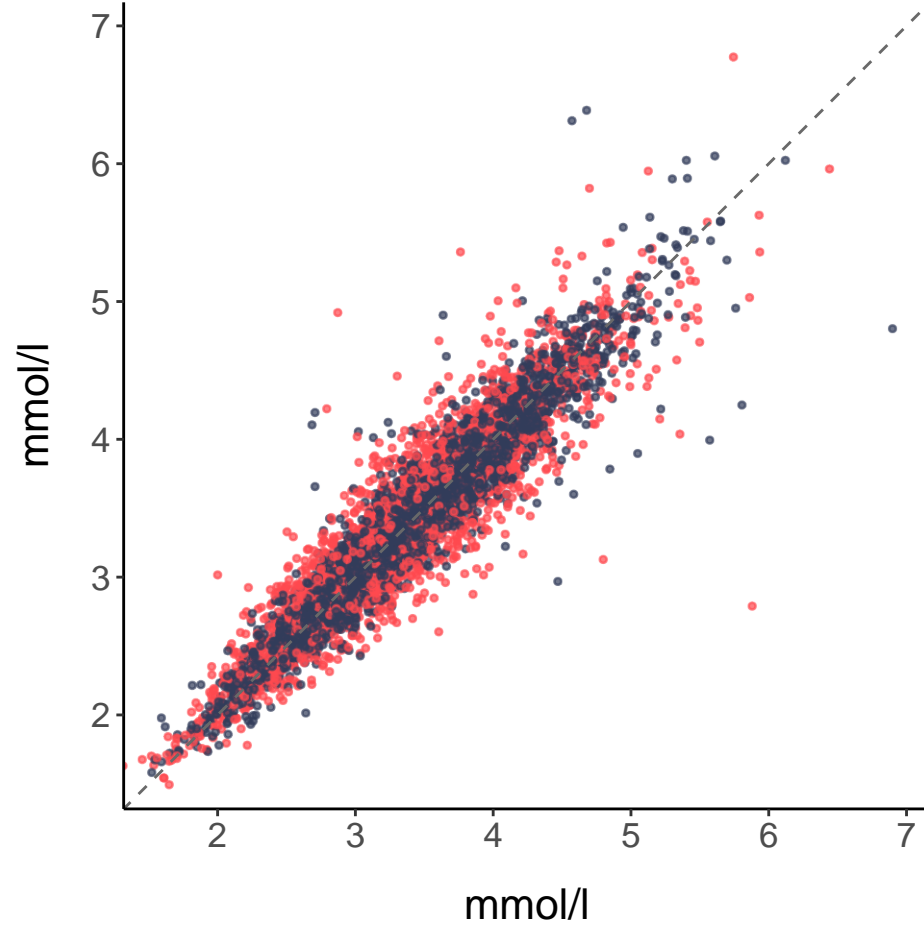
Cholesteryl esters

Total_CE

CV: 3.45%, R²: 0.88

Different spectrometers

● FALSE ● TRUE

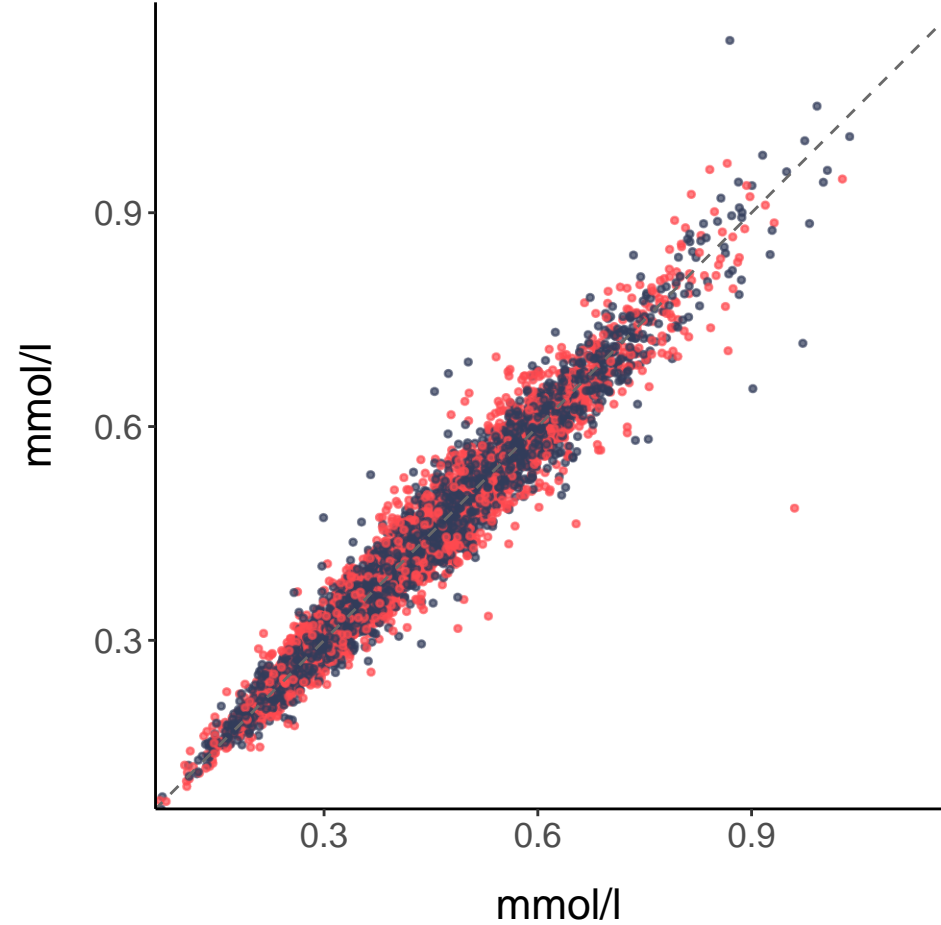


VLDL_CE

CV: 3.85%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

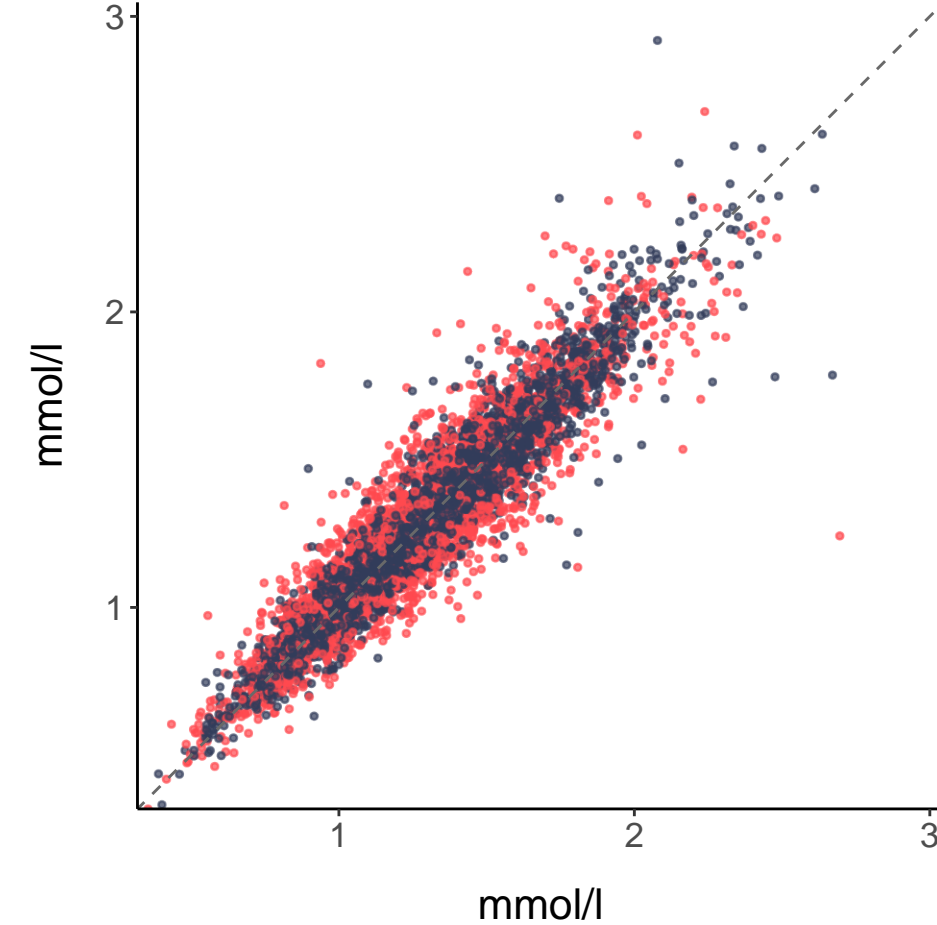


LDL_CE

CV: 4.47%, R²: 0.88

Different spectrometers

● FALSE ● TRUE

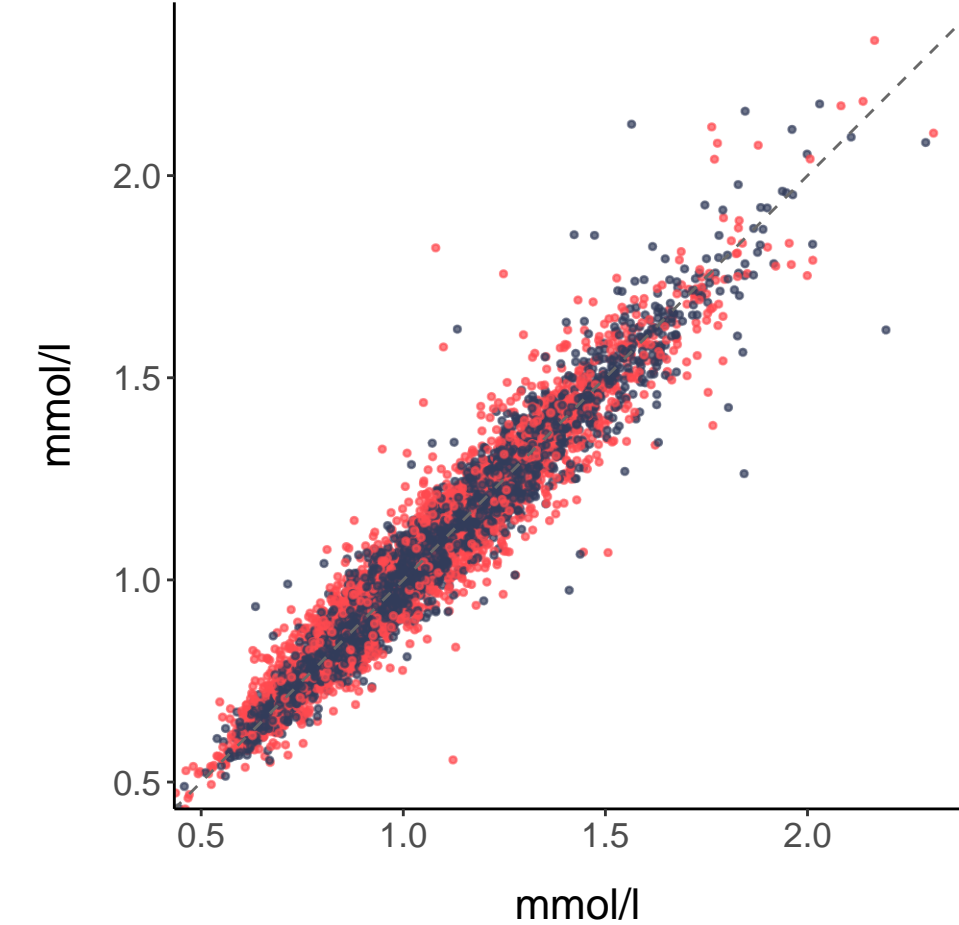


HDL_CE

CV: 3.23%, R²: 0.93

Different spectrometers

● FALSE ● TRUE



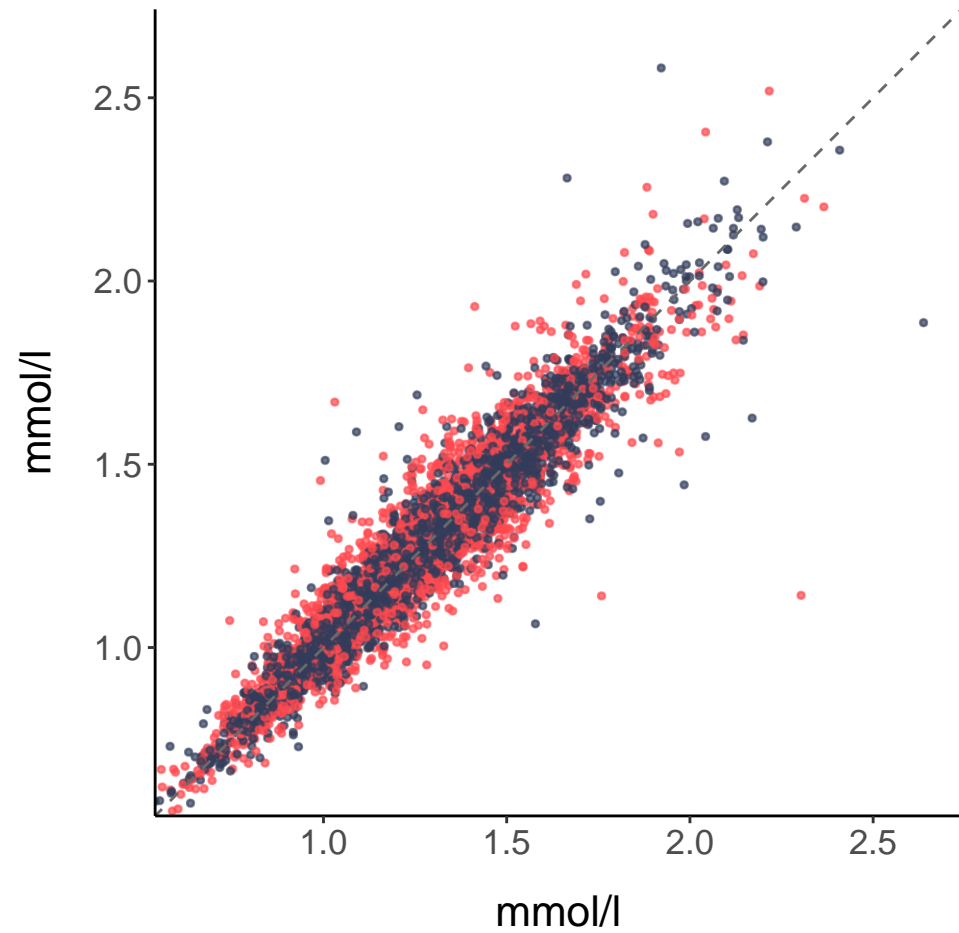
Free cholesterol

Total_FC

CV: 3.22%, R^2 : 0.91

Different spectrometers

● FALSE ● TRUE

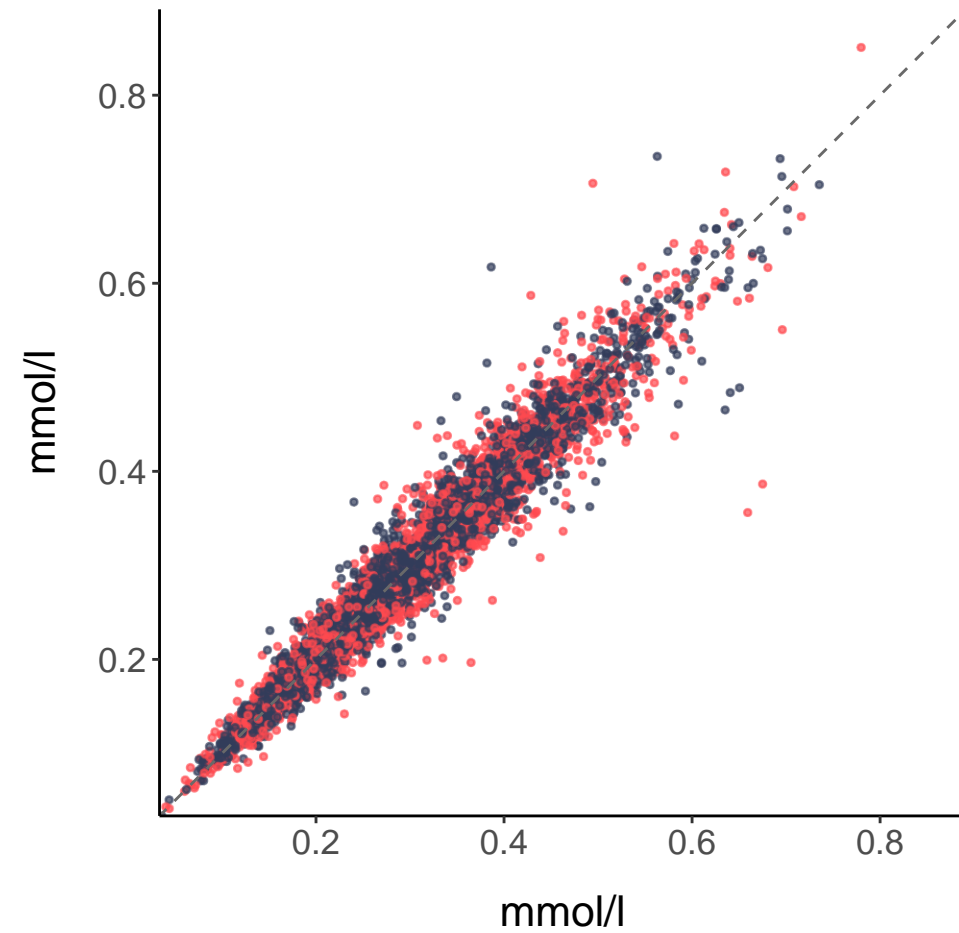


VLDL_FC

CV: 4.15%, R^2 : 0.95

Different spectrometers

● FALSE ● TRUE

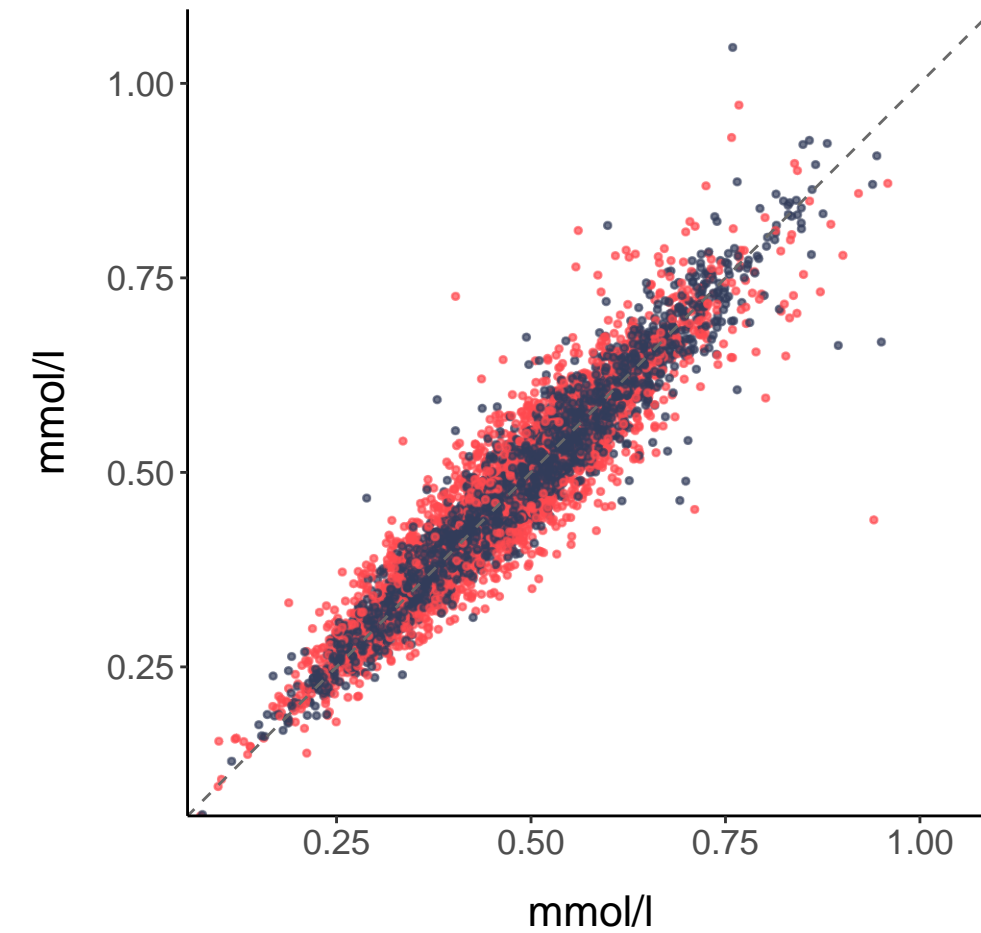


LDL_FC

CV: 4.33%, R^2 : 0.9

Different spectrometers

● FALSE ● TRUE

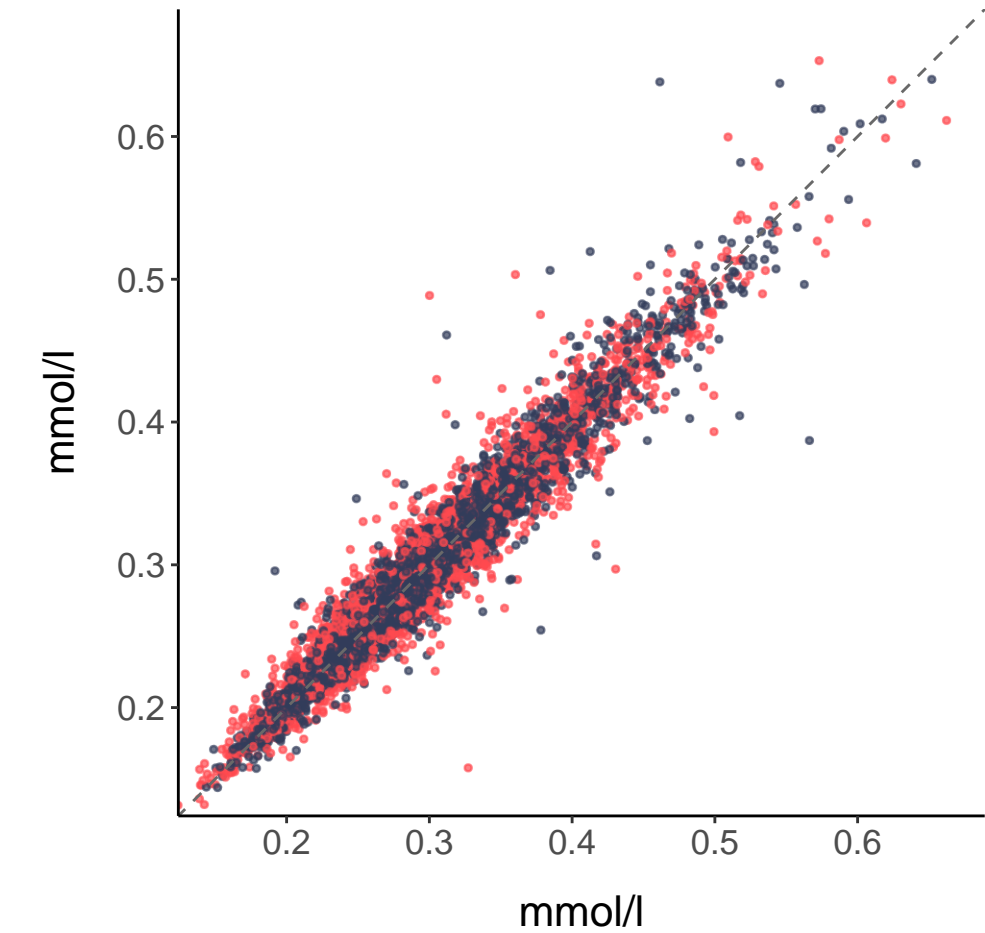


HDL_FC

CV: 2.94%, R^2 : 0.94

Different spectrometers

● FALSE ● TRUE



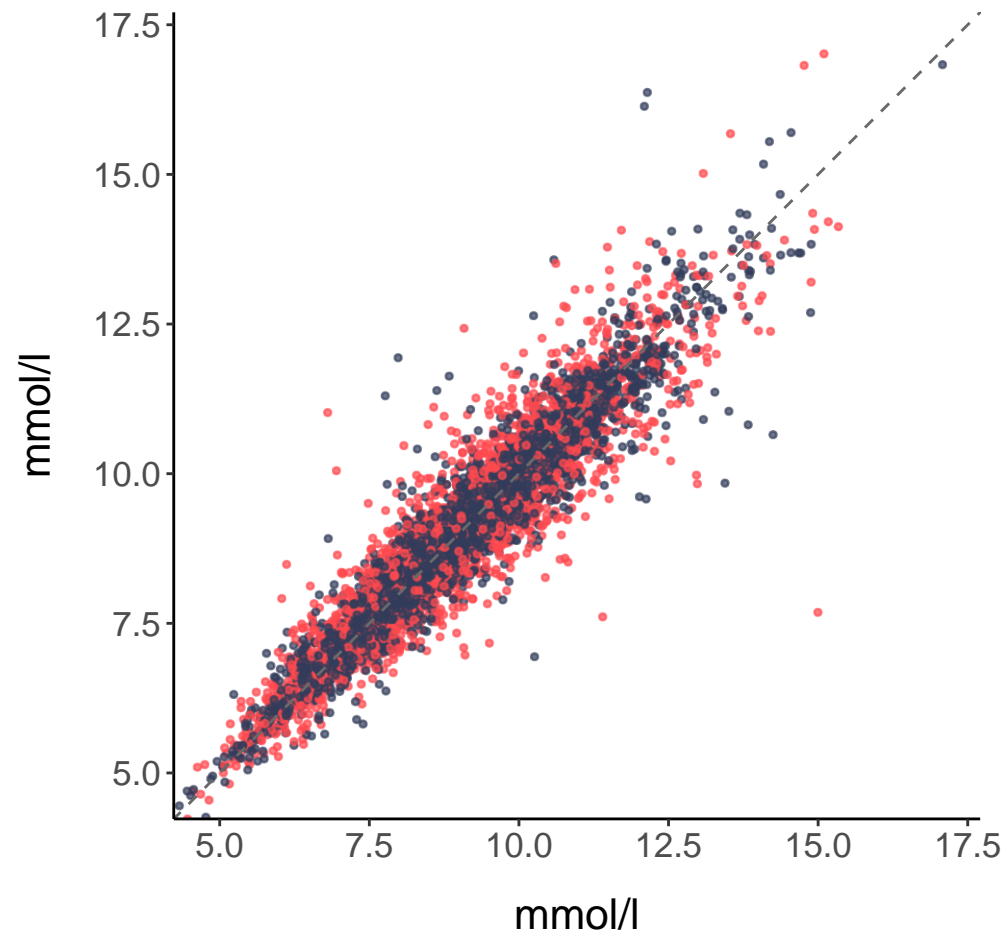
Total lipids

Total_L

CV: 3.06%, R^2 : 0.89

Different spectrometers

● FALSE ● TRUE

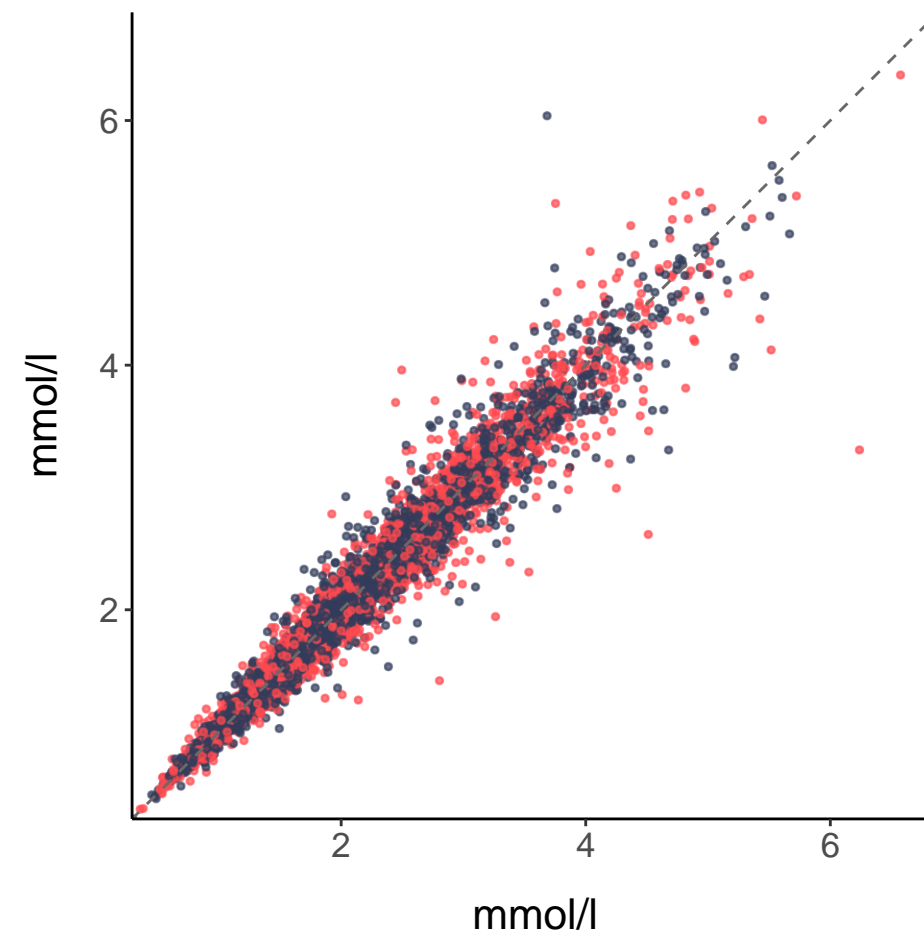


VLDL_L

CV: 3.85%, R^2 : 0.95

Different spectrometers

● FALSE ● TRUE

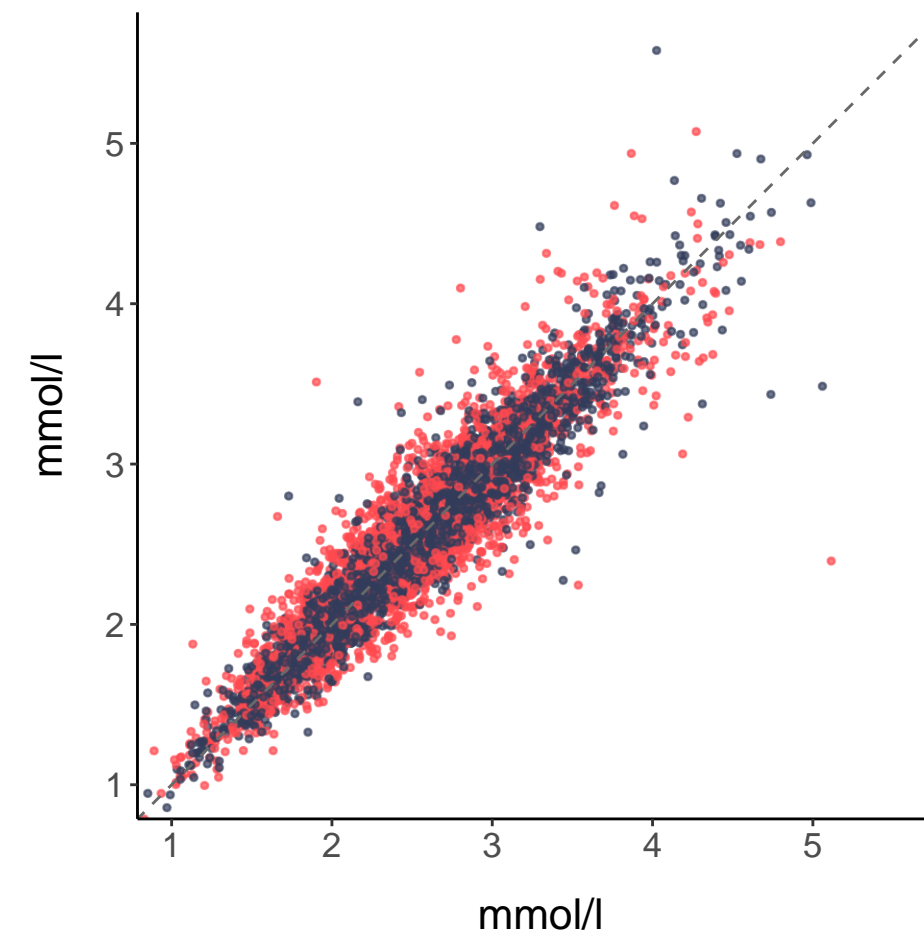


LDL_L

CV: 4.13%, R^2 : 0.89

Different spectrometers

● FALSE ● TRUE

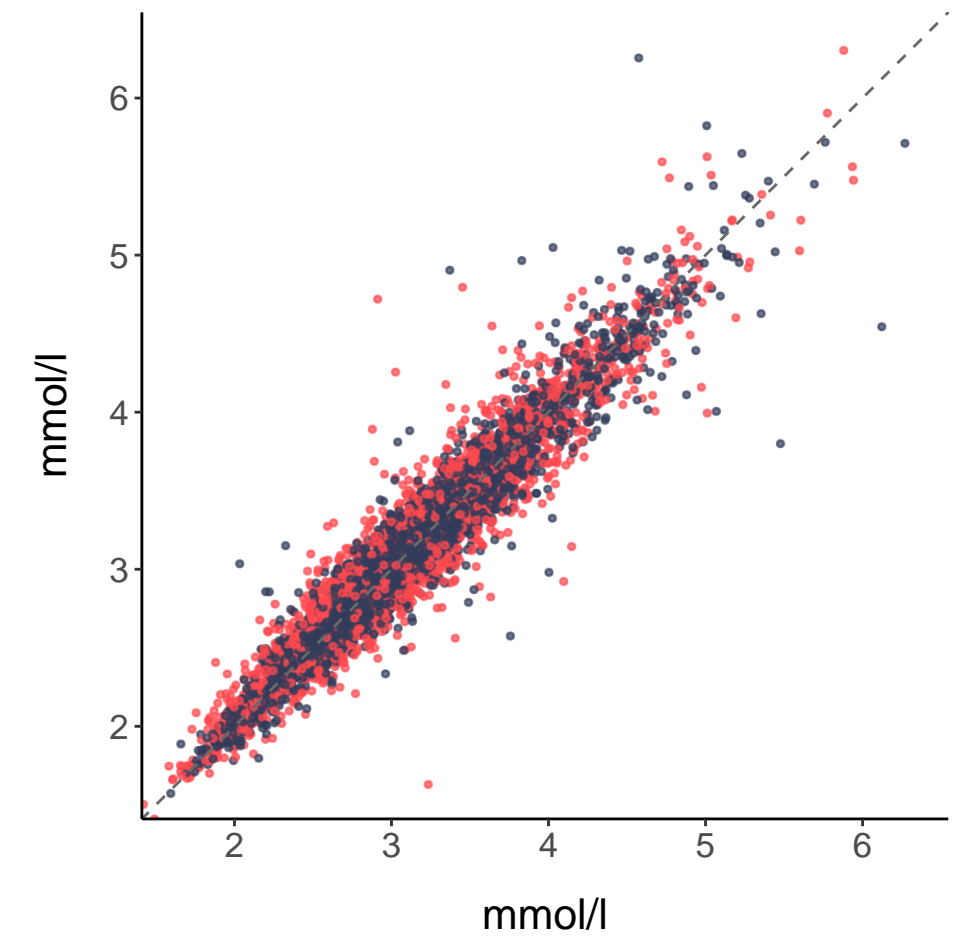


HDL_L

CV: 2.81%, R^2 : 0.93

Different spectrometers

● FALSE ● TRUE



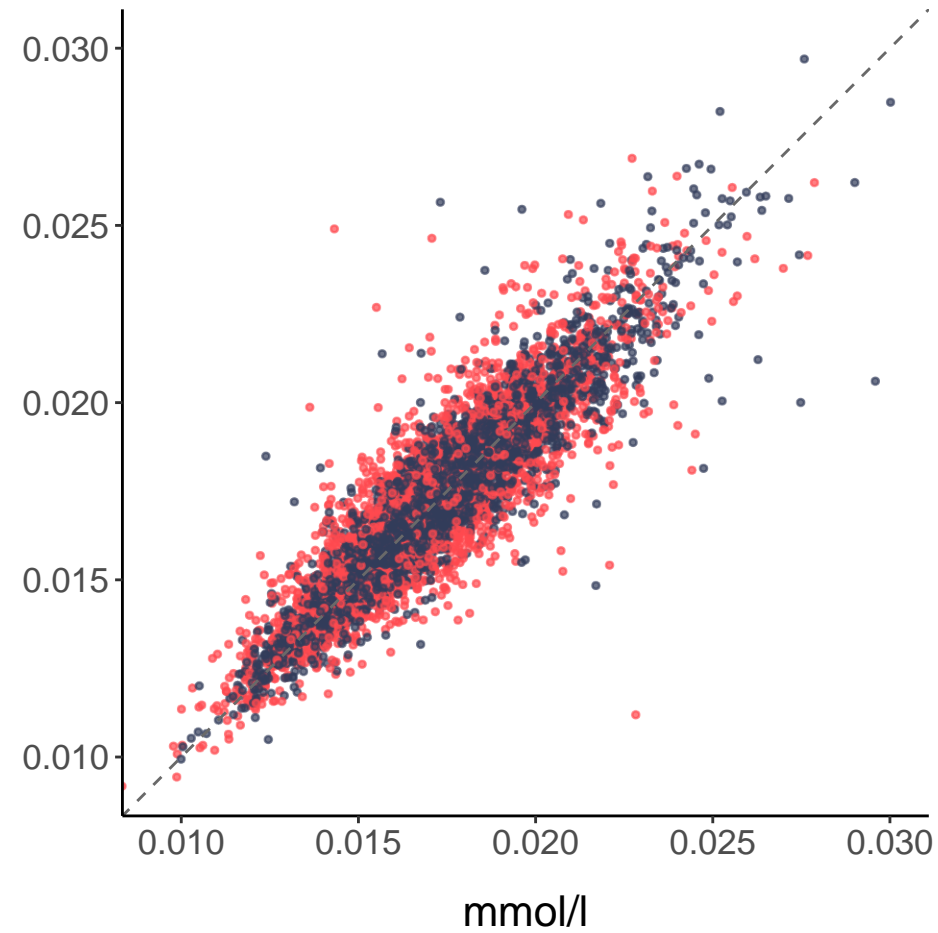
Lipoprotein particle concentrations

Total_P

CV: 3.26%, R^2 : 0.82

Different spectrometers

● FALSE ● TRUE

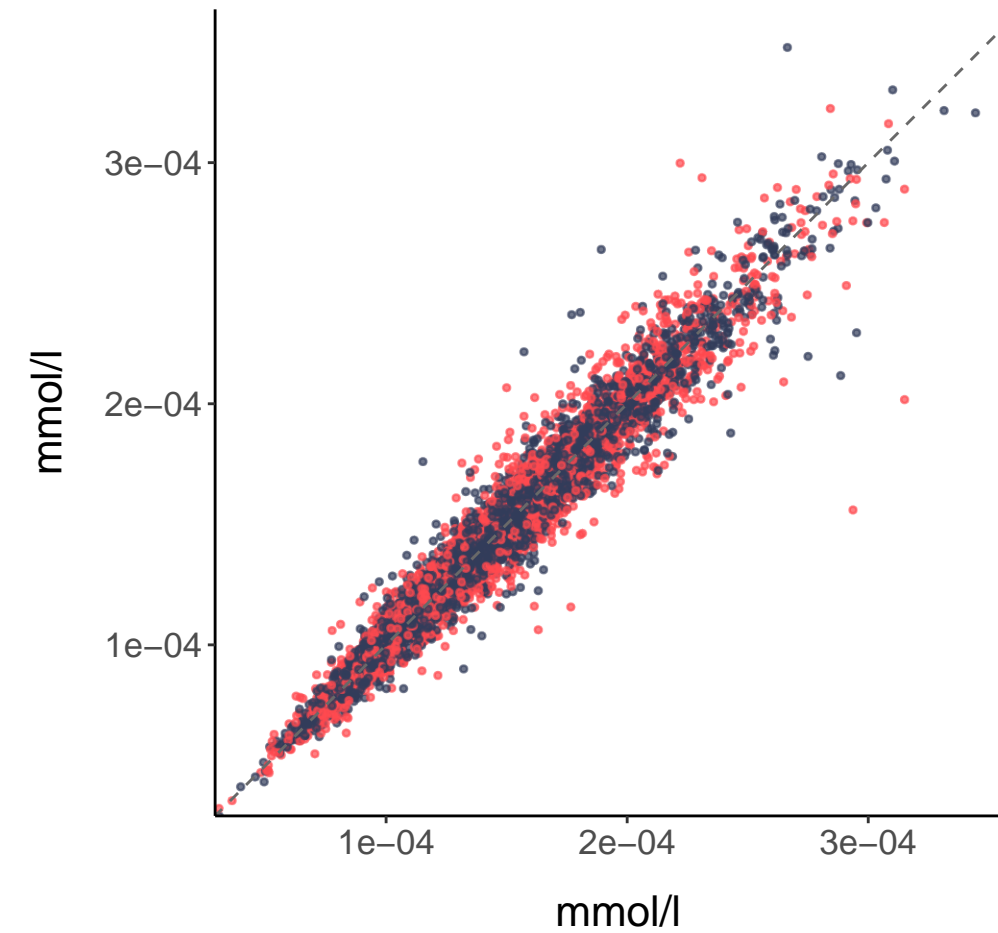


VLDL_P

CV: 3.32%, R^2 : 0.95

Different spectrometers

● FALSE ● TRUE

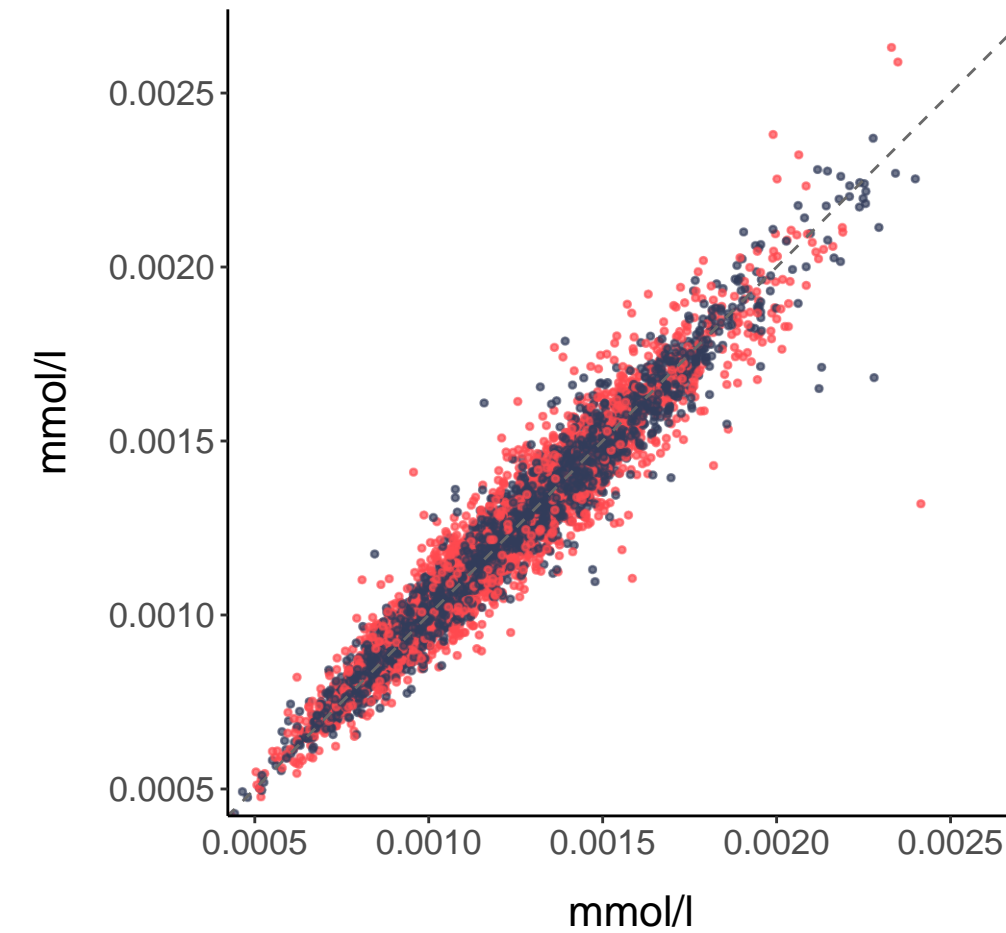


LDL_P

CV: 2.93%, R^2 : 0.94

Different spectrometers

● FALSE ● TRUE

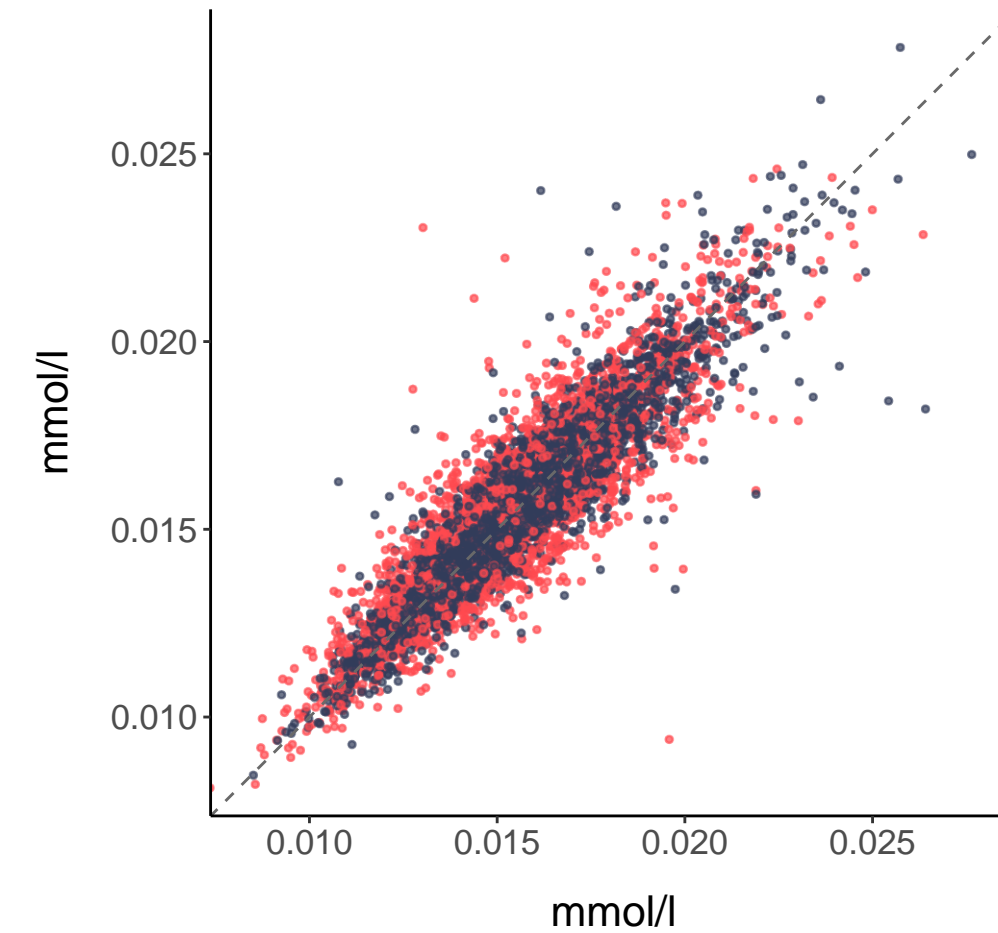


HDL_P

CV: 3.38%, R^2 : 0.83

Different spectrometers

● FALSE ● TRUE



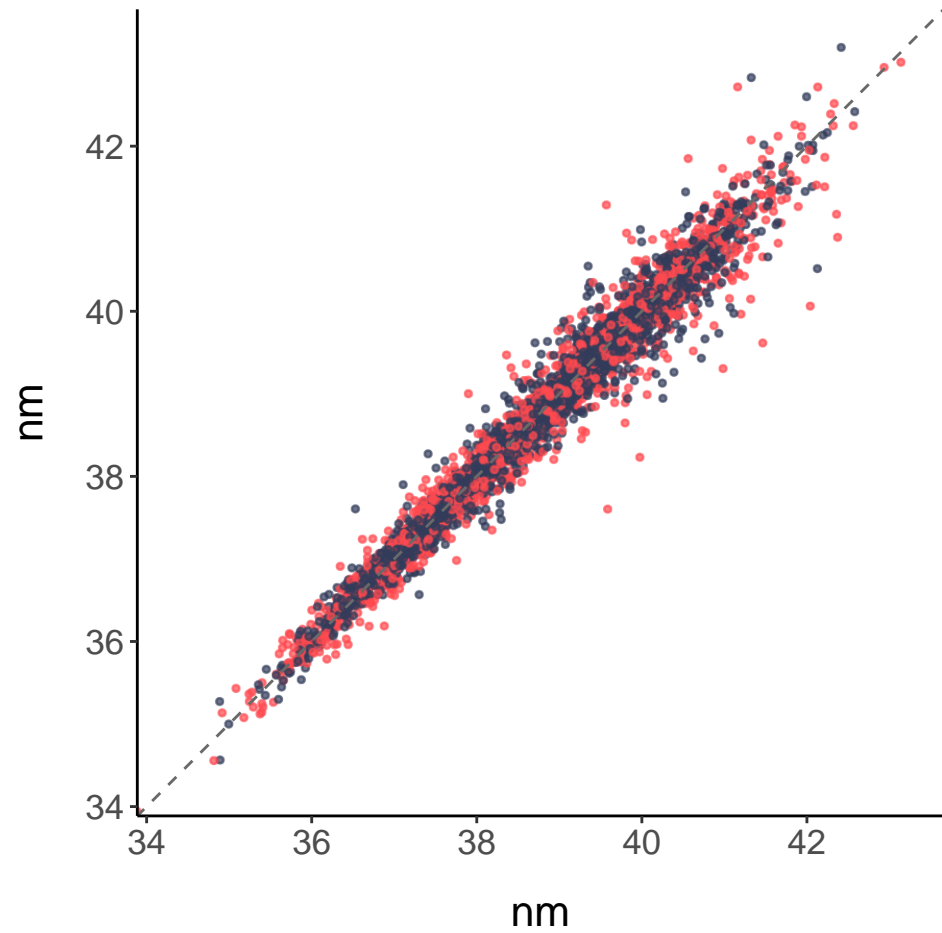
Lipoprotein particle sizes

VLDL_size

CV: 0.25%, R^2 : 0.97

Different spectrometers

● FALSE ● TRUE

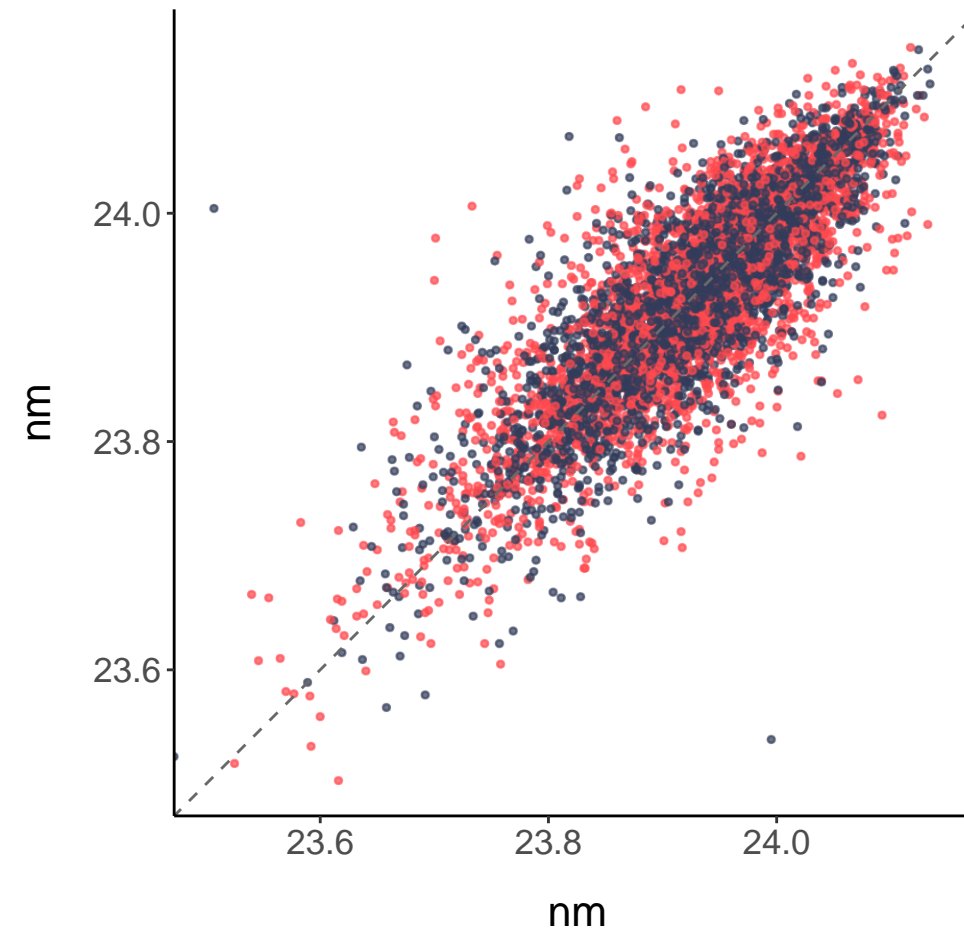


LDL_size

CV: 0.11%, R^2 : 0.7

Different spectrometers

● FALSE ● TRUE

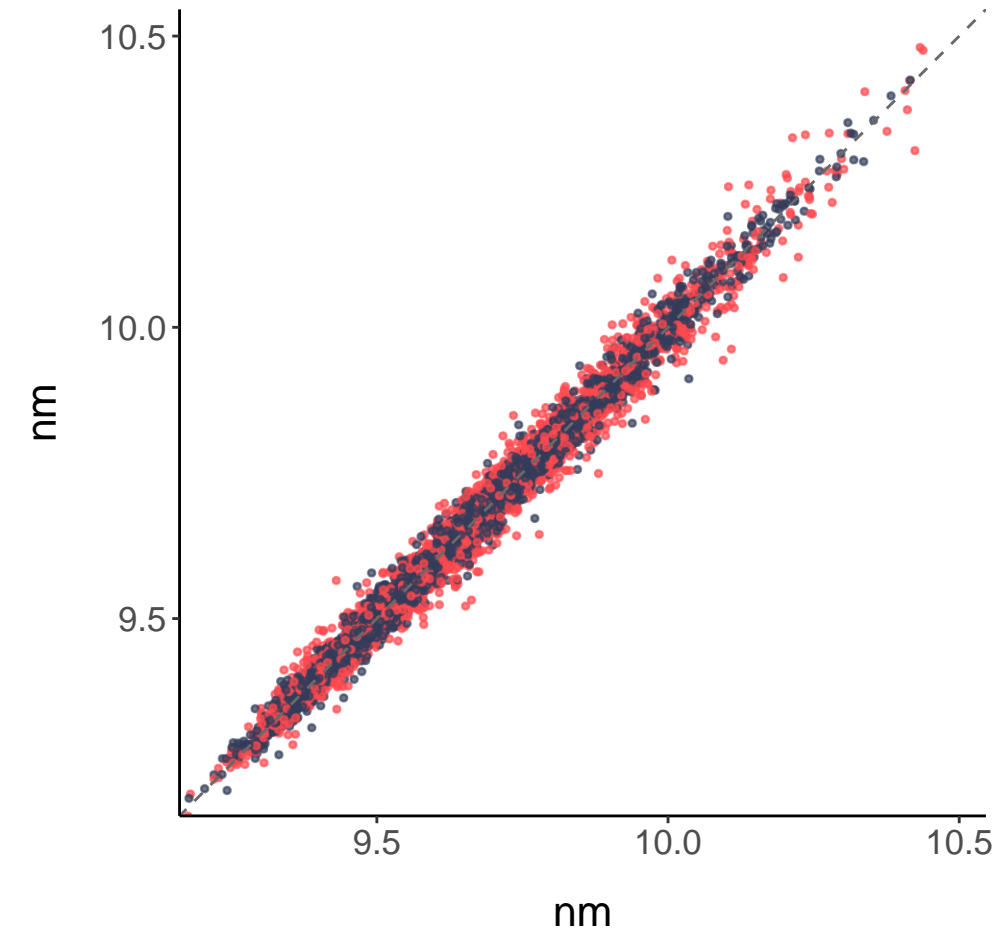


HDL_size

CV: 0.14%, R^2 : 0.98

Different spectrometers

● FALSE ● TRUE



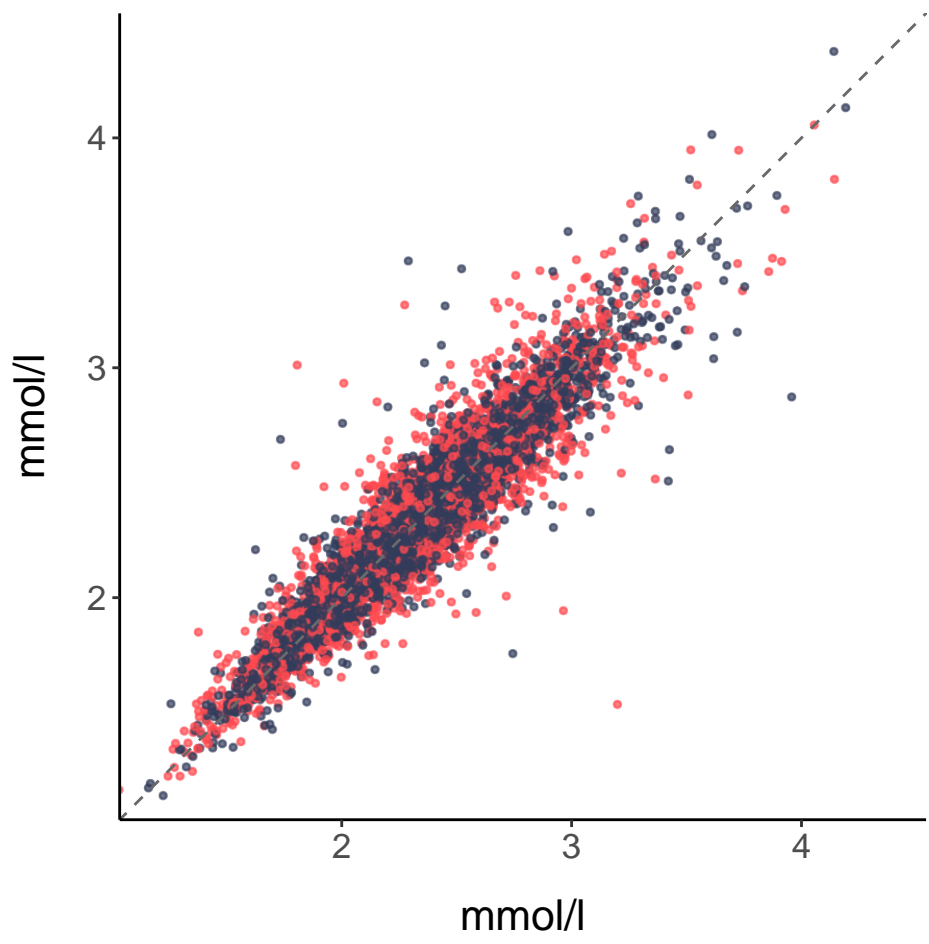
Other lipids

Phosphoglyc

CV: 3.11%, R^2 : 0.87

Different spectrometers

● FALSE ● TRUE

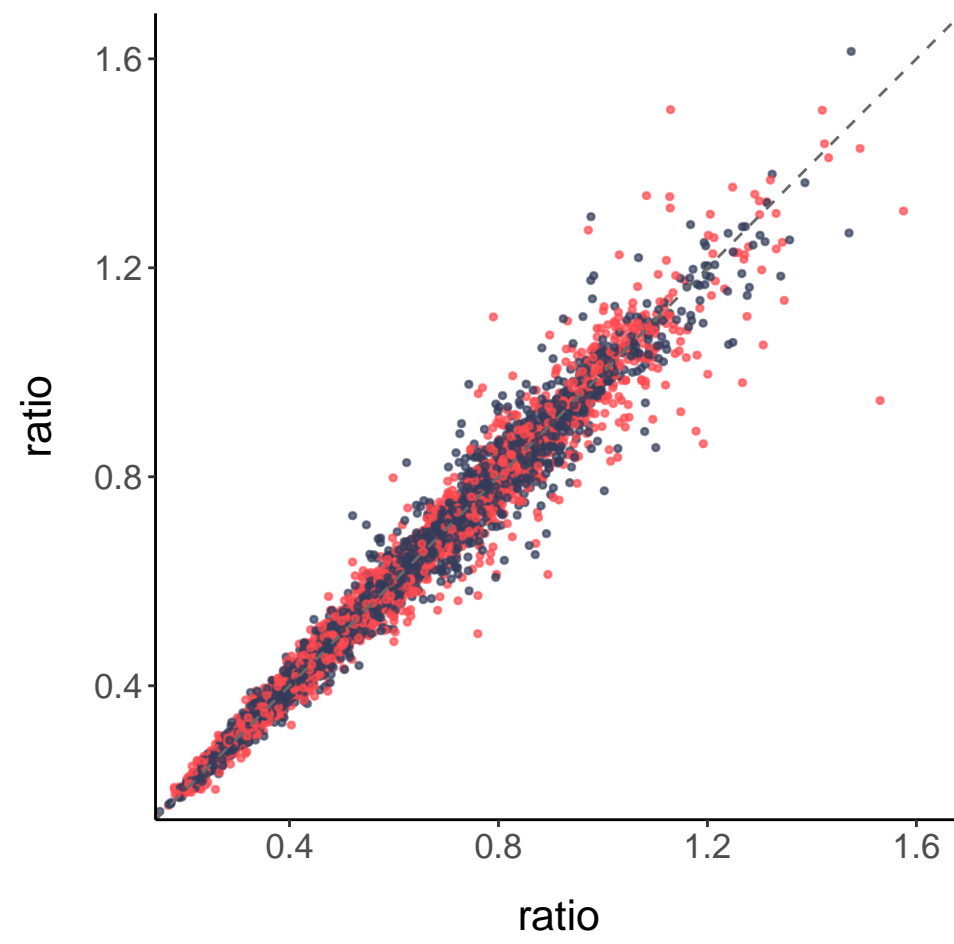


TG_by_PG

CV: 2.55%, R^2 : 0.97

Different spectrometers

● FALSE ● TRUE

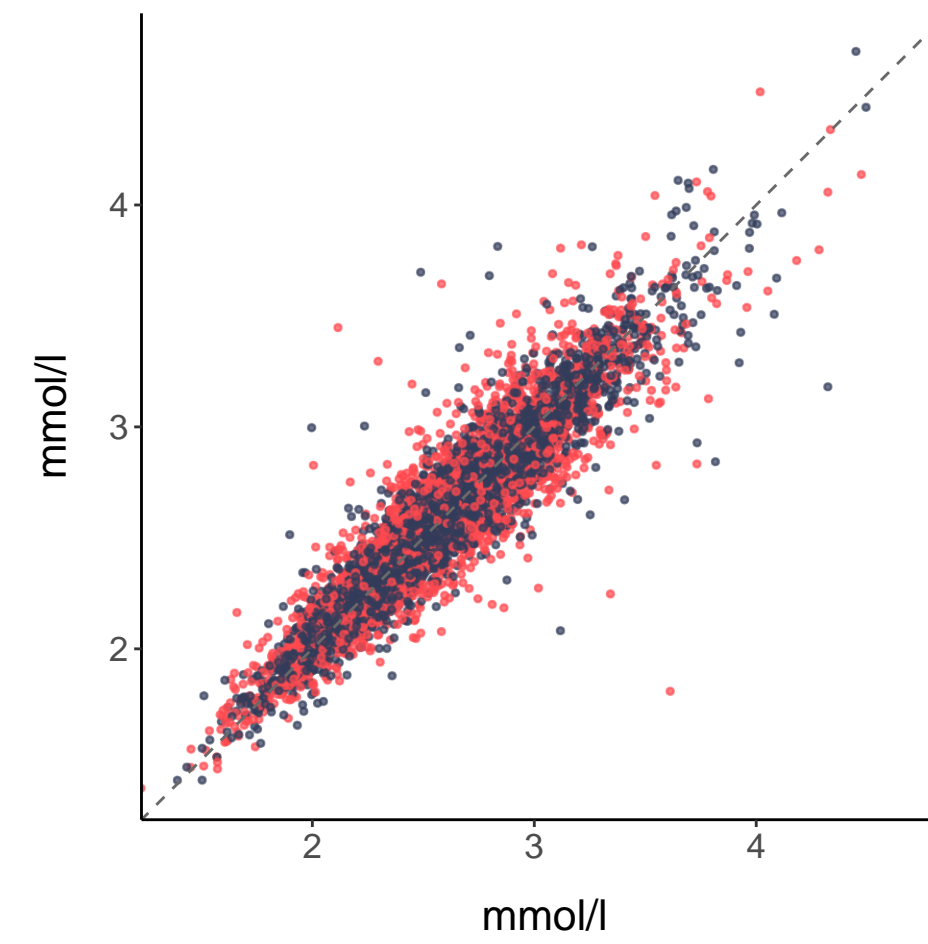


Cholines

CV: 2.96%, R^2 : 0.86

Different spectrometers

● FALSE ● TRUE

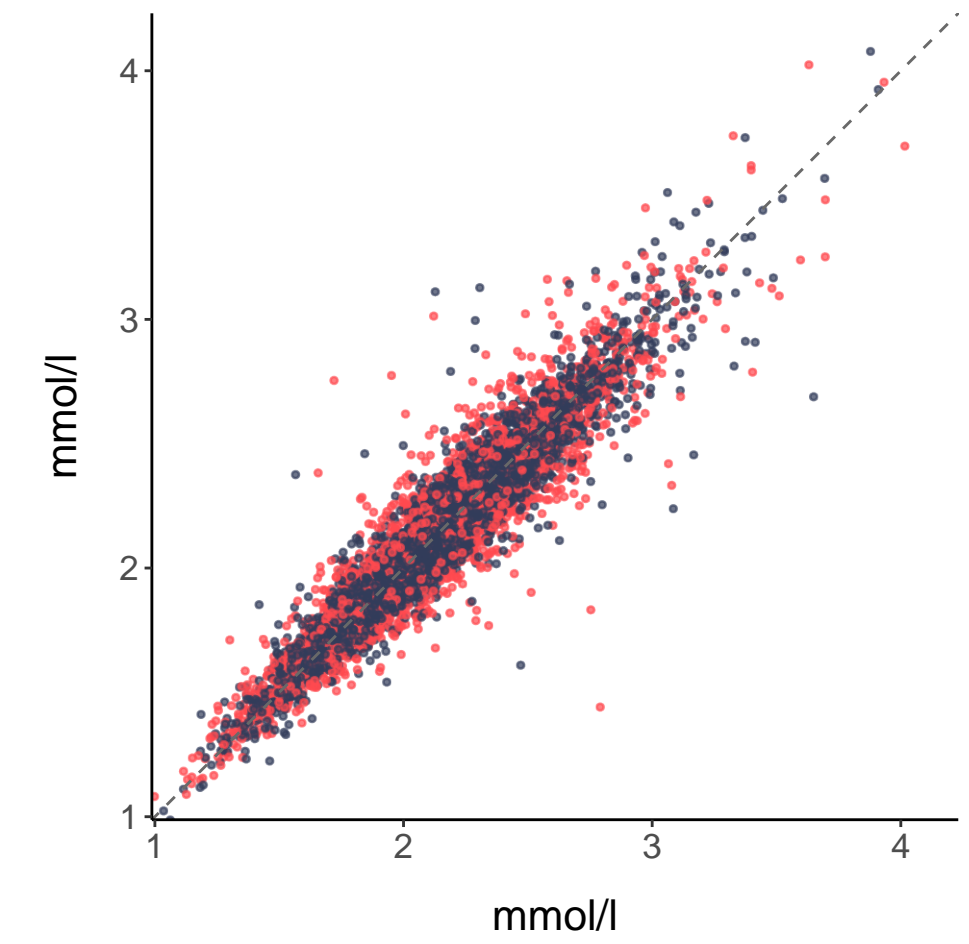


Phosphatidylc

CV: 2.95%, R^2 : 0.89

Different spectrometers

● FALSE ● TRUE

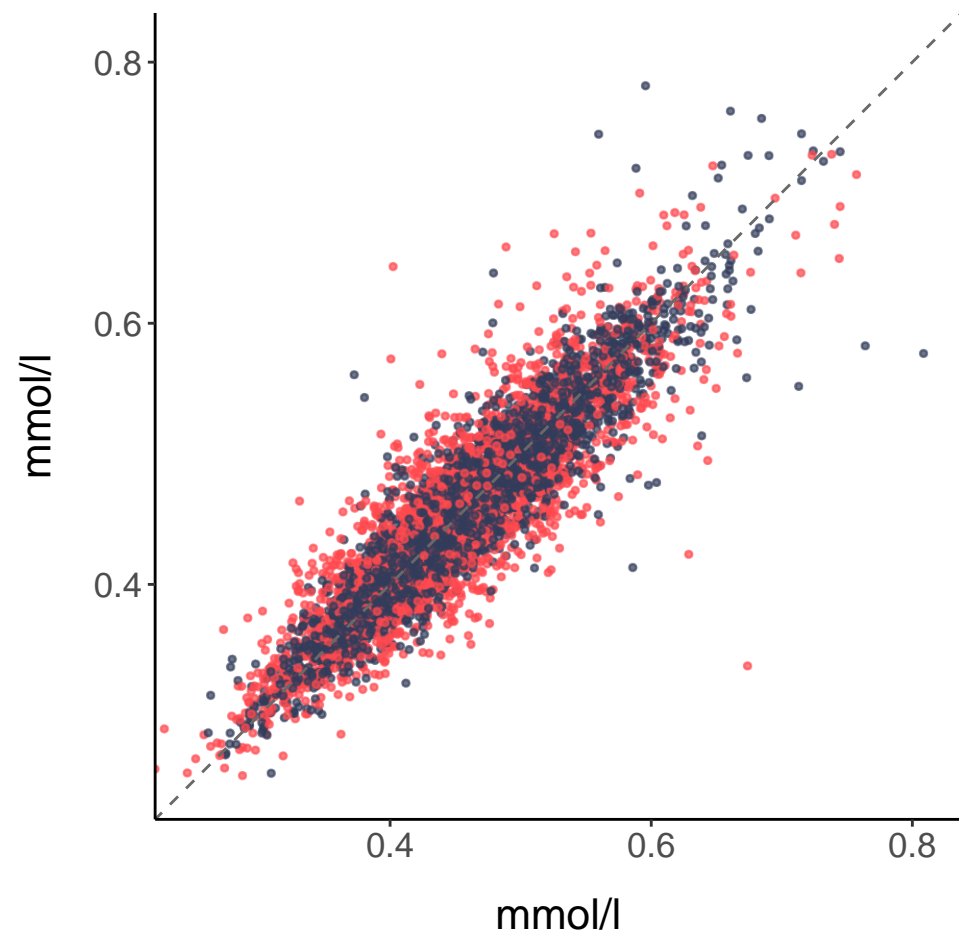


Sphingomyelins

CV: 3.5%, R^2 : 0.82

Different spectrometers

● FALSE ● TRUE



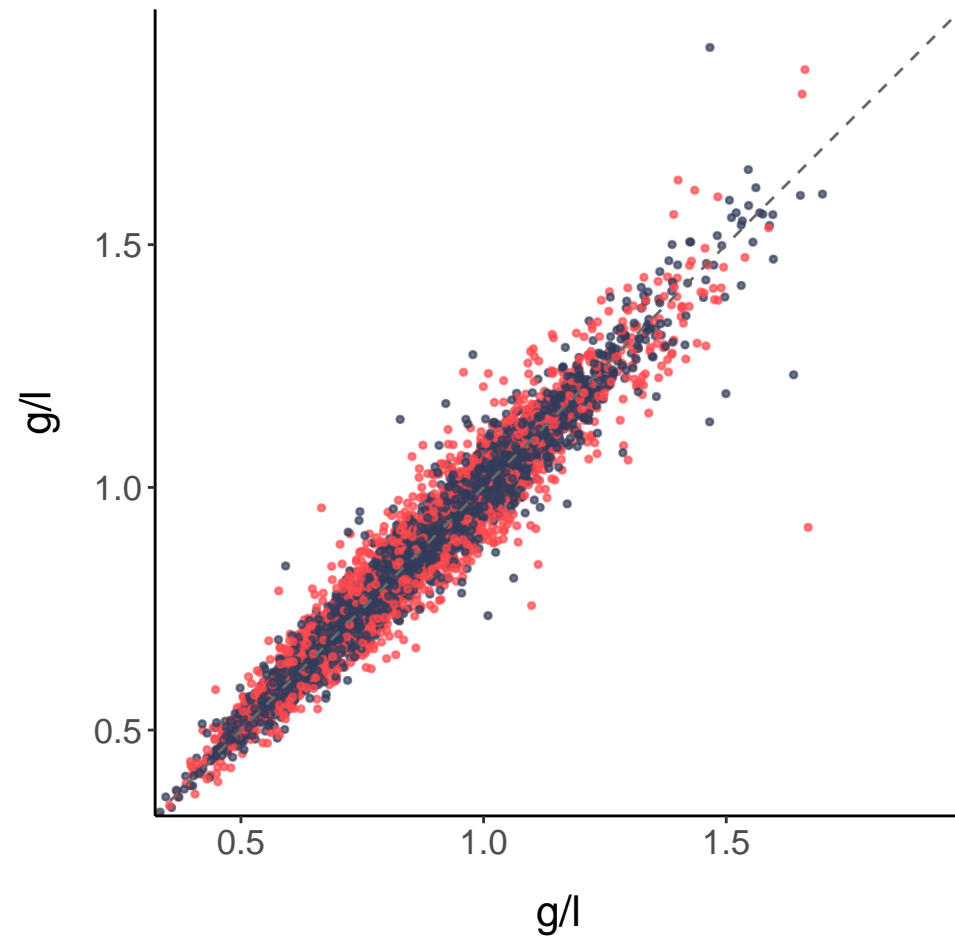
Apolipoproteins

ApoB

CV: 2.78%, R^2 : 0.94

Different spectrometers

● FALSE ● TRUE

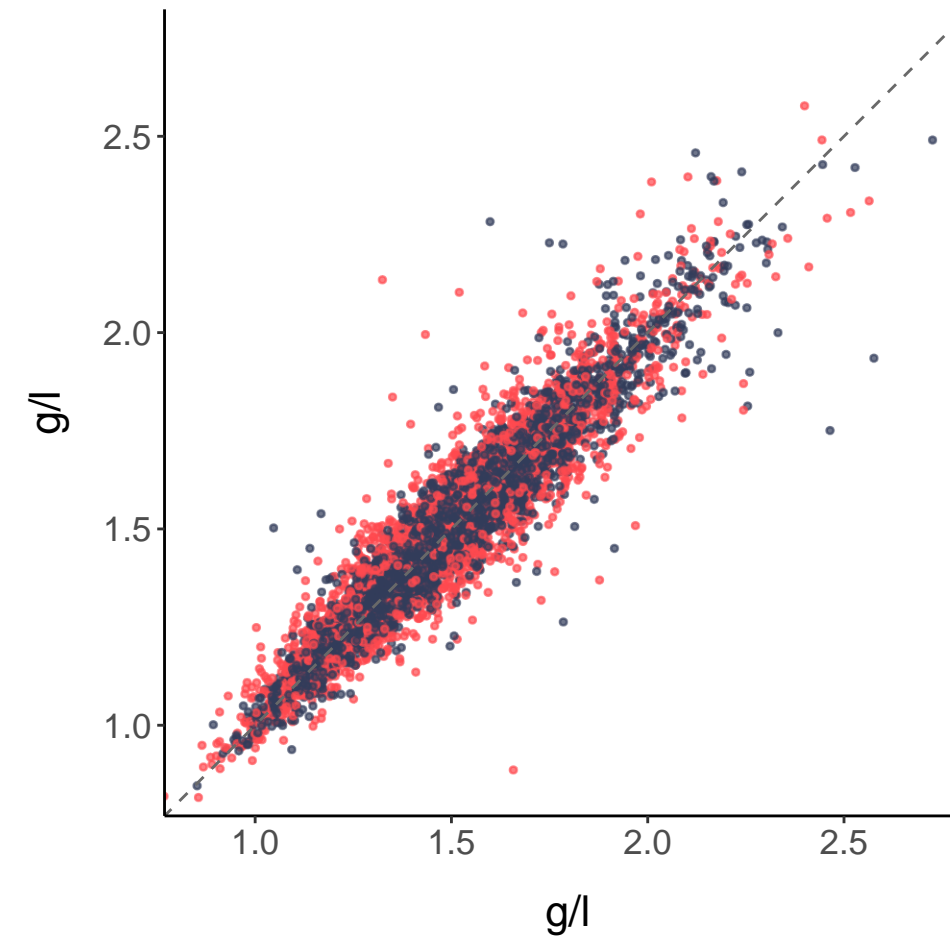


ApoA1

CV: 2.72%, R^2 : 0.89

Different spectrometers

● FALSE ● TRUE

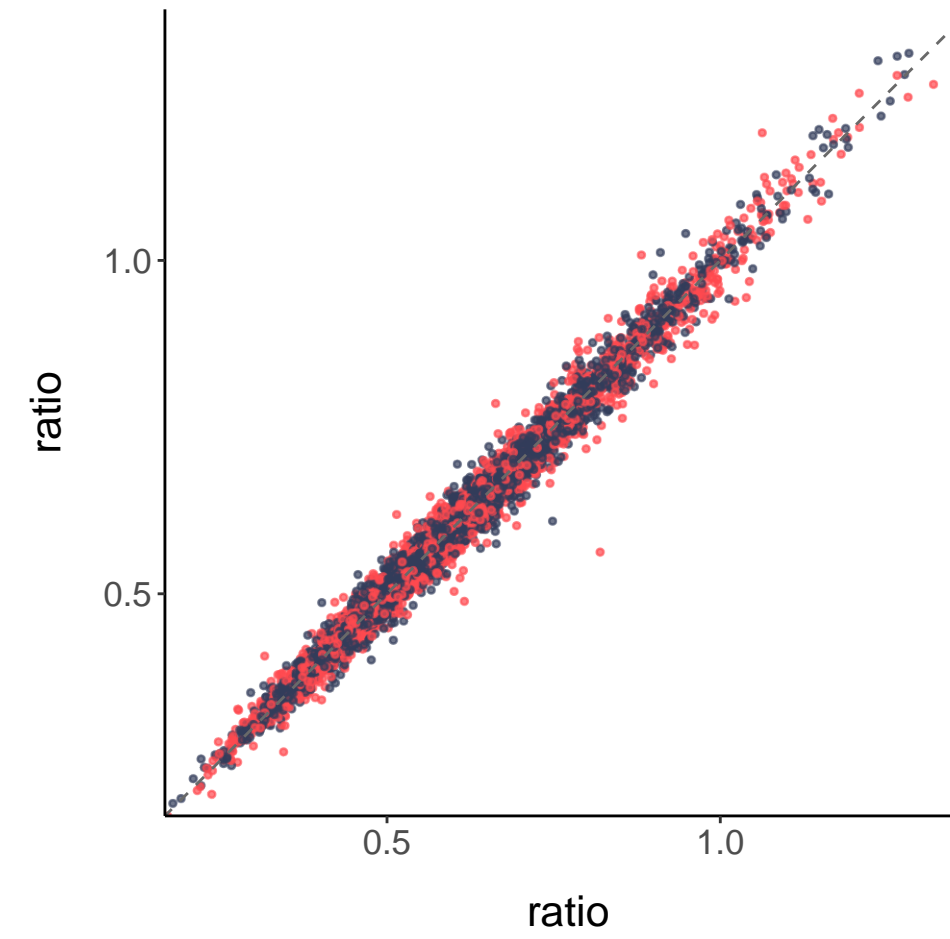


ApoB_by_ApoA1

CV: 1.81%, R^2 : 0.99

Different spectrometers

● FALSE ● TRUE



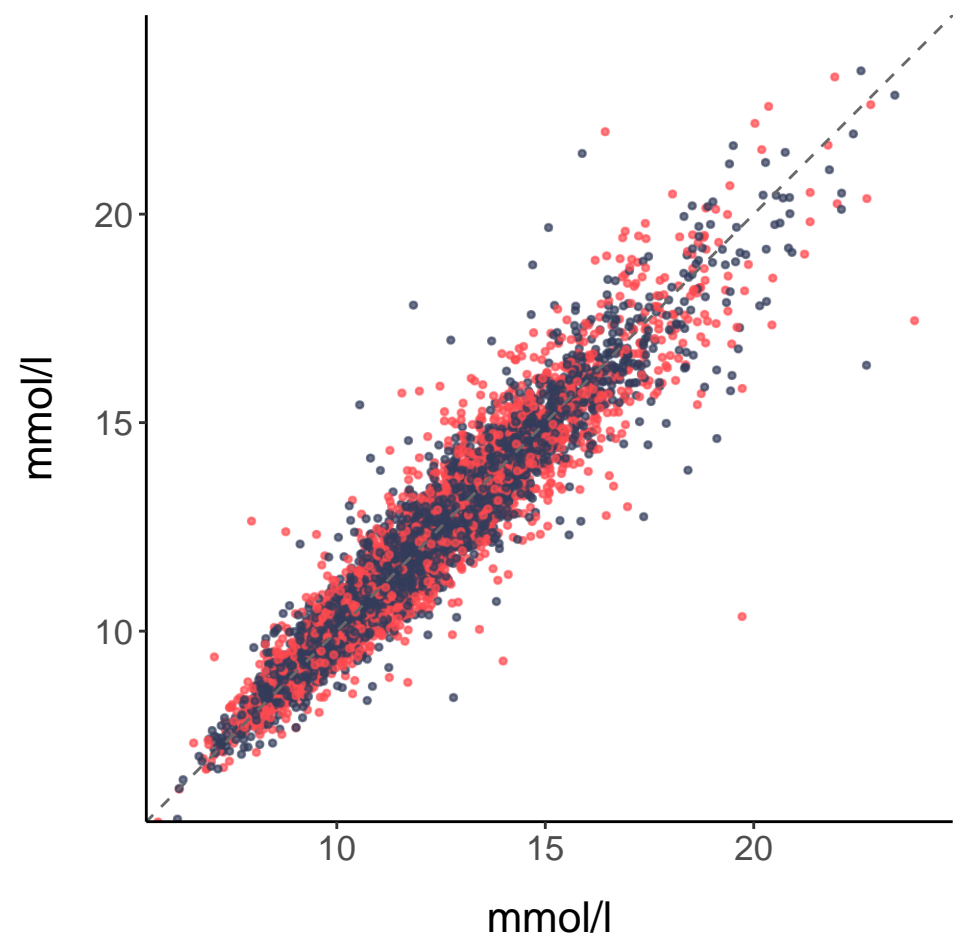
Fatty acids

Total_FA

CV: 3.03%, R^2 : 0.9

Different spectrometers

● FALSE ● TRUE

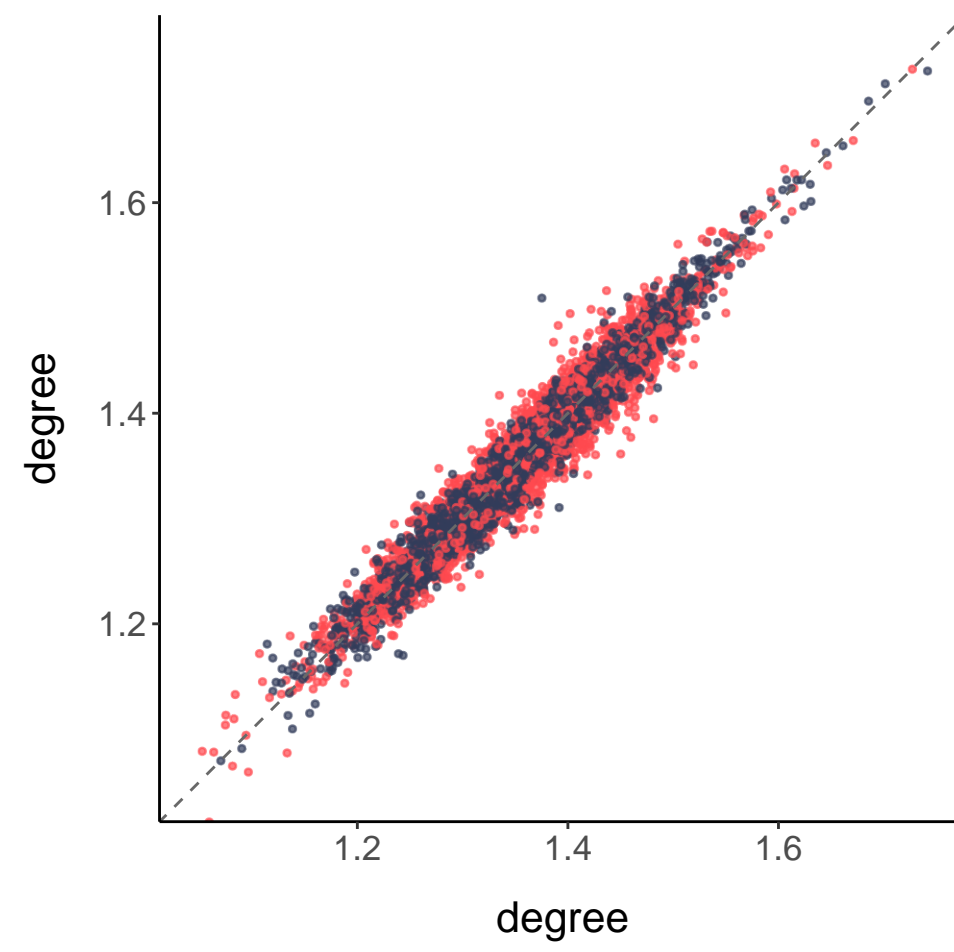


Unsaturation

CV: 0.75%, R^2 : 0.95

Different spectrometers

● FALSE ● TRUE

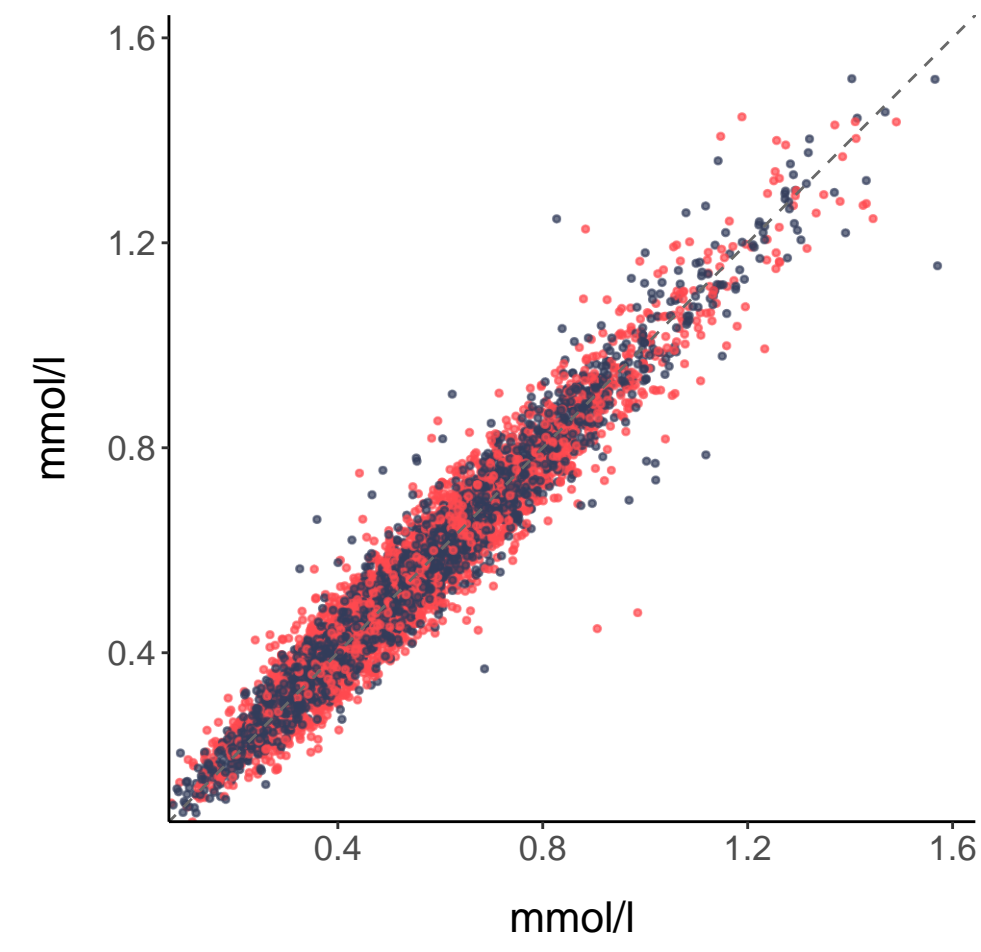


Omega_3

CV: 5.7%, R^2 : 0.94

Different spectrometers

● FALSE ● TRUE

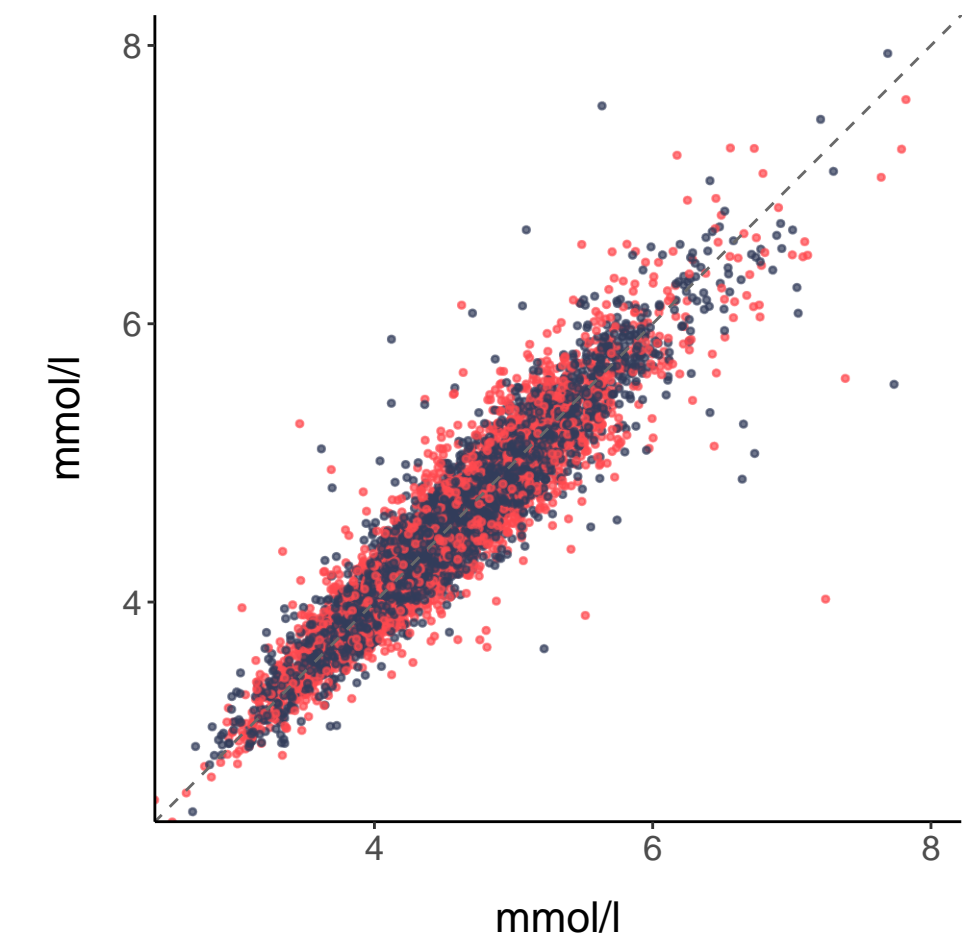


Omega_6

CV: 2.65%, R^2 : 0.88

Different spectrometers

● FALSE ● TRUE

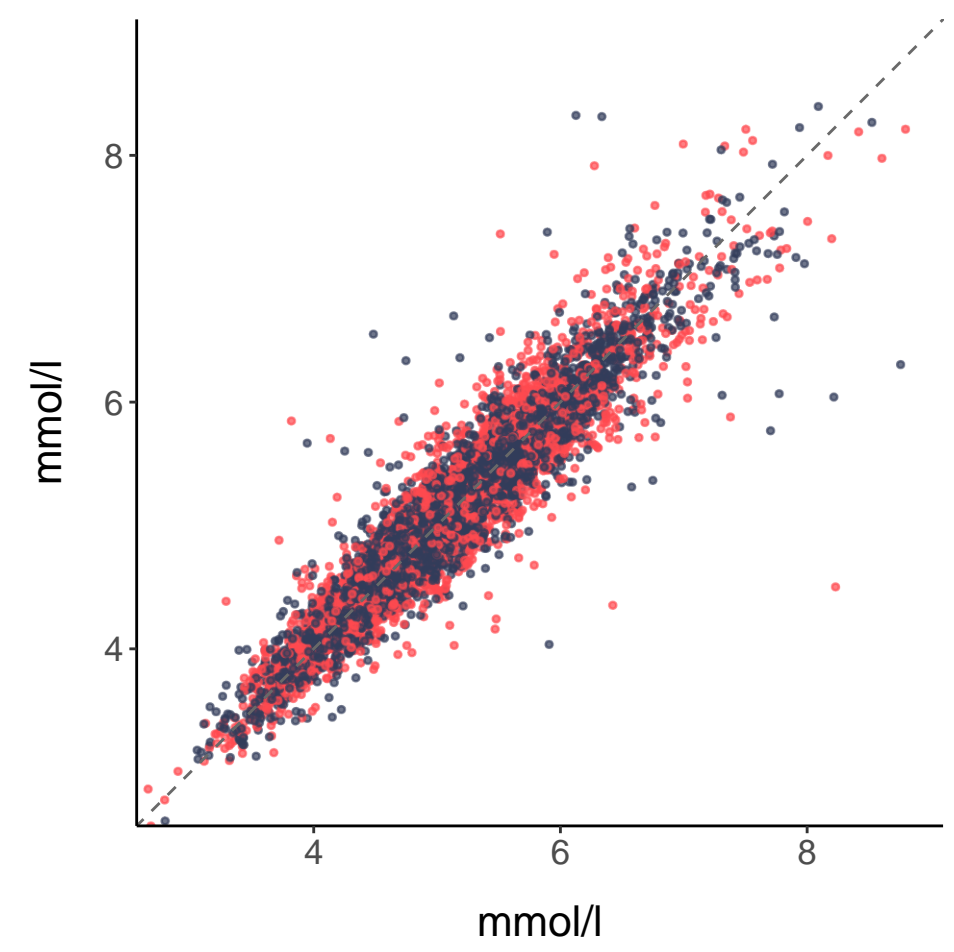


PUFA

CV: 2.73%, R^2 : 0.88

Different spectrometers

● FALSE ● TRUE

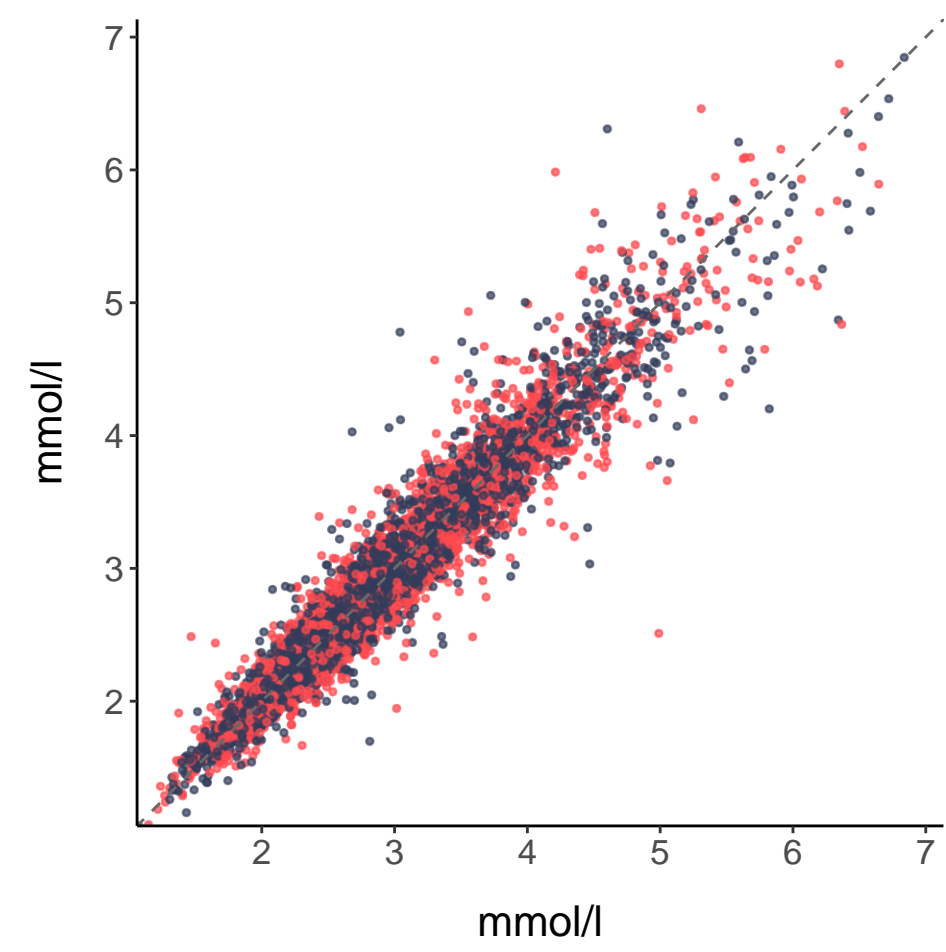


MUFA

CV: 3.75%, R^2 : 0.92

Different spectrometers

● FALSE ● TRUE

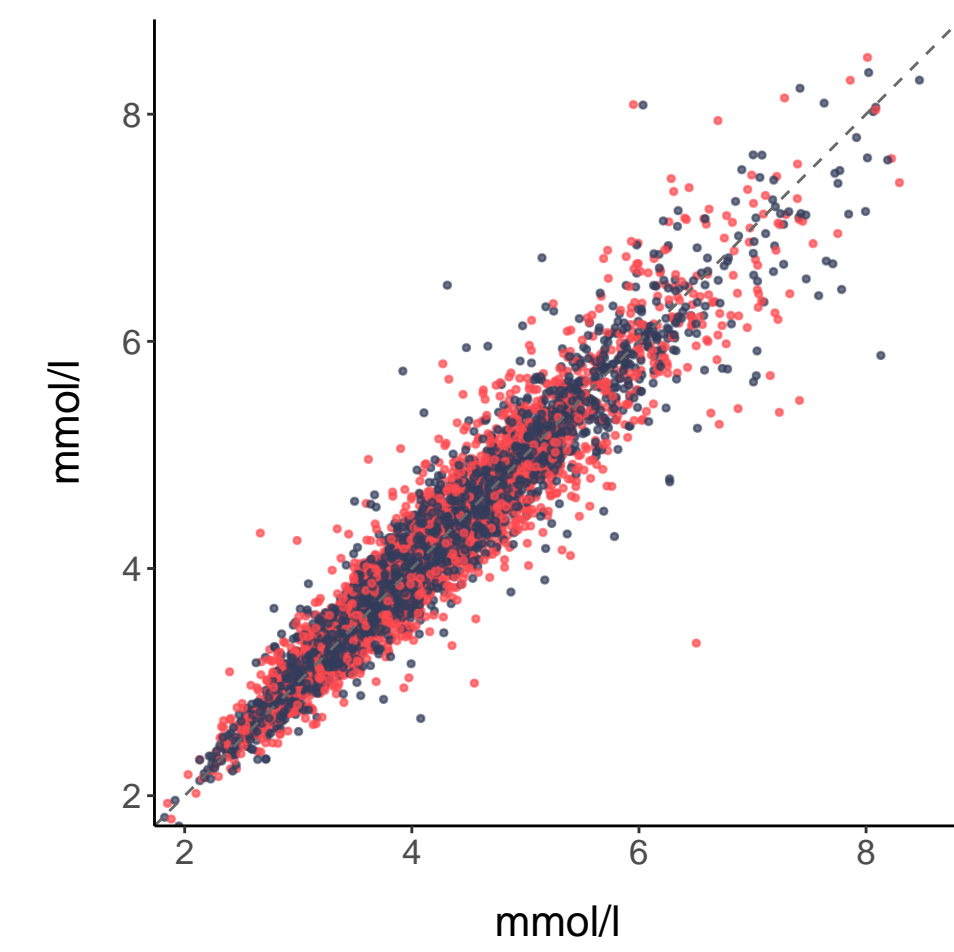


SFA

CV: 3.23%, R^2 : 0.91

Different spectrometers

● FALSE ● TRUE

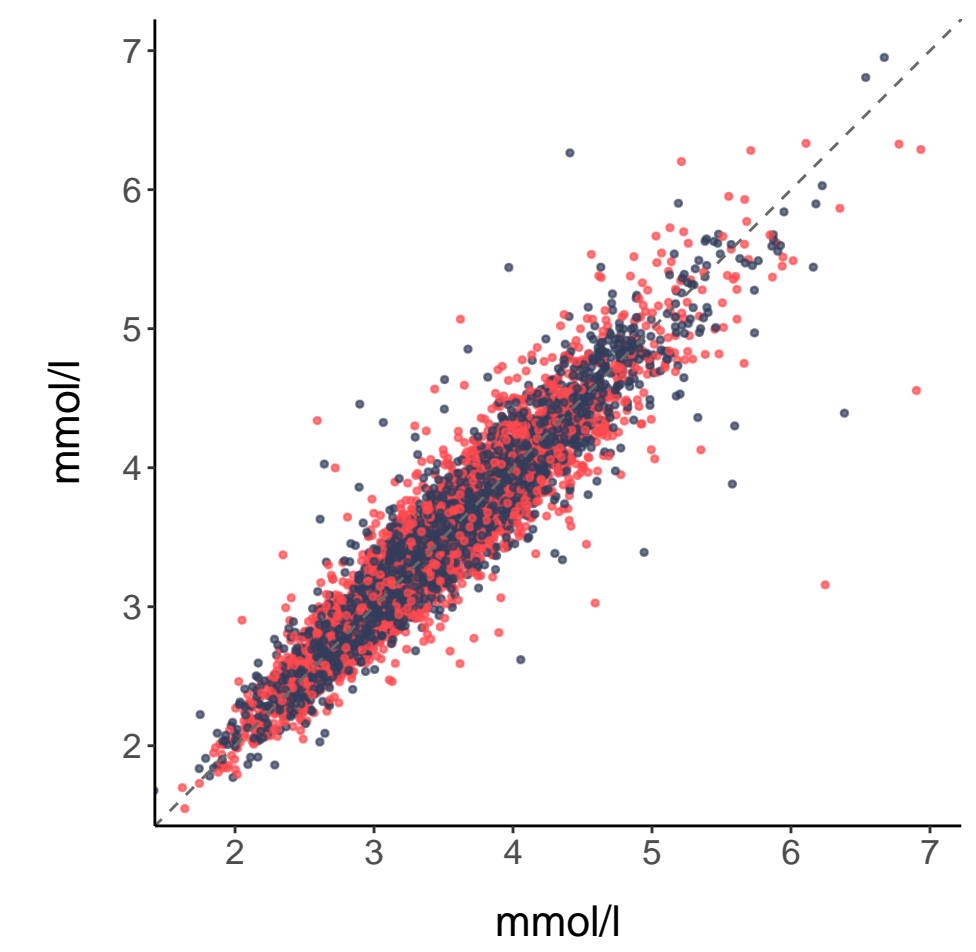


LA

CV: 3.41%, R^2 : 0.88

Different spectrometers

● FALSE ● TRUE

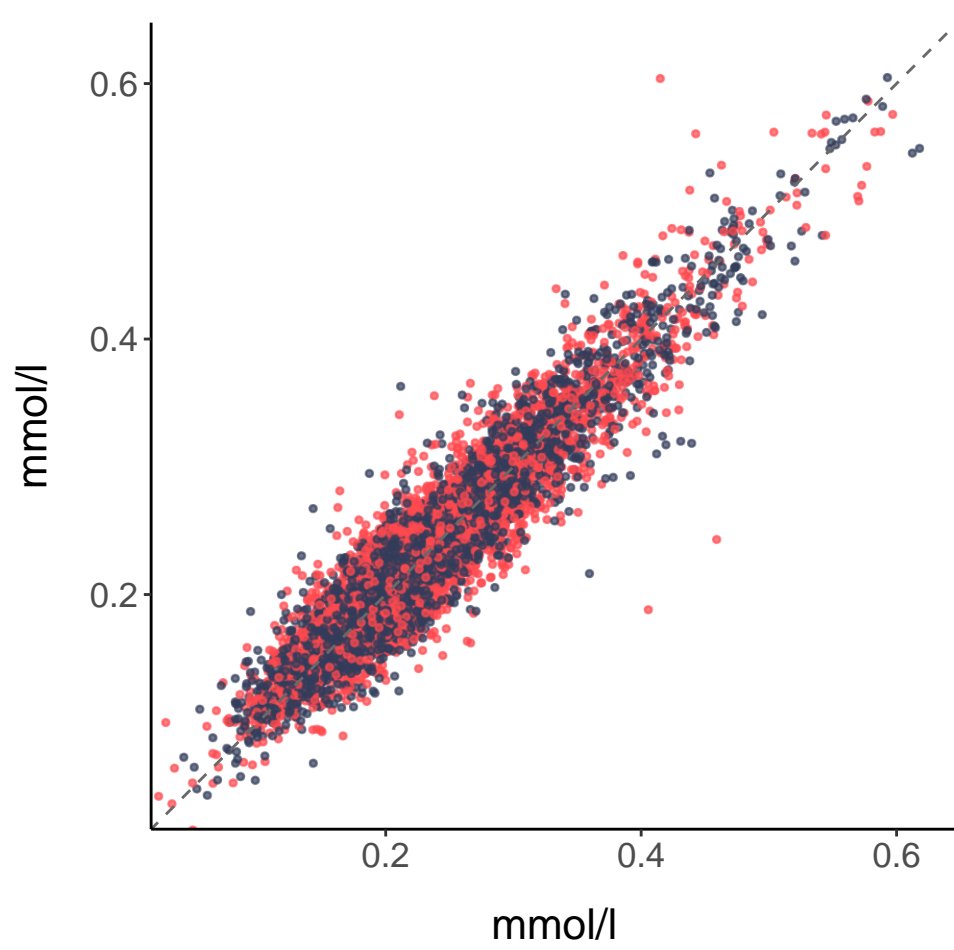


DHA

CV: 6.96%, R^2 : 0.88

Different spectrometers

● FALSE ● TRUE



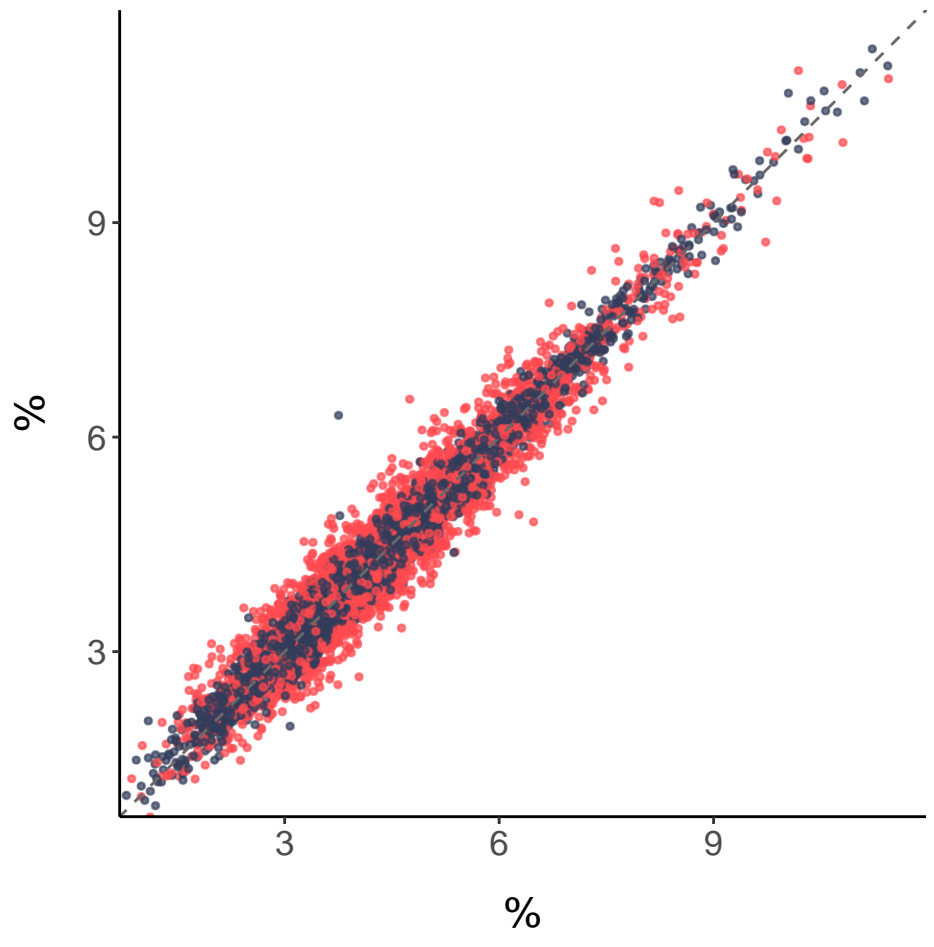
Fatty acid ratios

Omega_3_pct

CV: 4.39%, R^2 : 0.95

Different spectrometers

● FALSE ● TRUE

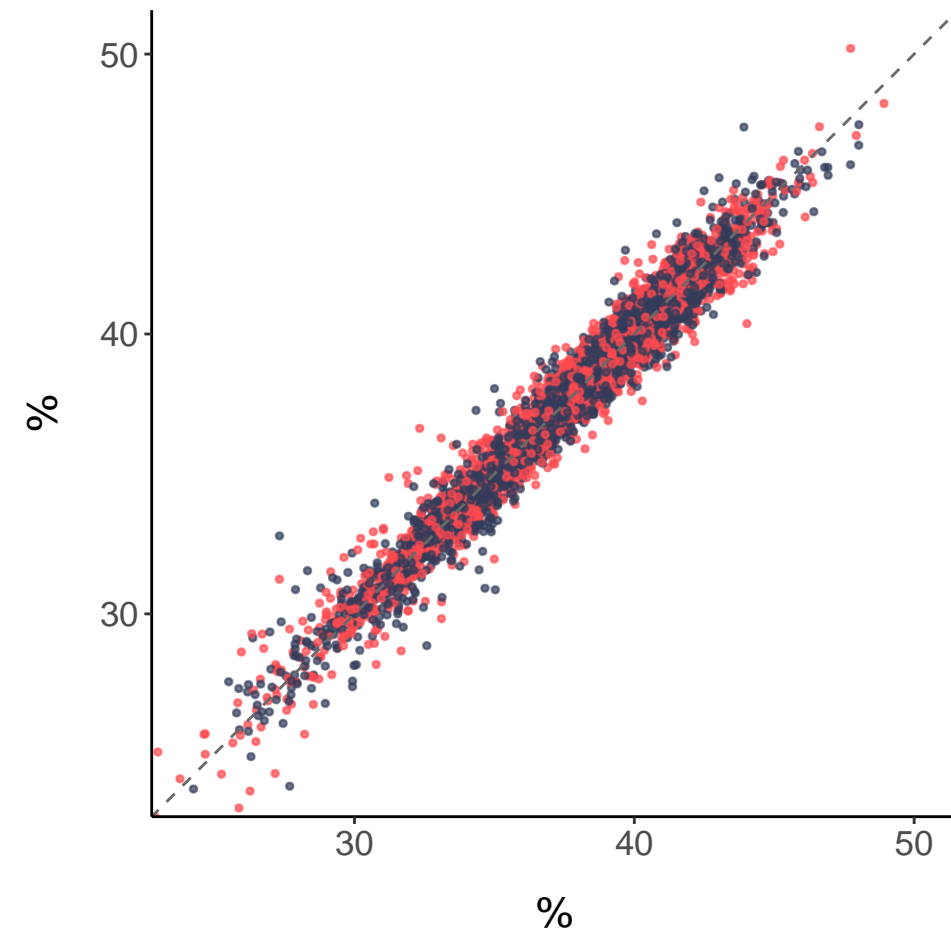


Omega_6_pct

CV: 1.03%, R^2 : 0.96

Different spectrometers

● FALSE ● TRUE

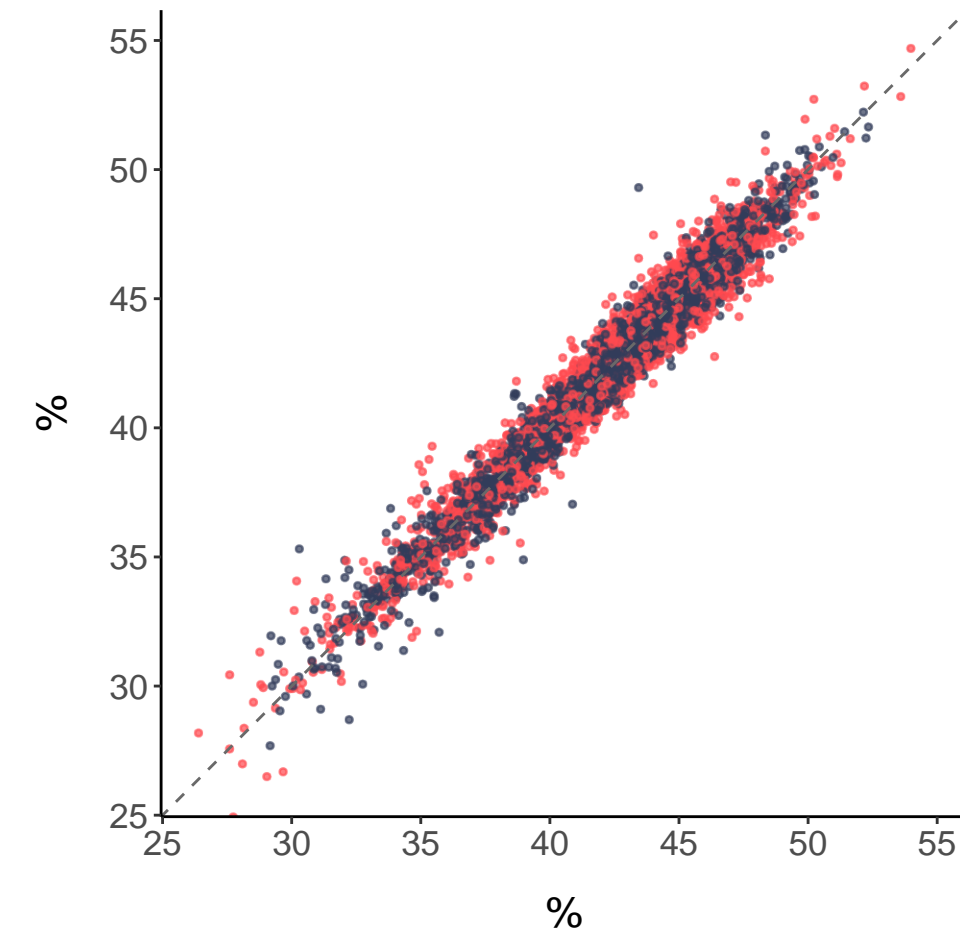


PUFA_pct

CV: 0.95%, R^2 : 0.96

Different spectrometers

● FALSE ● TRUE

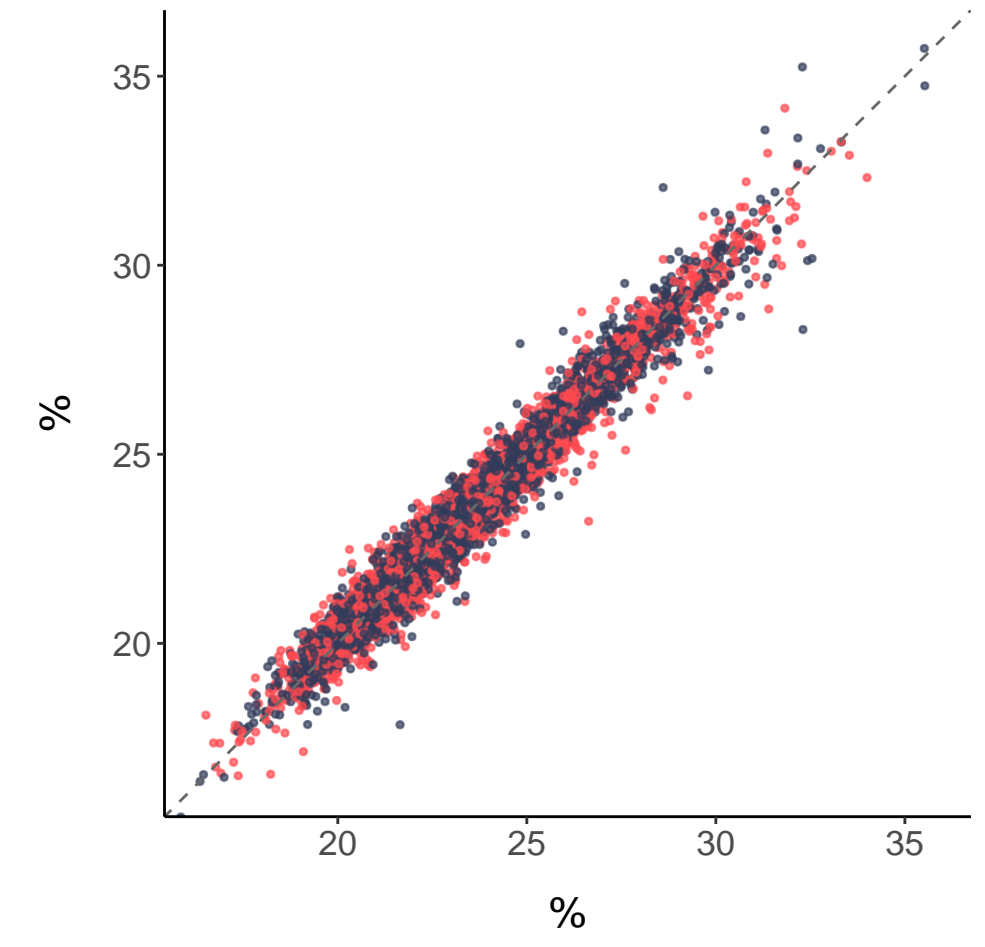


MUFA_pct

CV: 1.17%, R^2 : 0.96

Different spectrometers

● FALSE ● TRUE

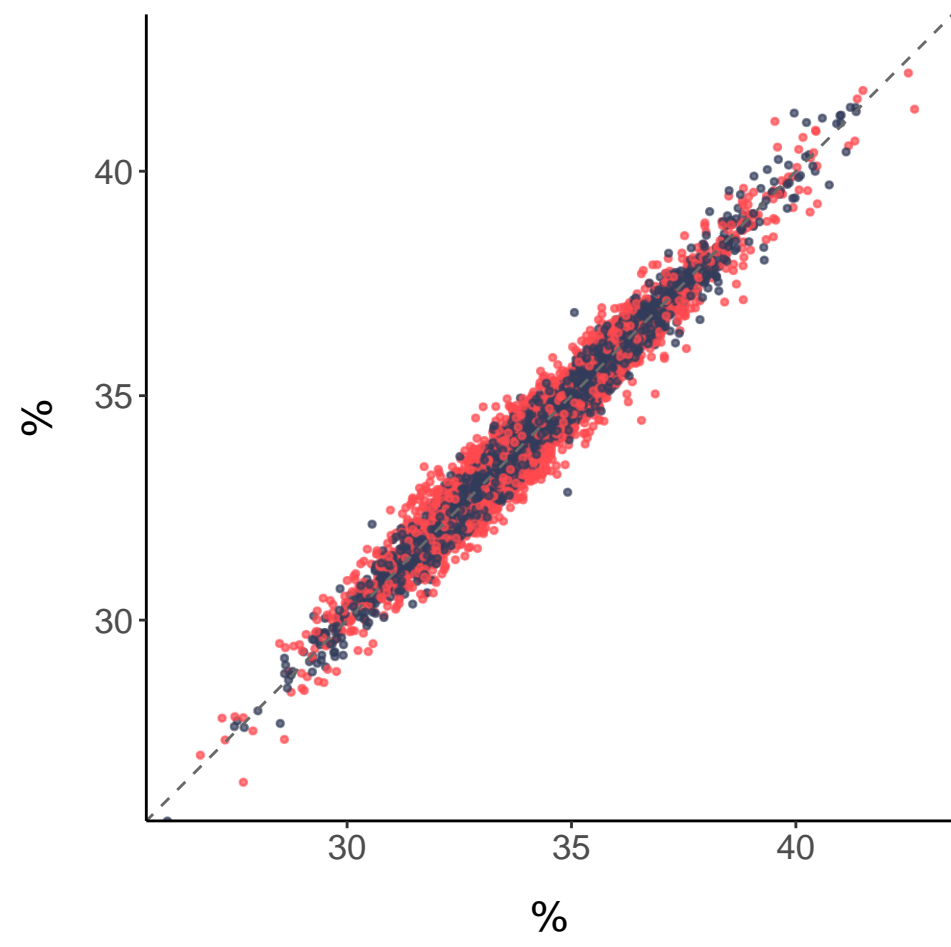


SFA_pct

CV: 0.64%, R^2 : 0.96

Different spectrometers

● FALSE ● TRUE

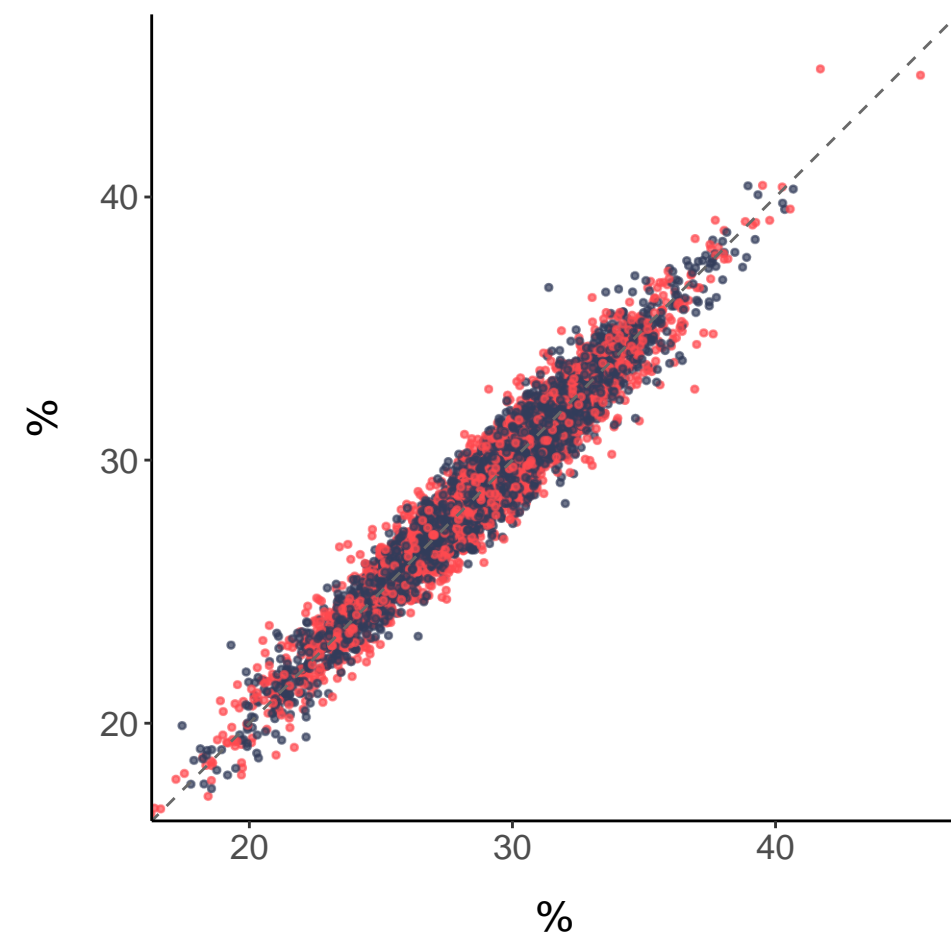


LA_pct

CV: 1.67%, R^2 : 0.94

Different spectrometers

● FALSE ● TRUE

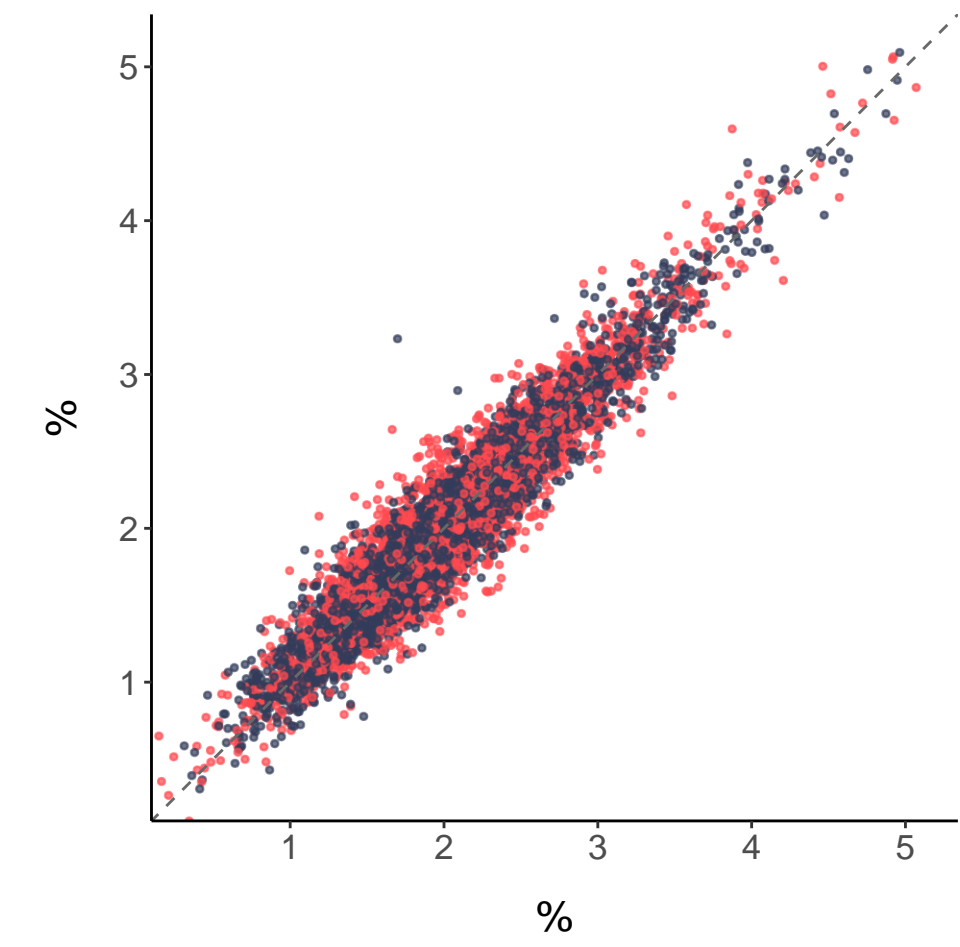


DHA_pct

CV: 6.11%, R^2 : 0.9

Different spectrometers

● FALSE ● TRUE

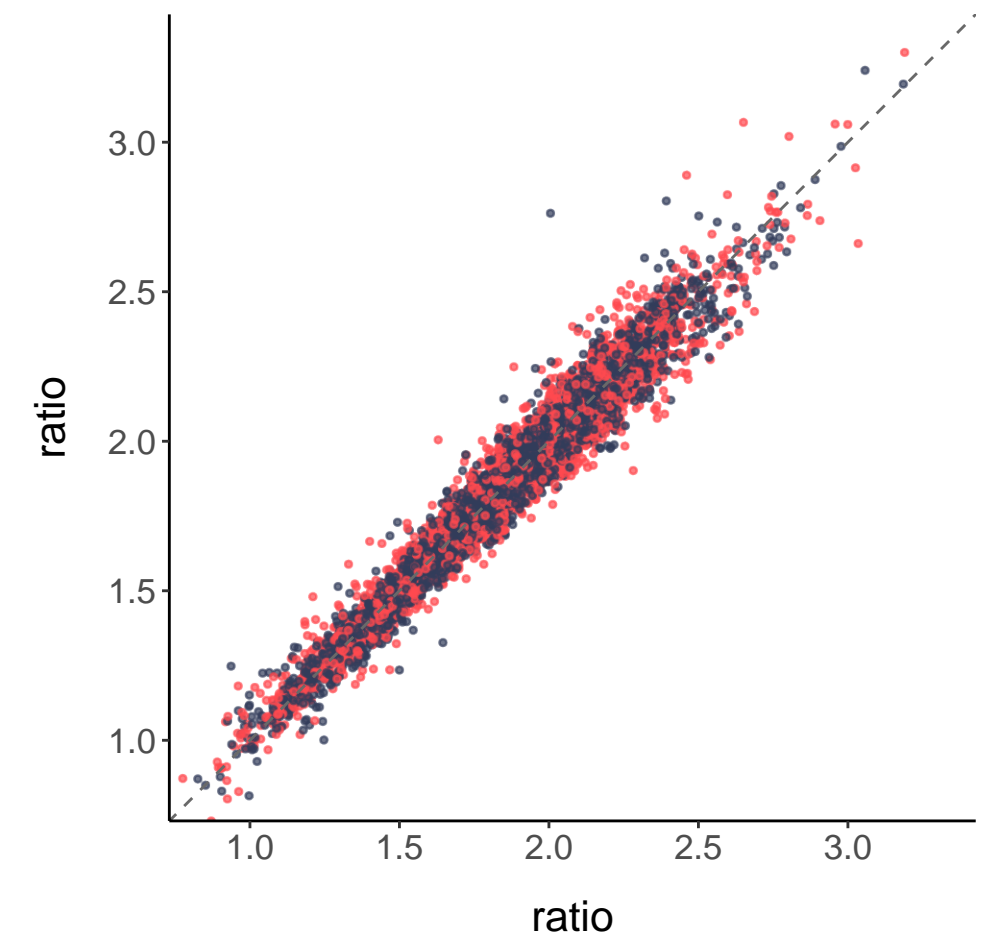


PUFA_by_MUFA

CV: 2.04%, R^2 : 0.96

Different spectrometers

● FALSE ● TRUE

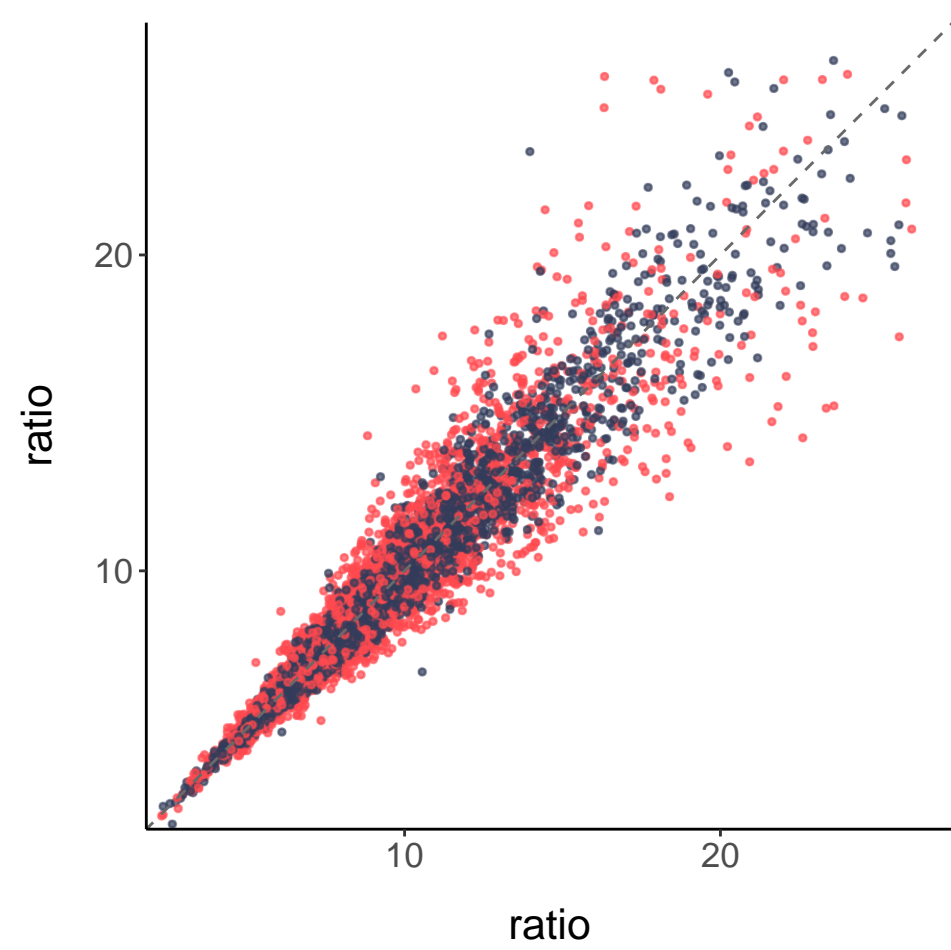


Omega_6_by_Omega_3

CV: 4.64%, R^2 : 0.9

Different spectrometers

● FALSE ● TRUE



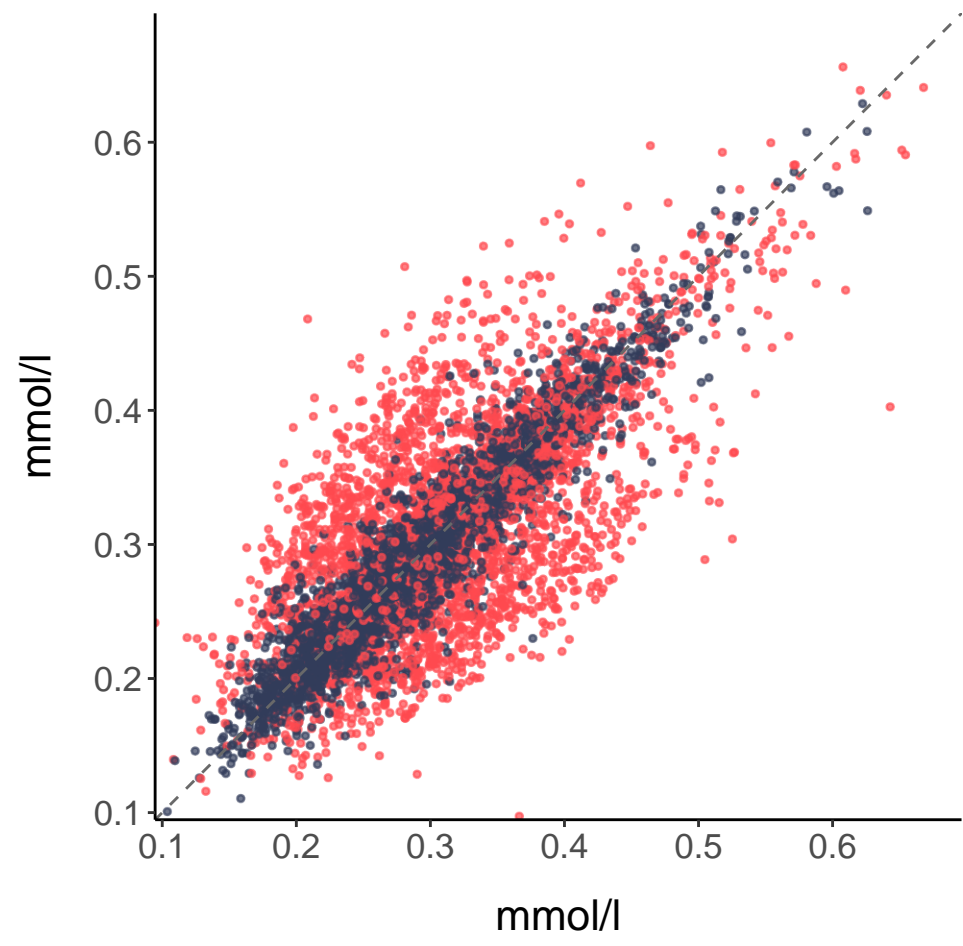
Amino acids

Ala

CV: 8.43%, R^2 : 0.64

Different spectrometers

● FALSE ● TRUE

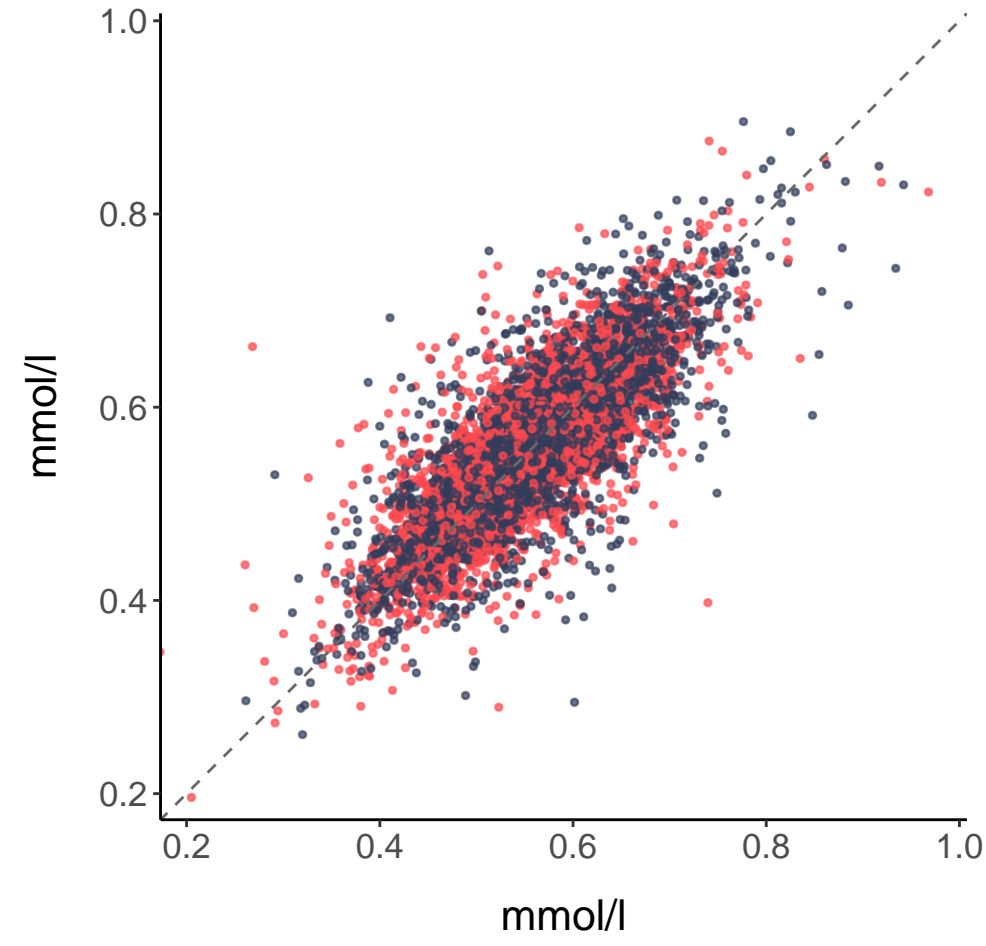


Gln

CV: 5.09%, R^2 : 0.63

Different spectrometers

● FALSE ● TRUE

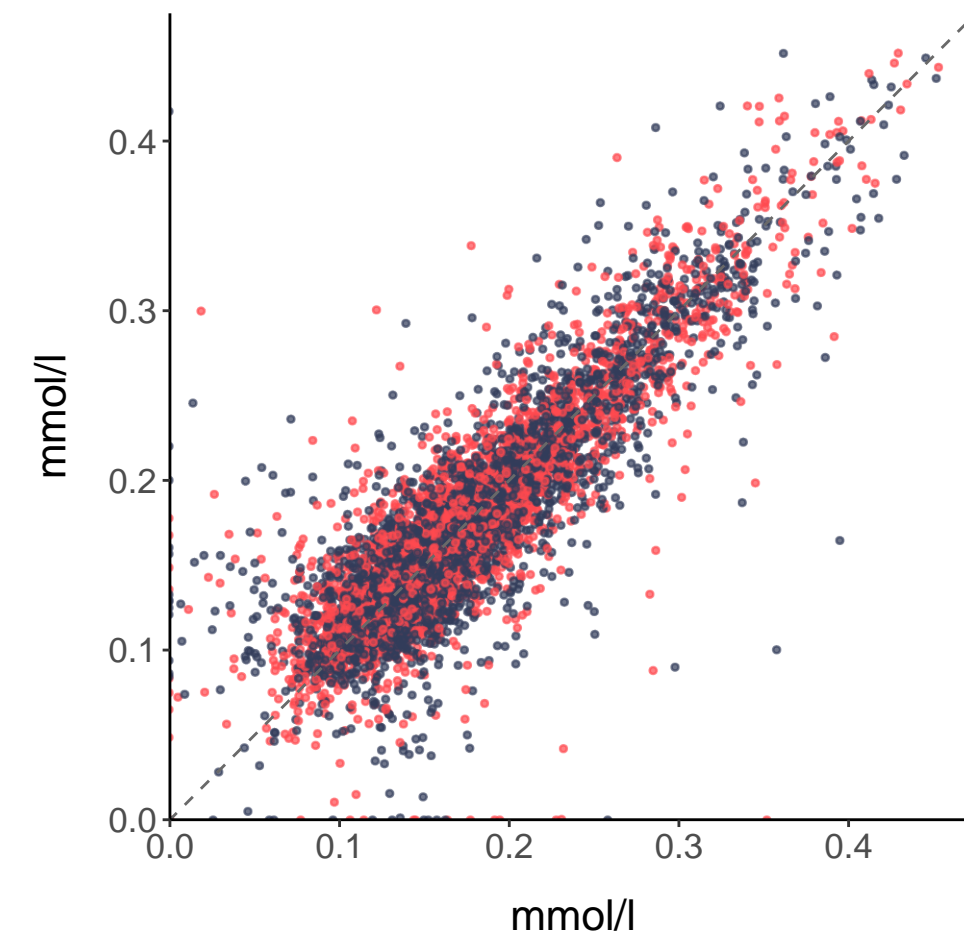


Gly

CV: 10.68%, R^2 : 0.75

Different spectrometers

● FALSE ● TRUE

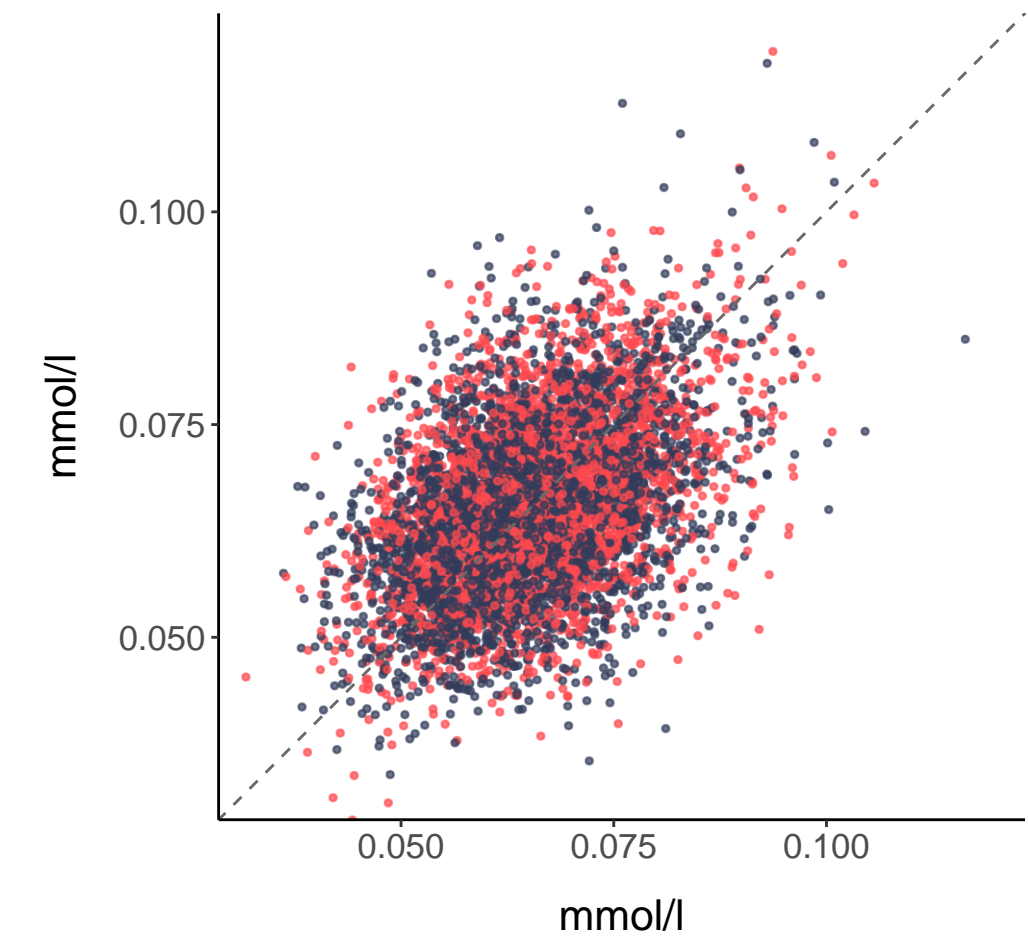


His

CV: 9.23%, R^2 : 0.2

Different spectrometers

● FALSE ● TRUE

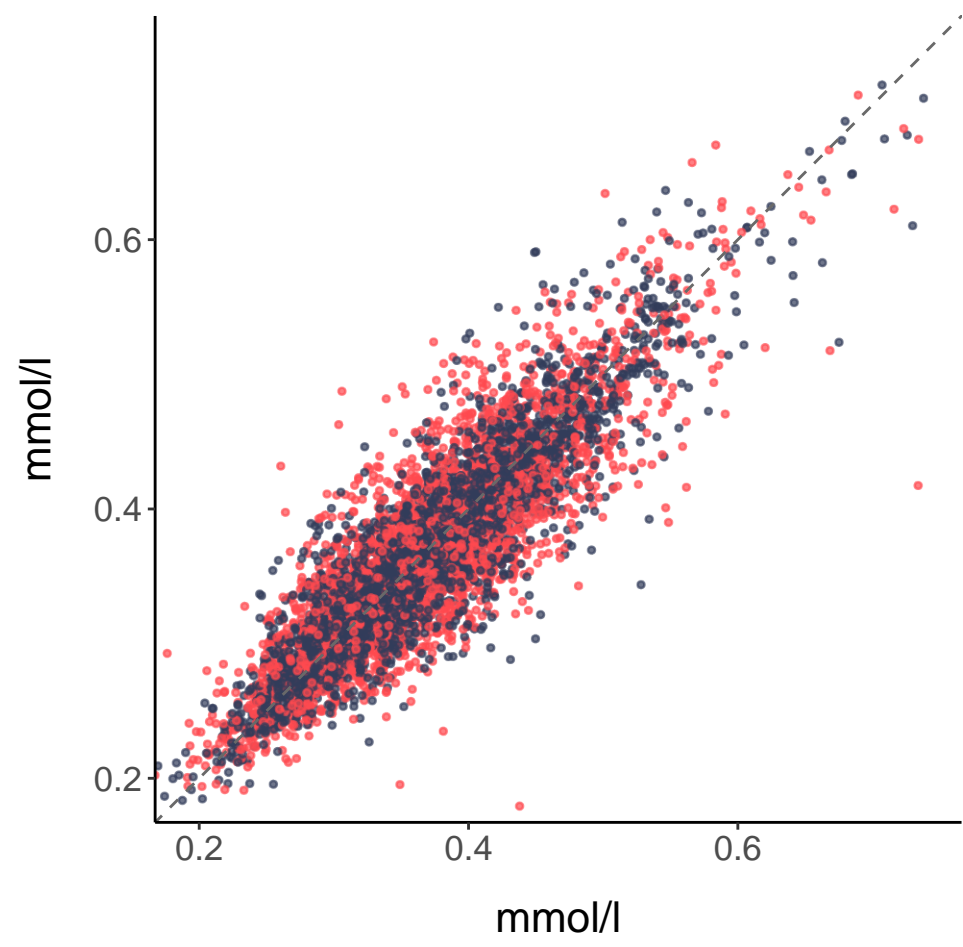


Ala_corrected

CV: 5.09%, R^2 : 0.79

Different spectrometers

● FALSE ● TRUE



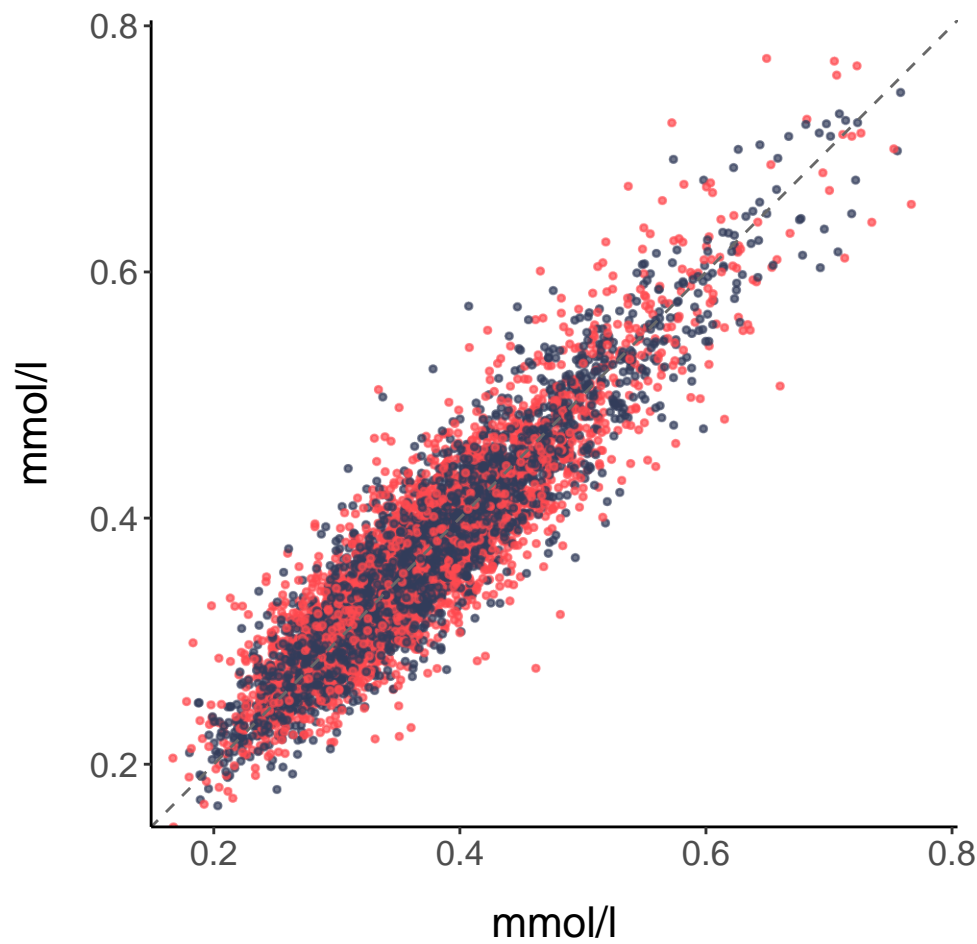
Branched-chain amino acids

Total_BCAA

CV: 5.08%, R^2 : 0.84

Different spectrometers

● FALSE ● TRUE

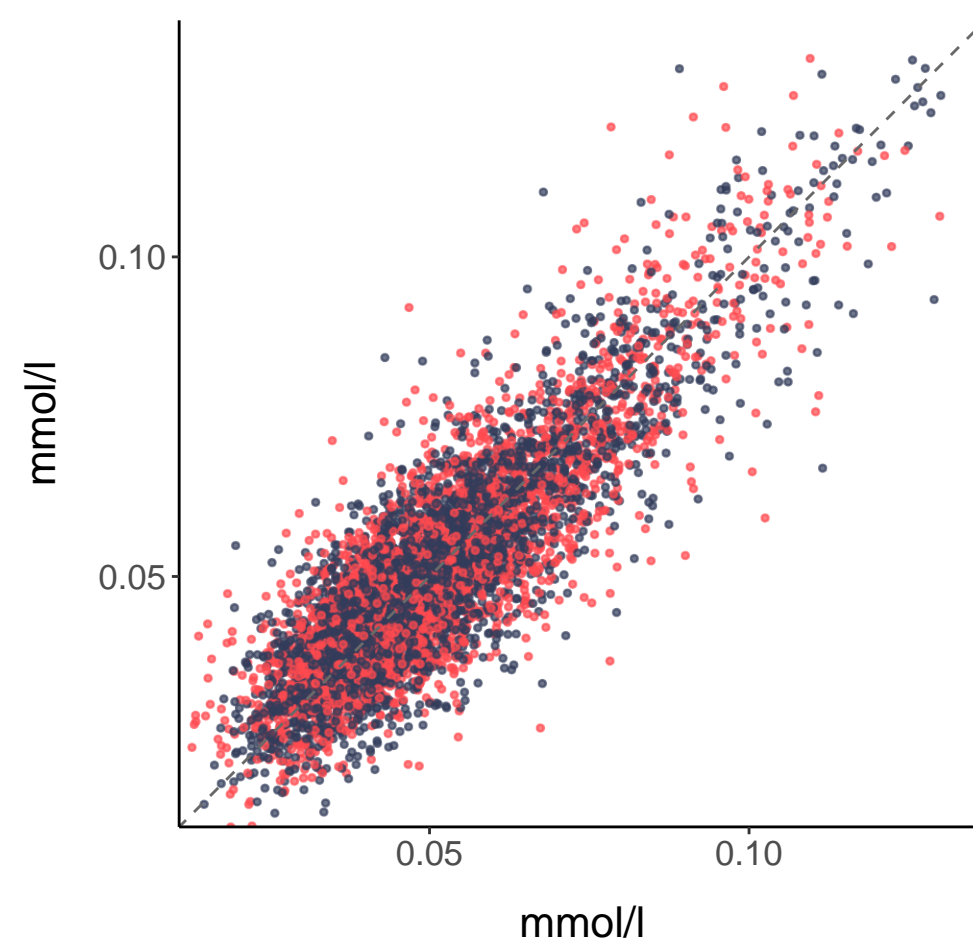


Ile

CV: 10.06%, R^2 : 0.75

Different spectrometers

● FALSE ● TRUE

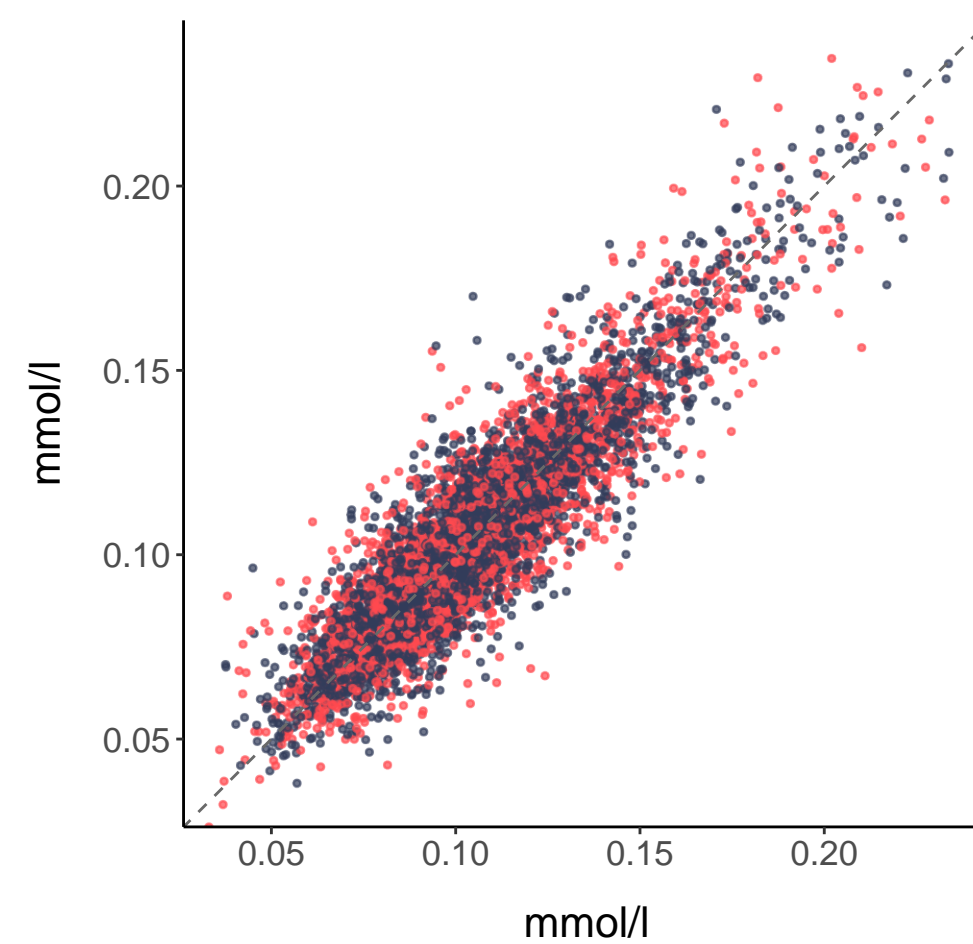


Leu

CV: 6.31%, R^2 : 0.82

Different spectrometers

● FALSE ● TRUE

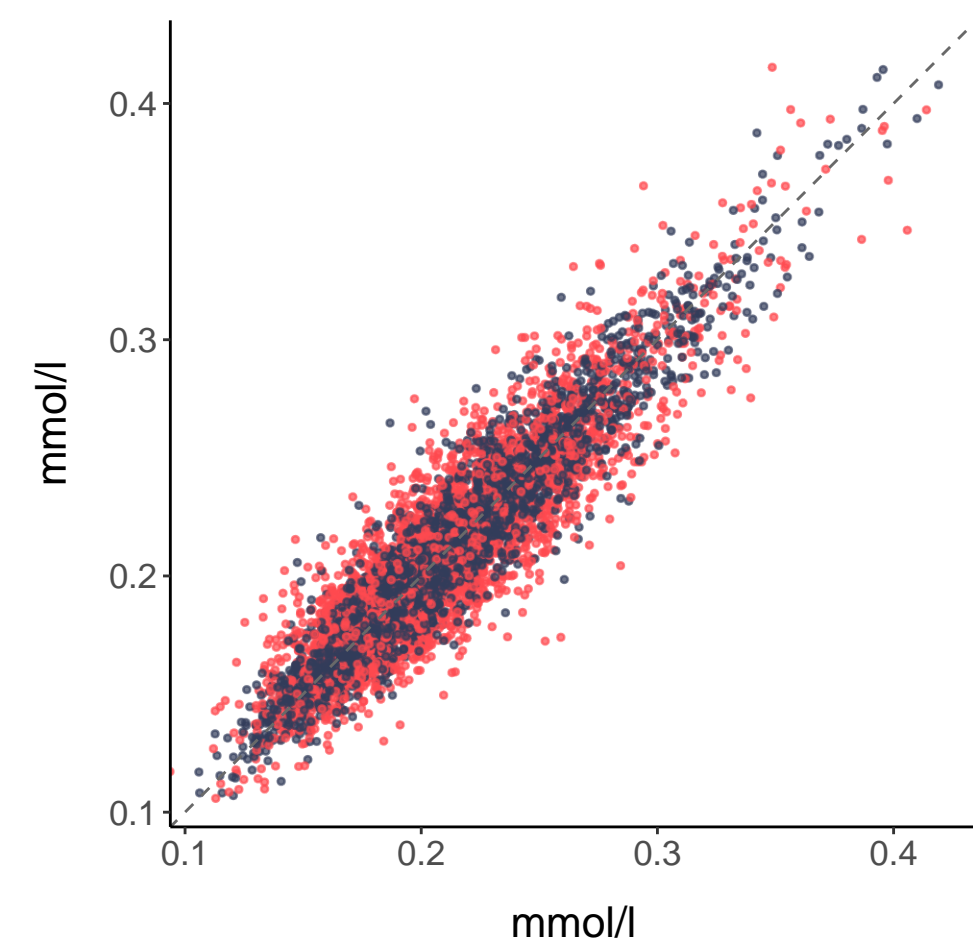


Val

CV: 4.45%, R^2 : 0.84

Different spectrometers

● FALSE ● TRUE



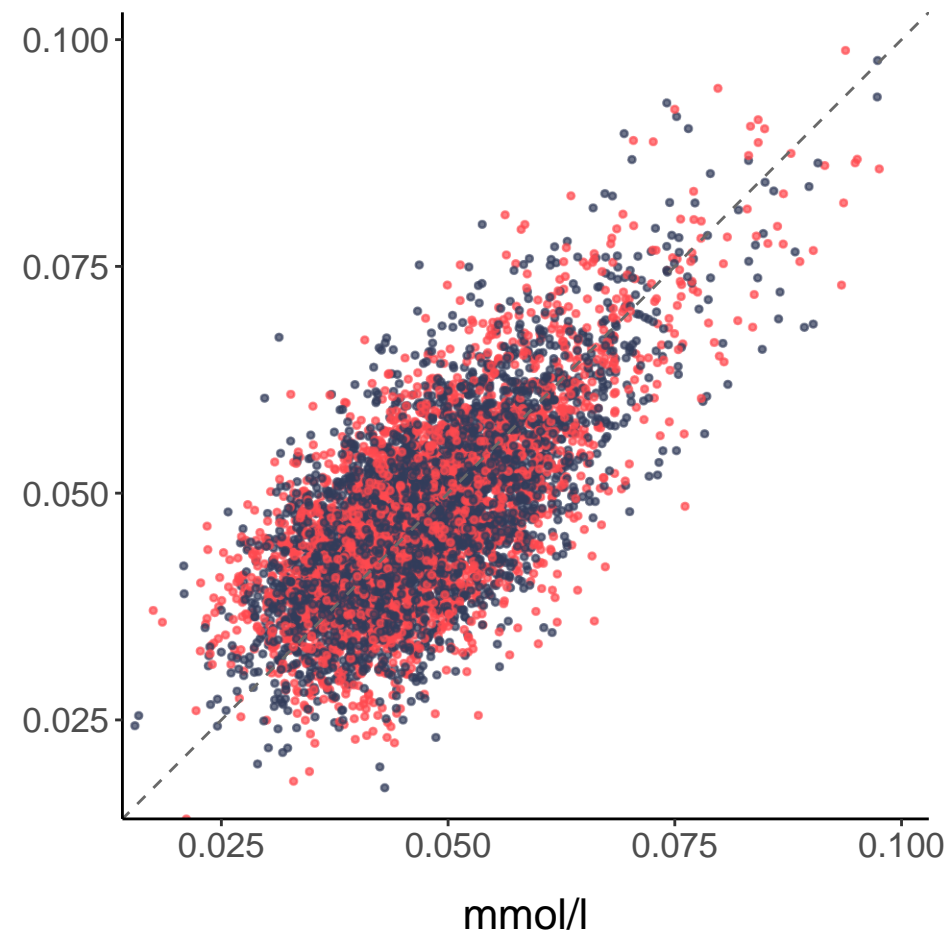
Aromatic amino acids

Phe

CV: 9.87%, R^2 : 0.49

Different spectrometers

● FALSE ● TRUE

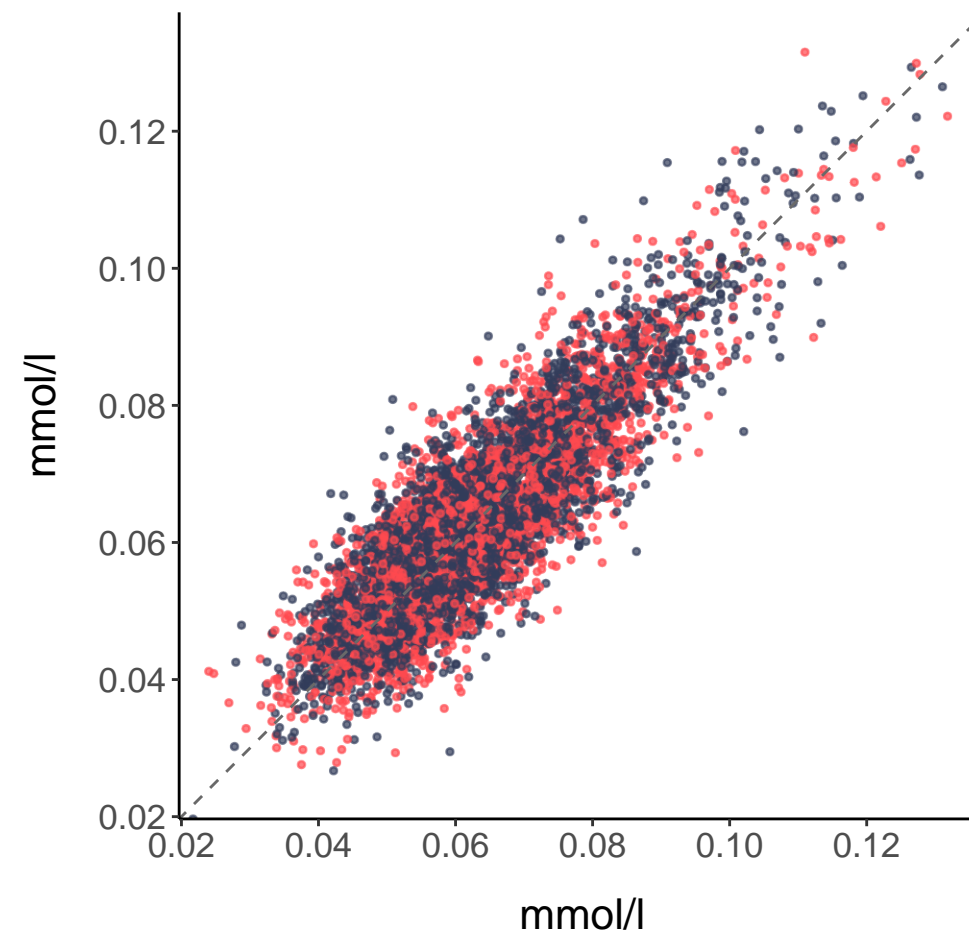


Tyr

CV: 6.65%, R^2 : 0.76

Different spectrometers

● FALSE ● TRUE



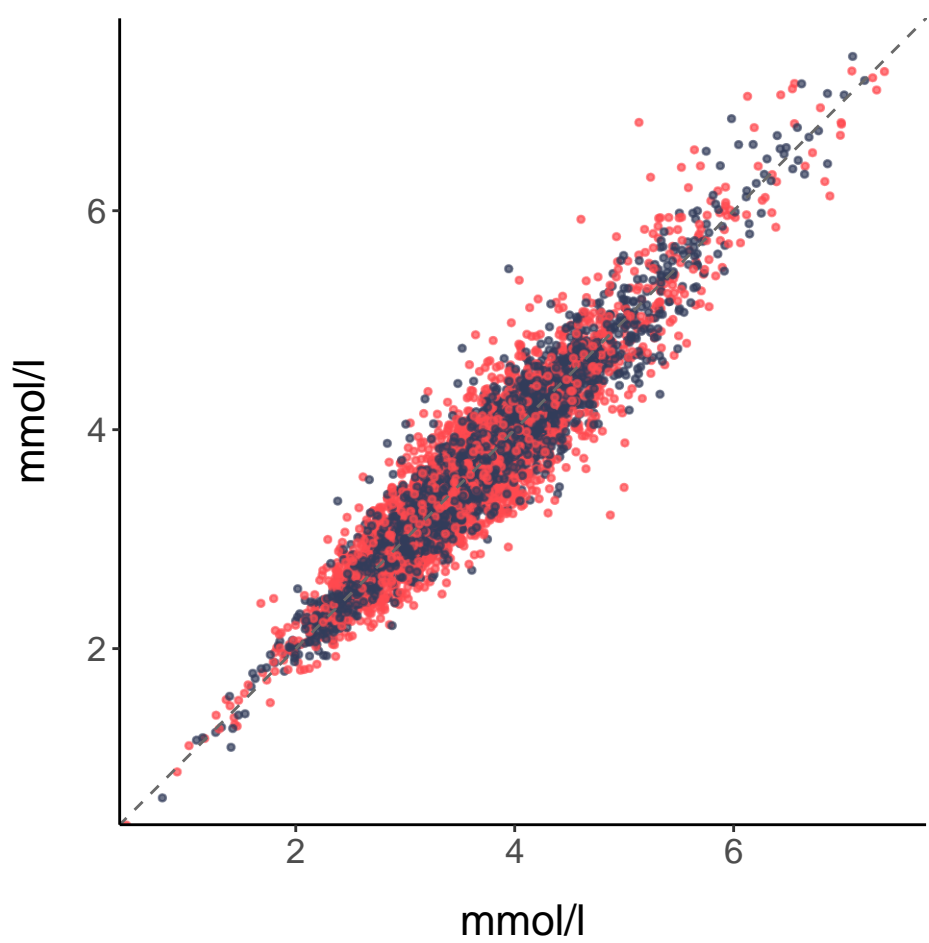
Glycolysis related metabolites

Glucose

CV: 4.04%, R^2 : 0.88

Different spectrometers

● FALSE ● TRUE

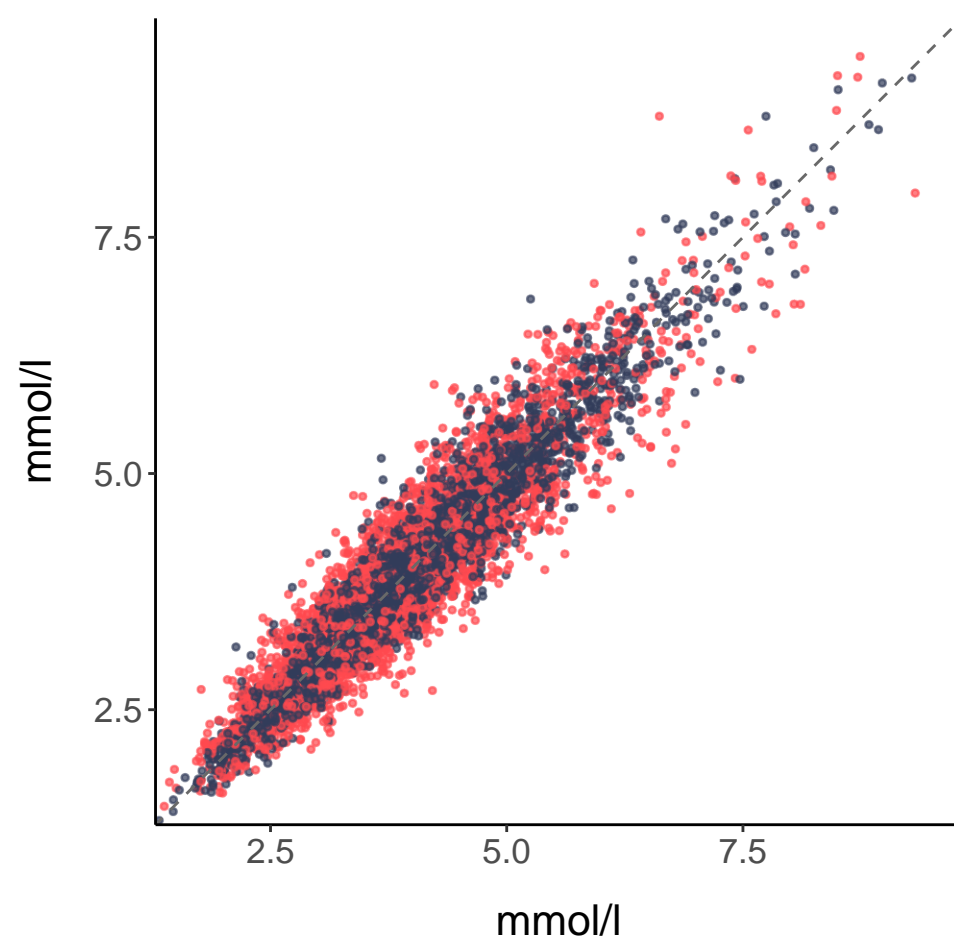


Lactate

CV: 5.12%, R^2 : 0.89

Different spectrometers

● FALSE ● TRUE

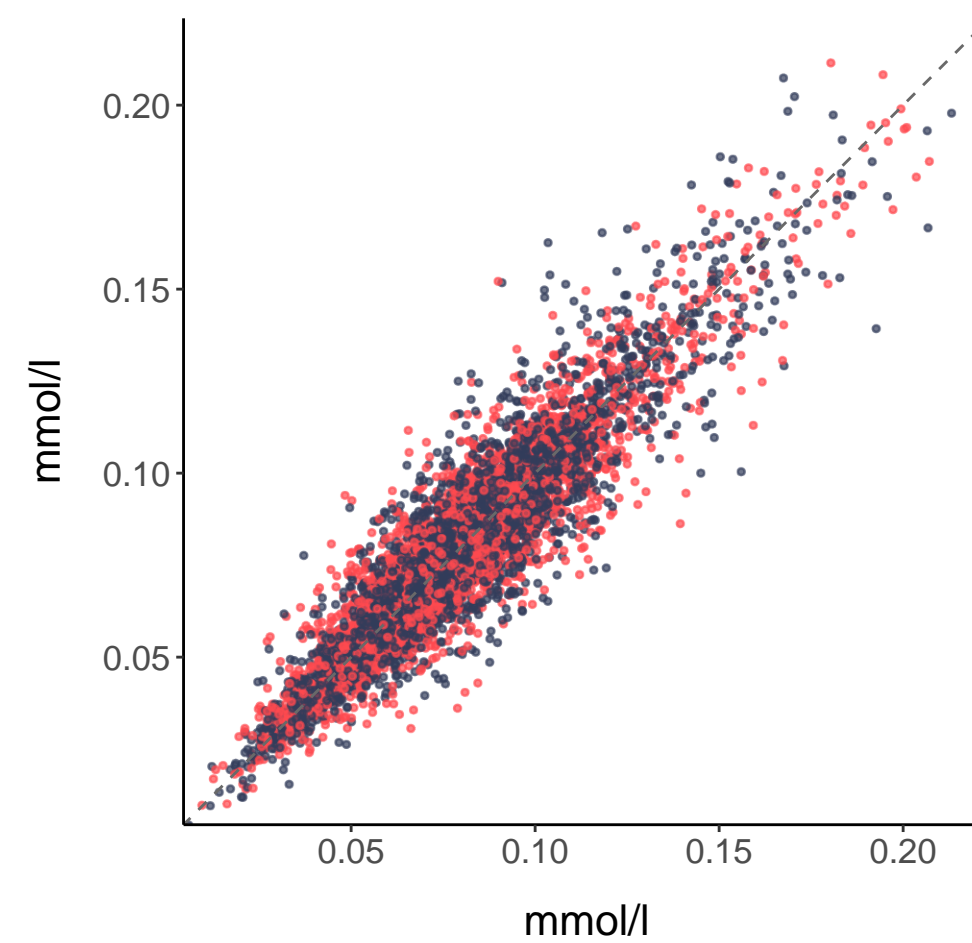


Pyruvate

CV: 7.5%, R^2 : 0.85

Different spectrometers

● FALSE ● TRUE

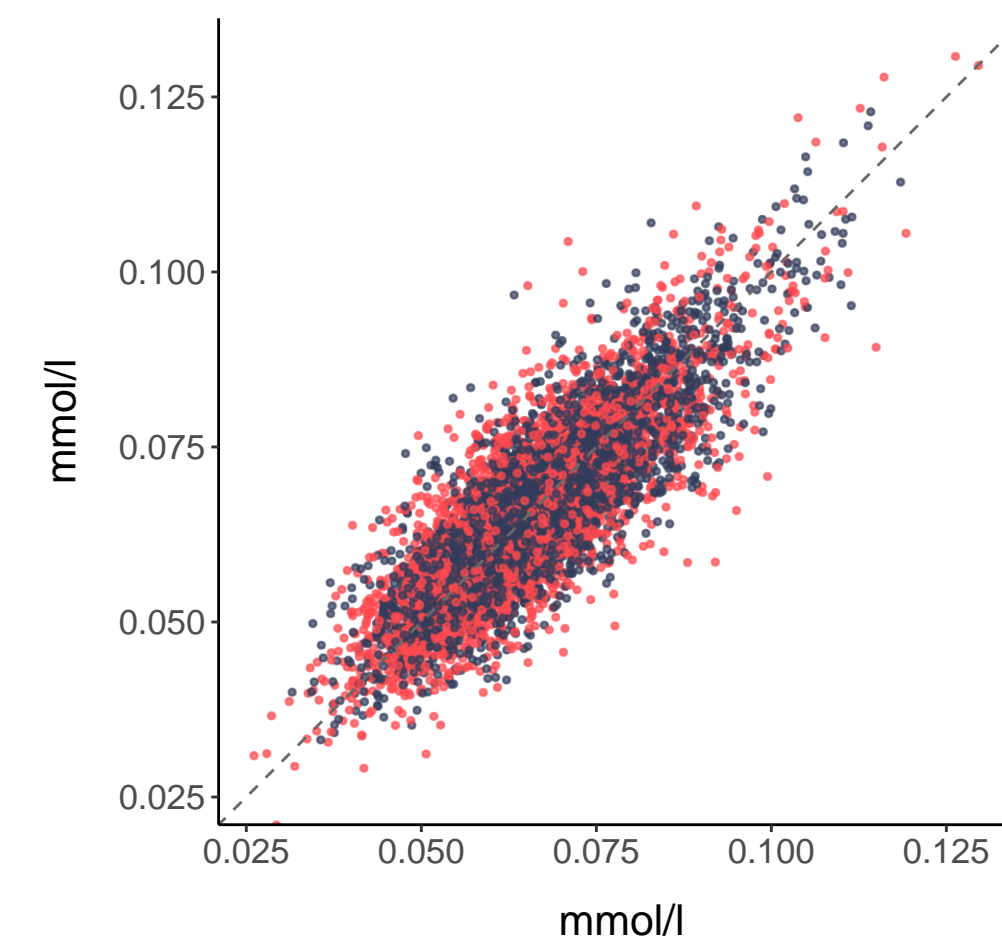


Citrate

CV: 6.26%, R^2 : 0.7

Different spectrometers

● FALSE ● TRUE

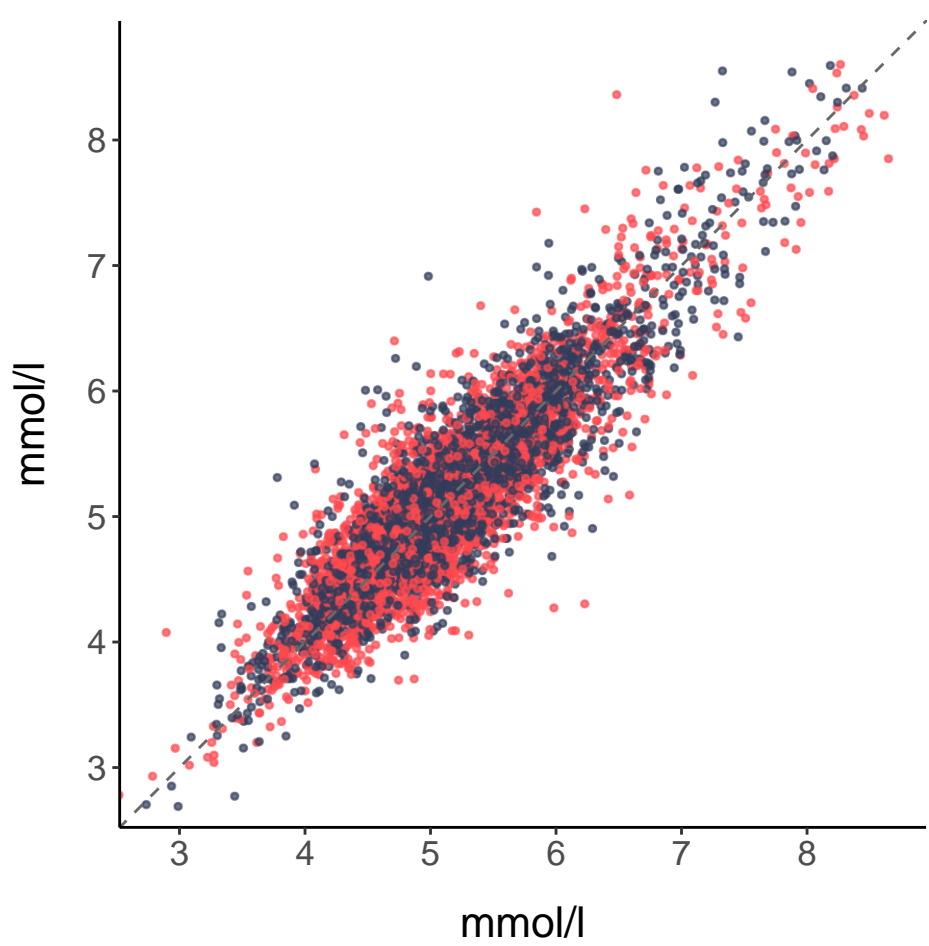


Glucose_Lactate

CV: 3.57%, R^2 : 0.81

Different spectrometers

● FALSE ● TRUE



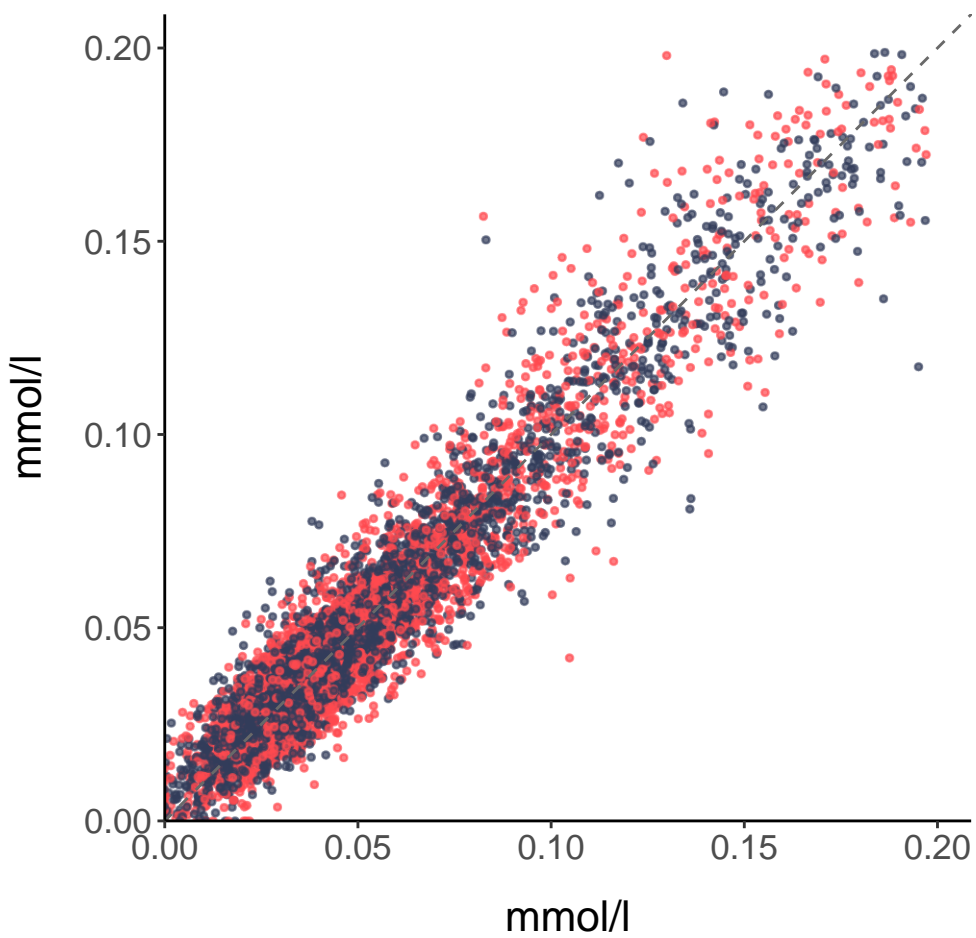
Ketone bodies

bOHbutyrate

CV: 13.69%, R^2 : 0.91

Different spectrometers

● FALSE ● TRUE

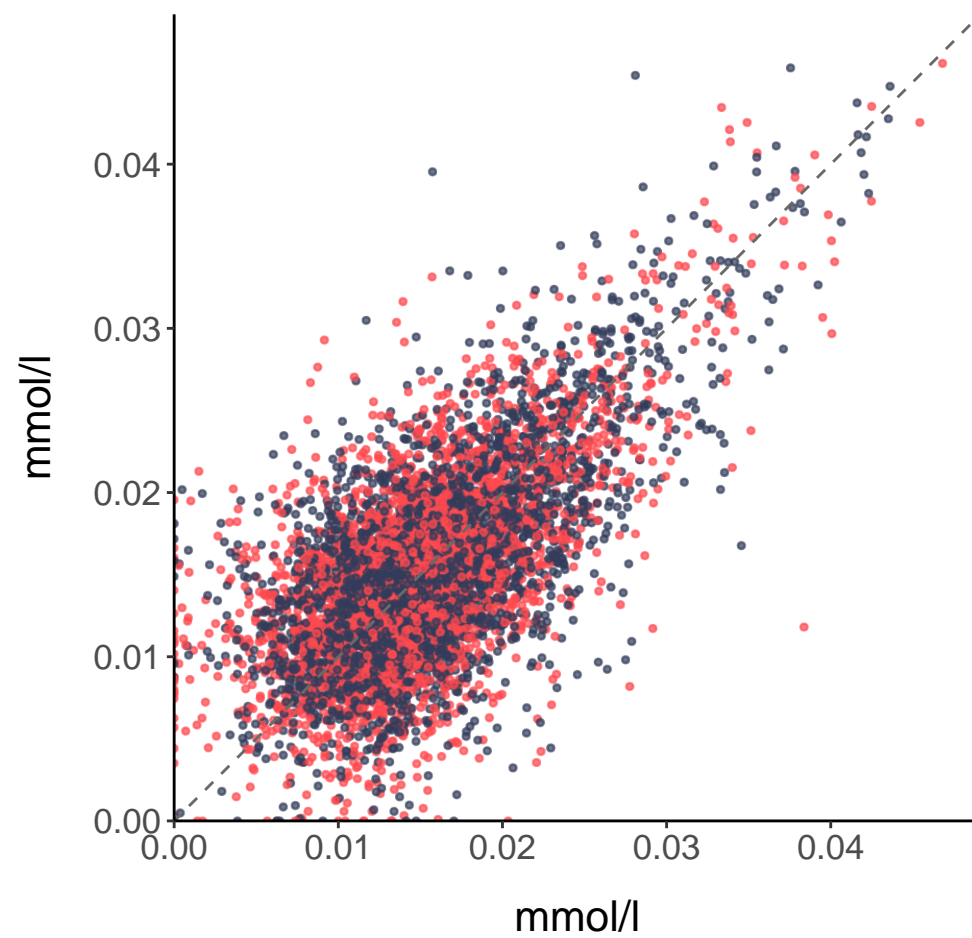


Acetate

CV: 21.26%, R^2 : 0.43

Different spectrometers

● FALSE ● TRUE

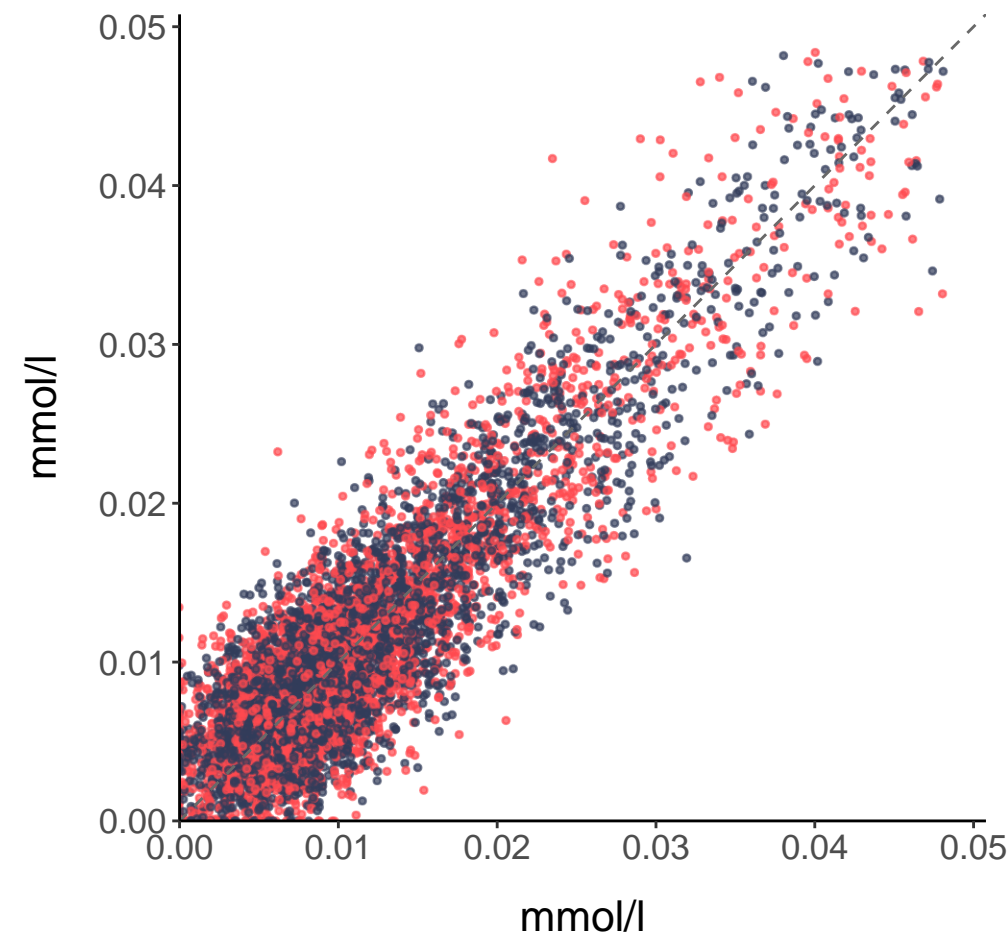


Acetoacetate

CV: 26.15%, R^2 : 0.8

Different spectrometers

● FALSE ● TRUE

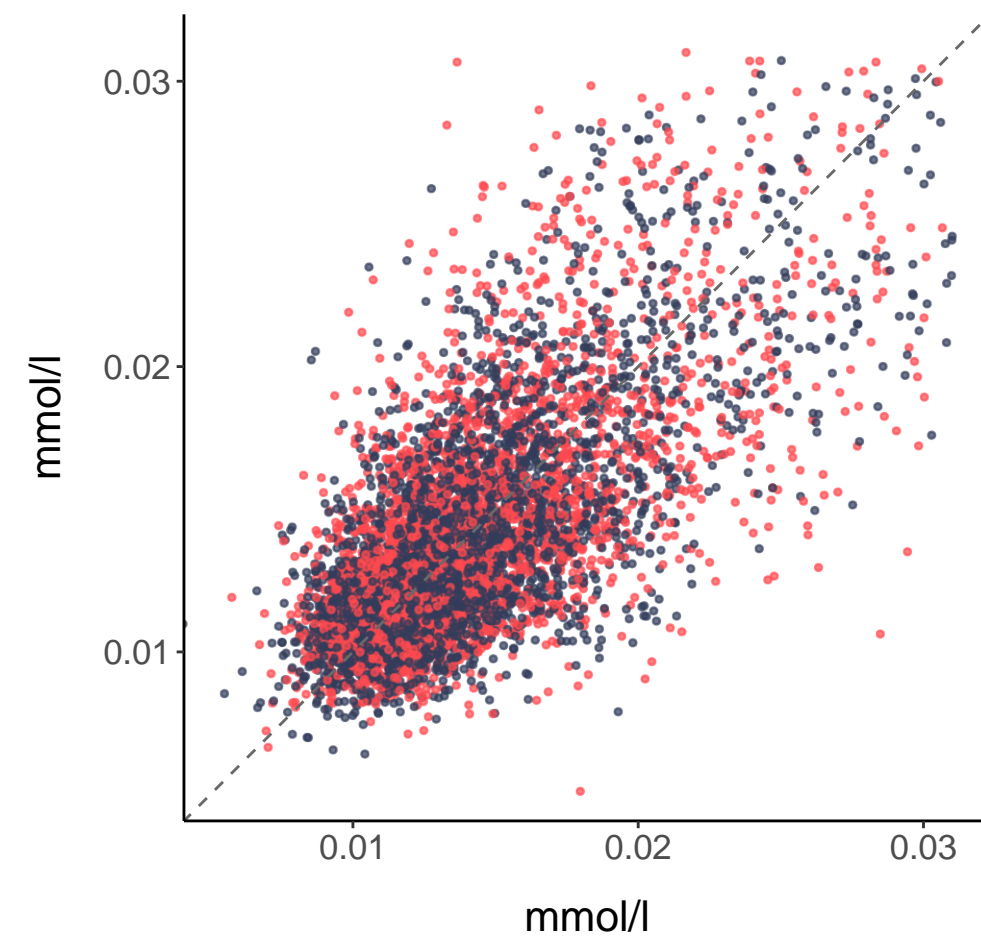


Acetone

CV: 11.82%, R^2 : 0.46

Different spectrometers

● FALSE ● TRUE



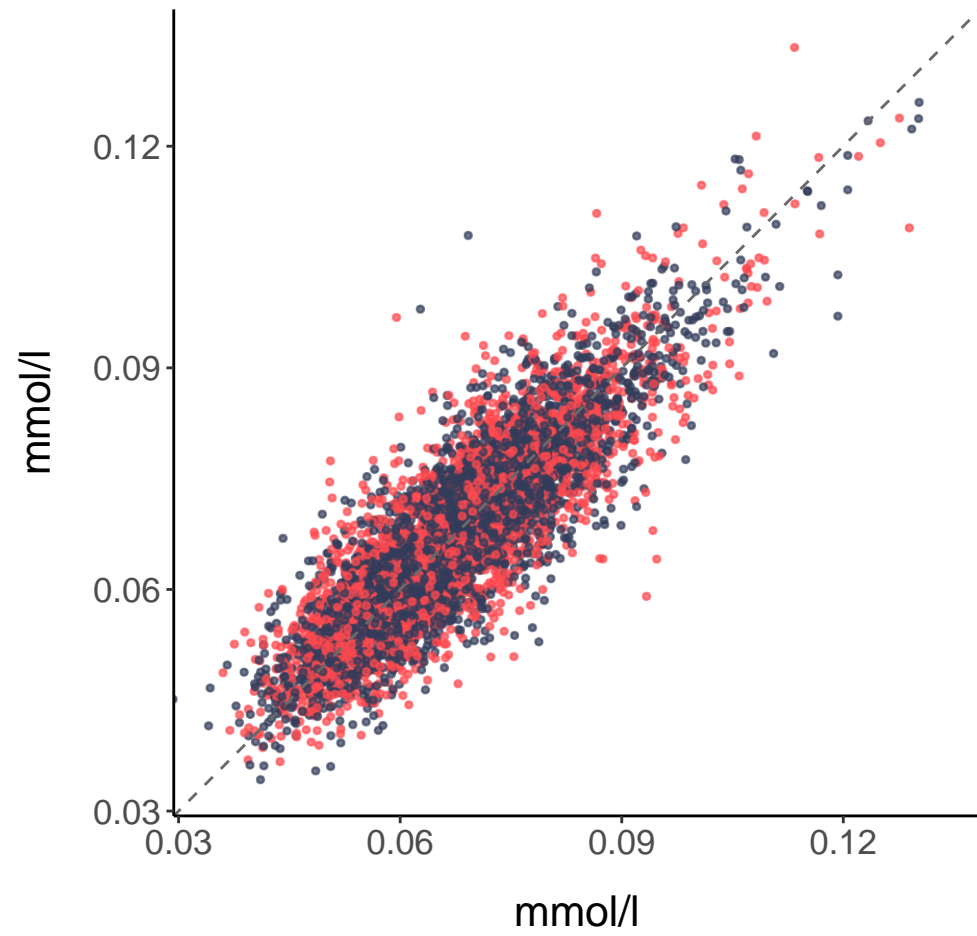
Fluid balance

Creatinine

CV: 5.44%, R^2 : 0.75

Different spectrometers

● FALSE ● TRUE

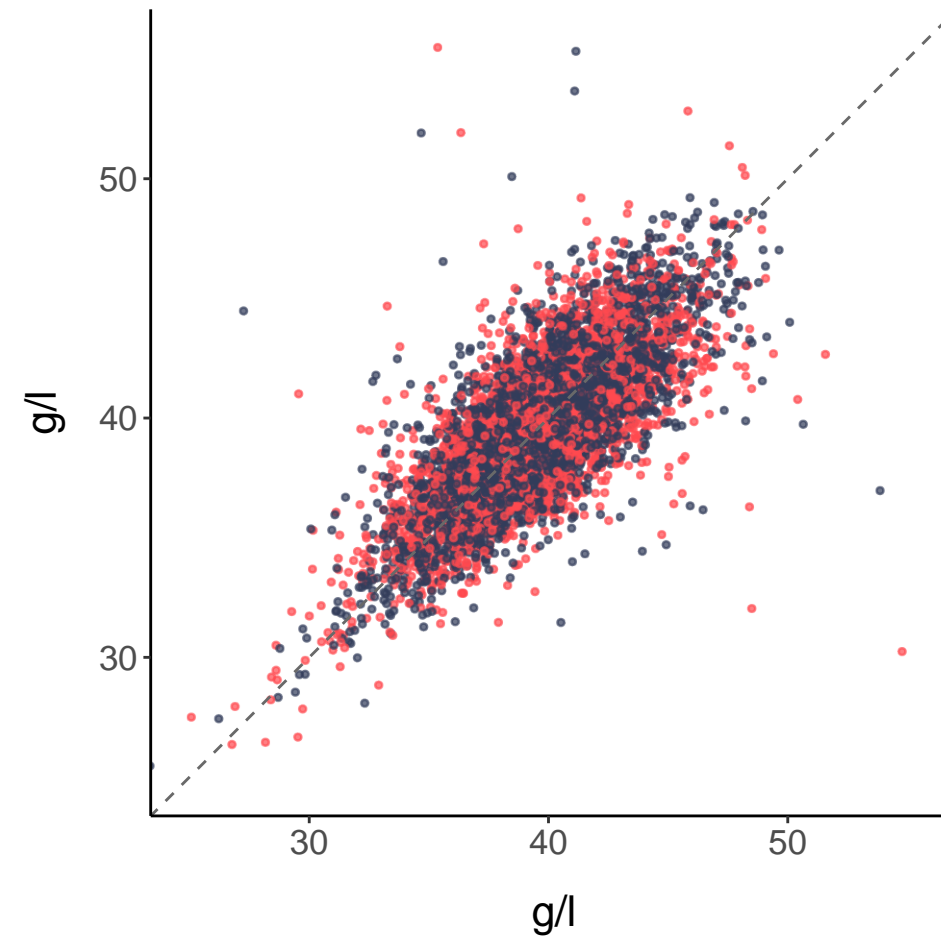


Albumin

CV: 3.03%, R^2 : 0.55

Different spectrometers

● FALSE ● TRUE



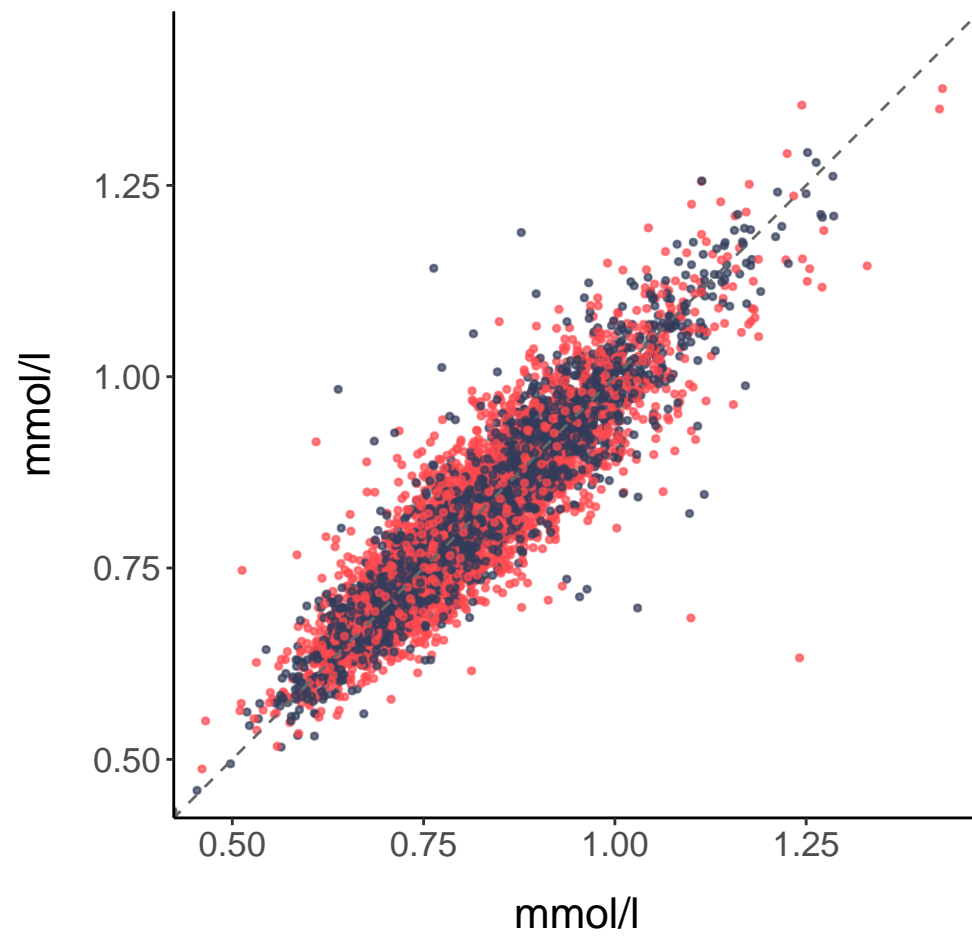
Inflammation

GlycA

CV: 3.12%, R^2 : 0.83

Different spectrometers

● FALSE ● TRUE



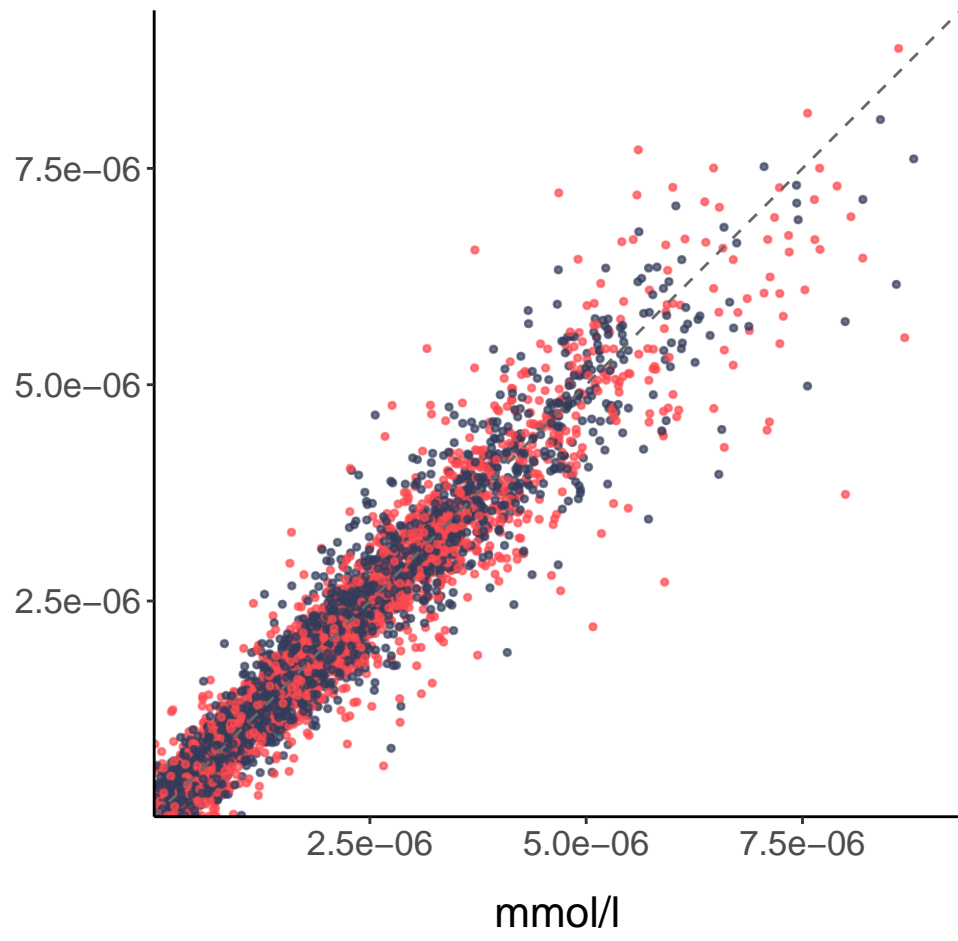
Chylomicrons and extremely large VLDL (particle diameters from 75 nm upwards)

XXL_VLDL_P

CV: 16.53%, R^2 : 0.94

Different spectrometers

● FALSE ● TRUE

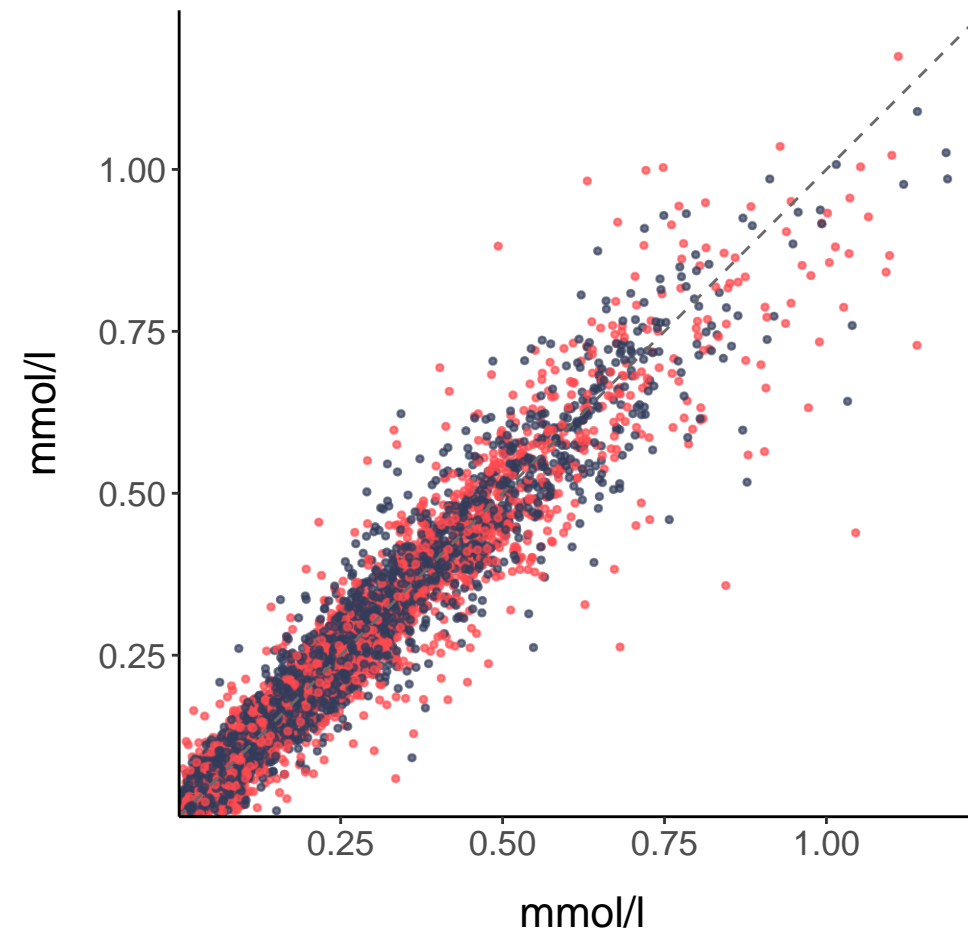


XXL_VLDL_L

CV: 15.47%, R^2 : 0.93

Different spectrometers

● FALSE ● TRUE

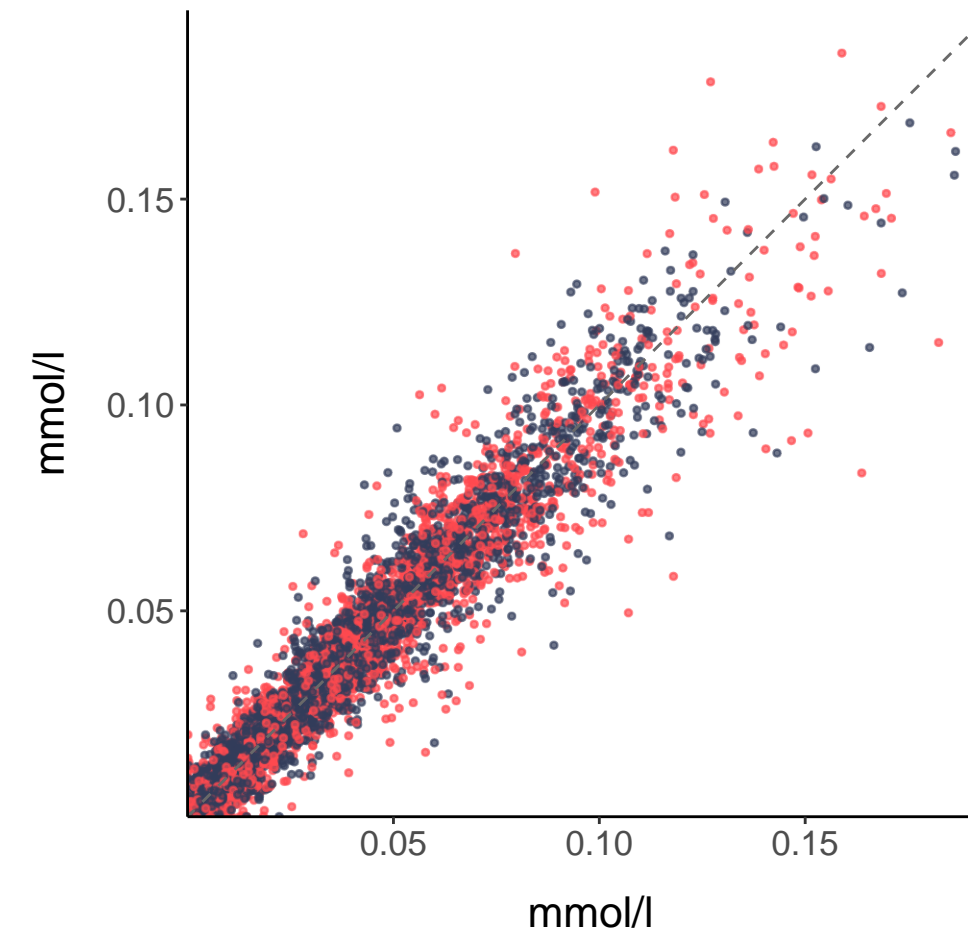


XXL_VLDL_PL

CV: 20.84%, R^2 : 0.93

Different spectrometers

● FALSE ● TRUE

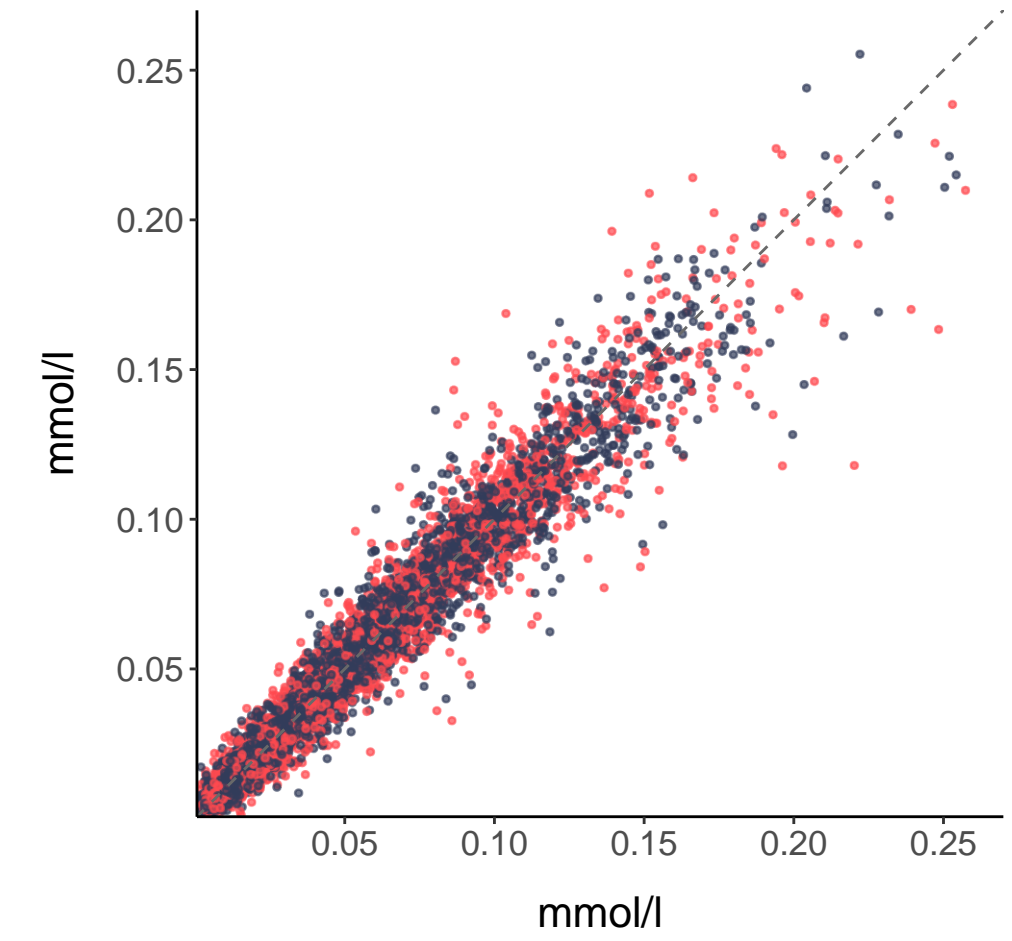


XXL_VLDL_C

CV: 11.03%, R^2 : 0.95

Different spectrometers

● FALSE ● TRUE

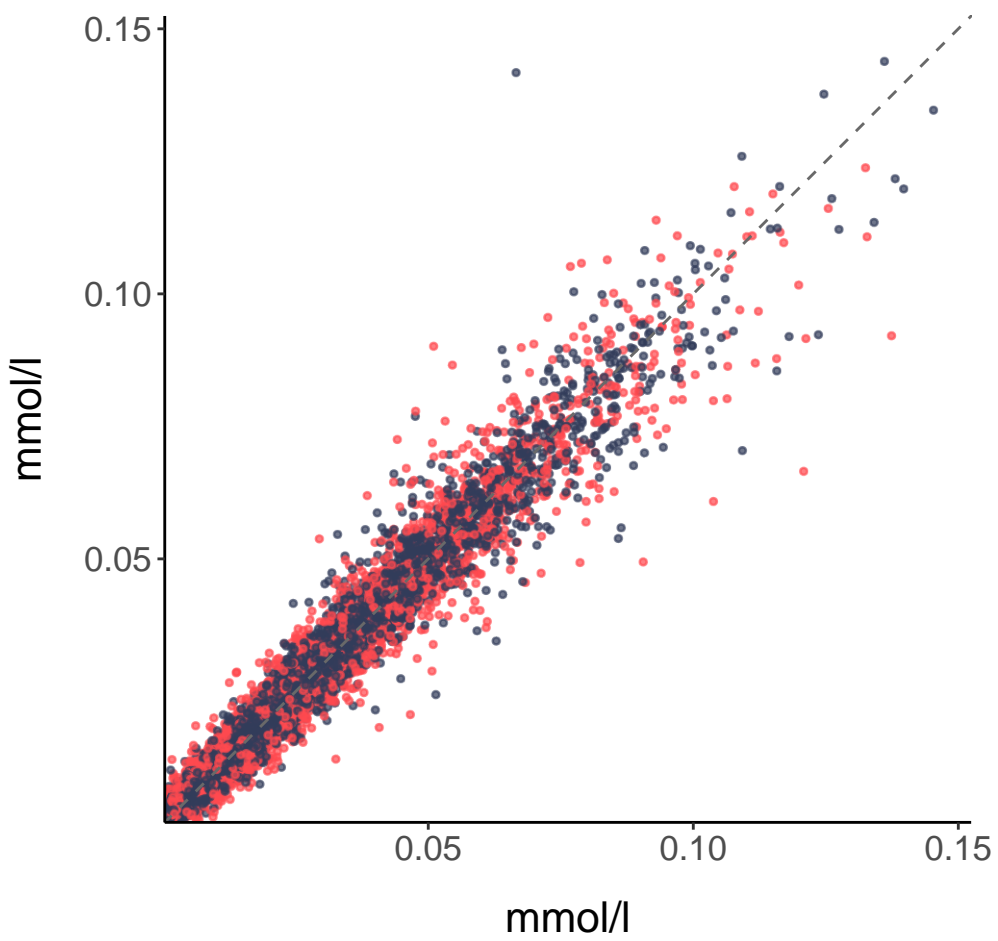


XXL_VLDL_CE

CV: 11.41%, R^2 : 0.95

Different spectrometers

● FALSE ● TRUE

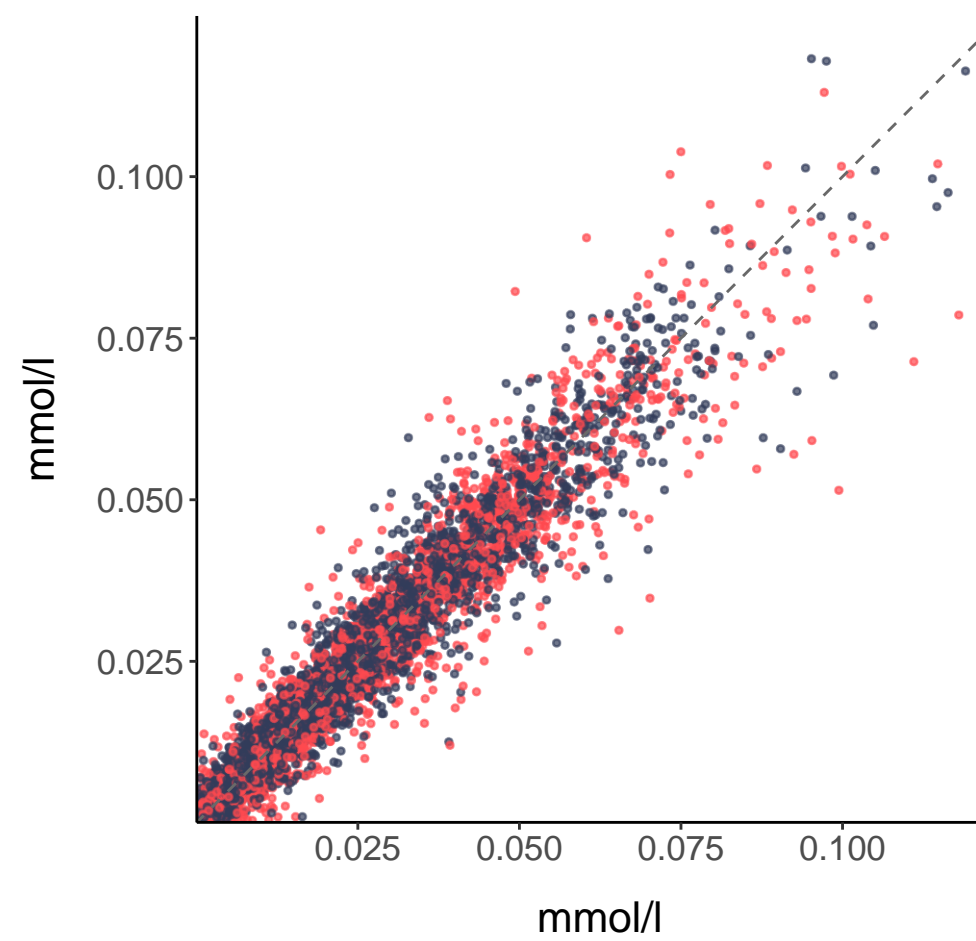


XXL_VLDL_FC

CV: 13.72%, R^2 : 0.93

Different spectrometers

● FALSE ● TRUE

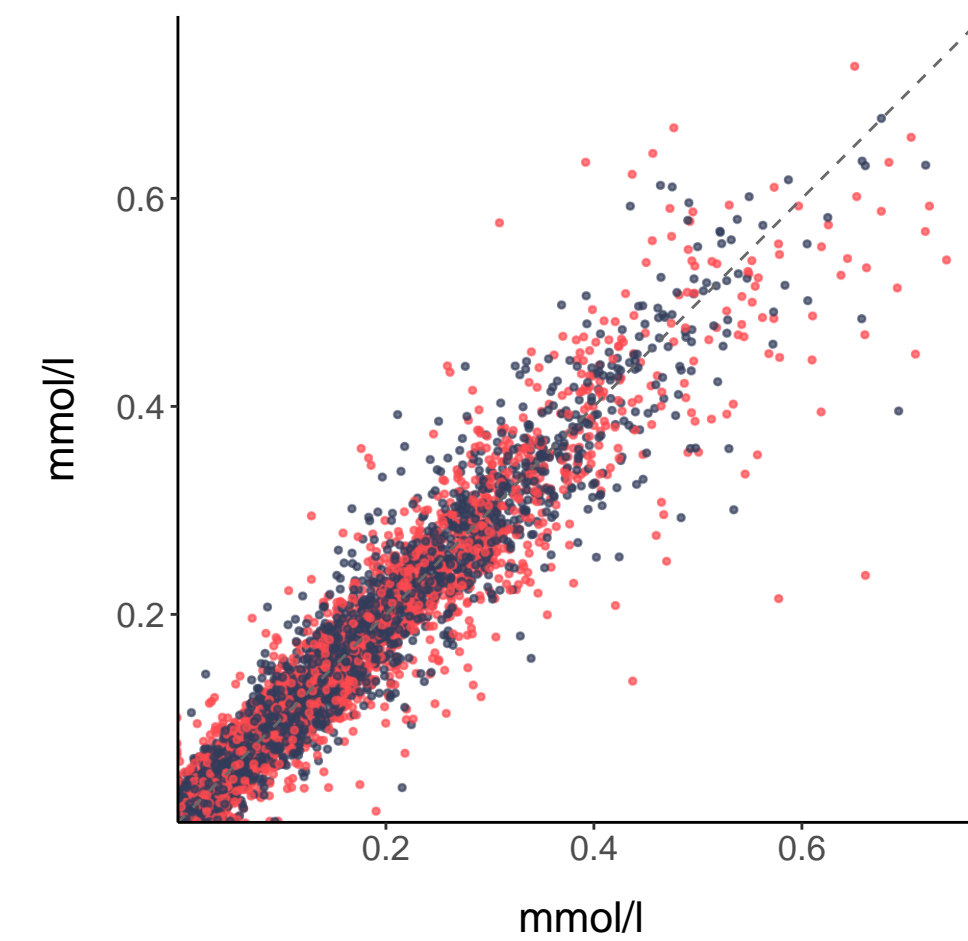


XXL_VLDL_TG

CV: 24.33%, R^2 : 0.92

Different spectrometers

● FALSE ● TRUE



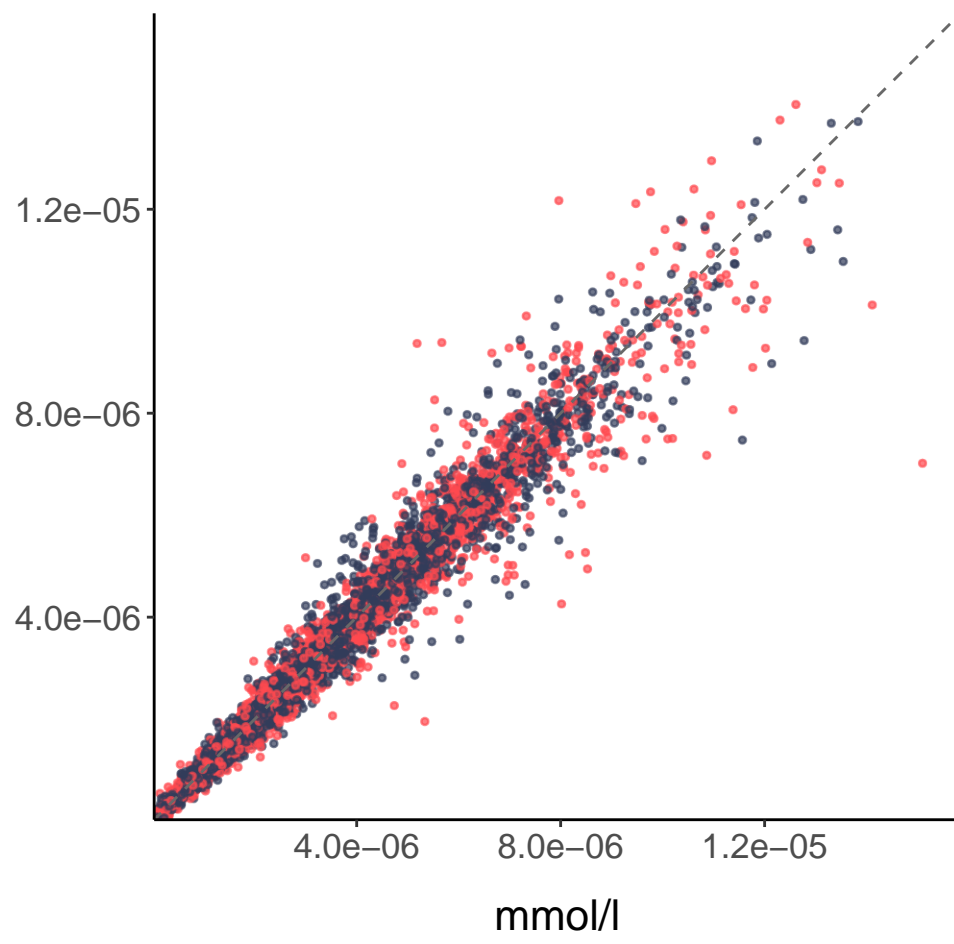
Very large VLDL (average diameter 64 nm)

XL_VLDL_P

CV: 6%, R²: 0.96

Different spectrometers

● FALSE ● TRUE

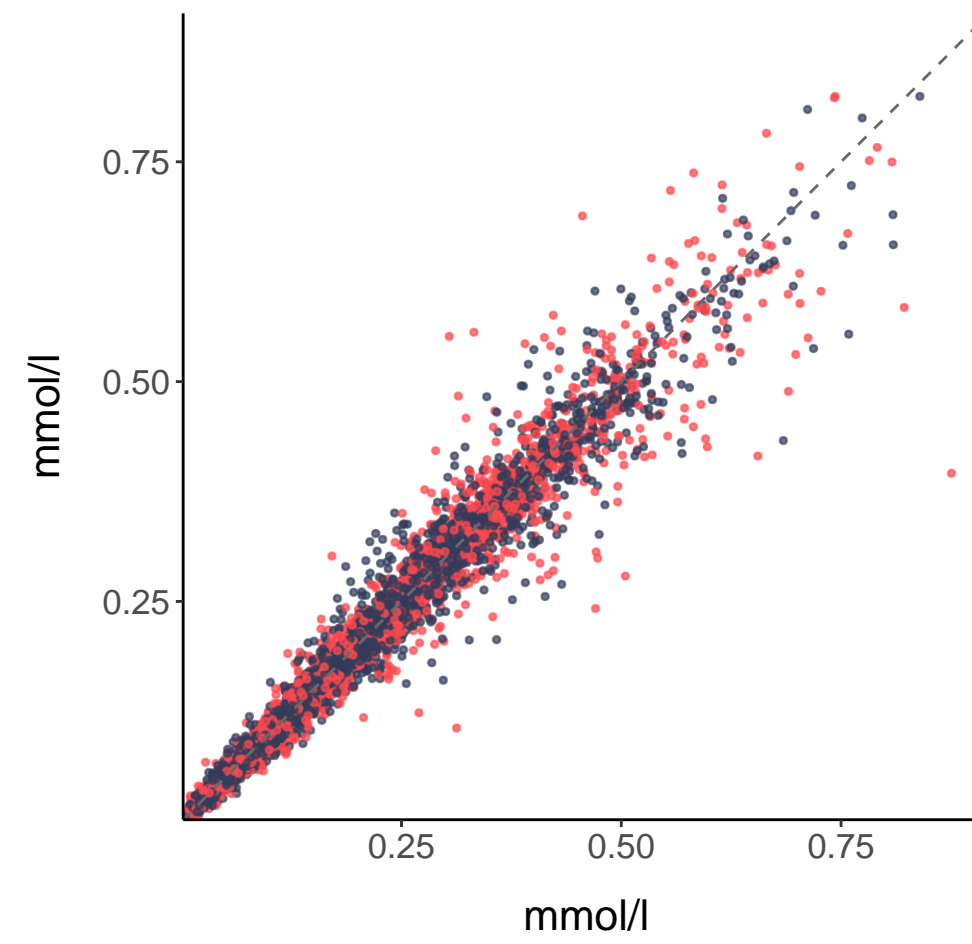


XL_VLDL_L

CV: 5.93%, R²: 0.96

Different spectrometers

● FALSE ● TRUE

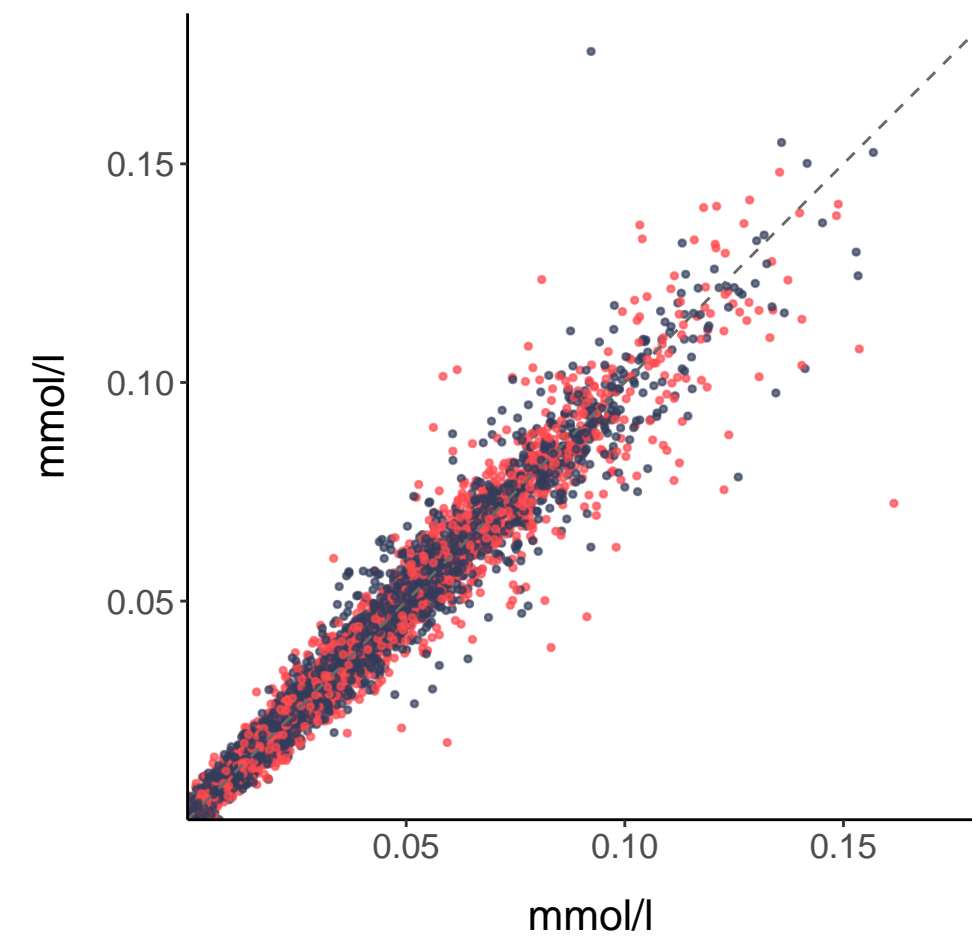


XL_VLDL_PL

CV: 9.12%, R²: 0.96

Different spectrometers

● FALSE ● TRUE

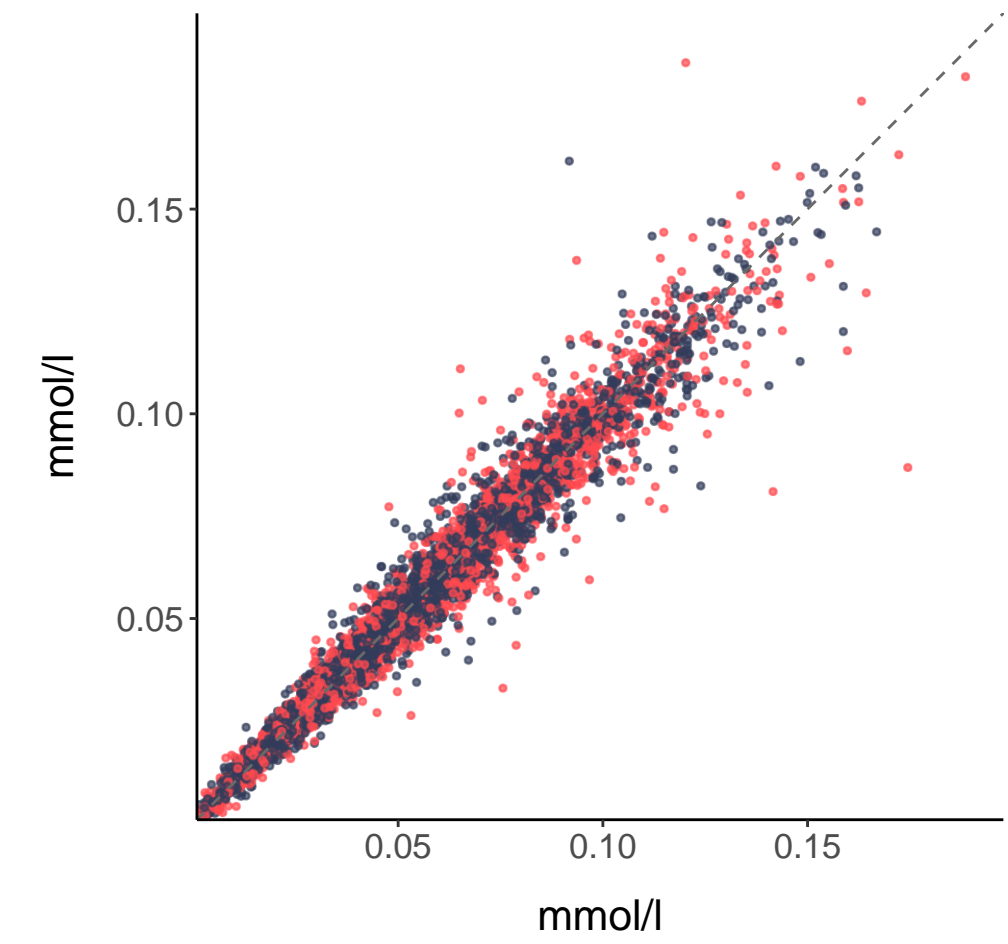


XL_VLDL_C

CV: 5.39%, R²: 0.96

Different spectrometers

● FALSE ● TRUE

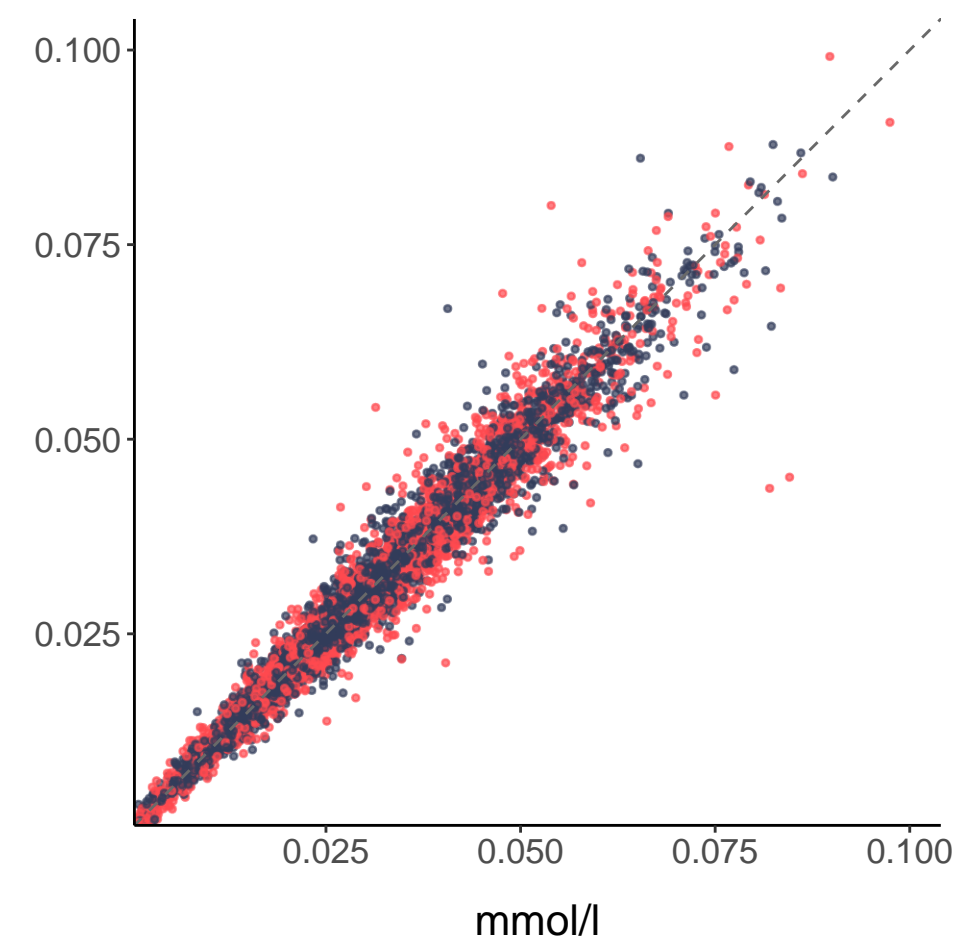


XL_VLDL_CE

CV: 5.14%, R²: 0.96

Different spectrometers

● FALSE ● TRUE

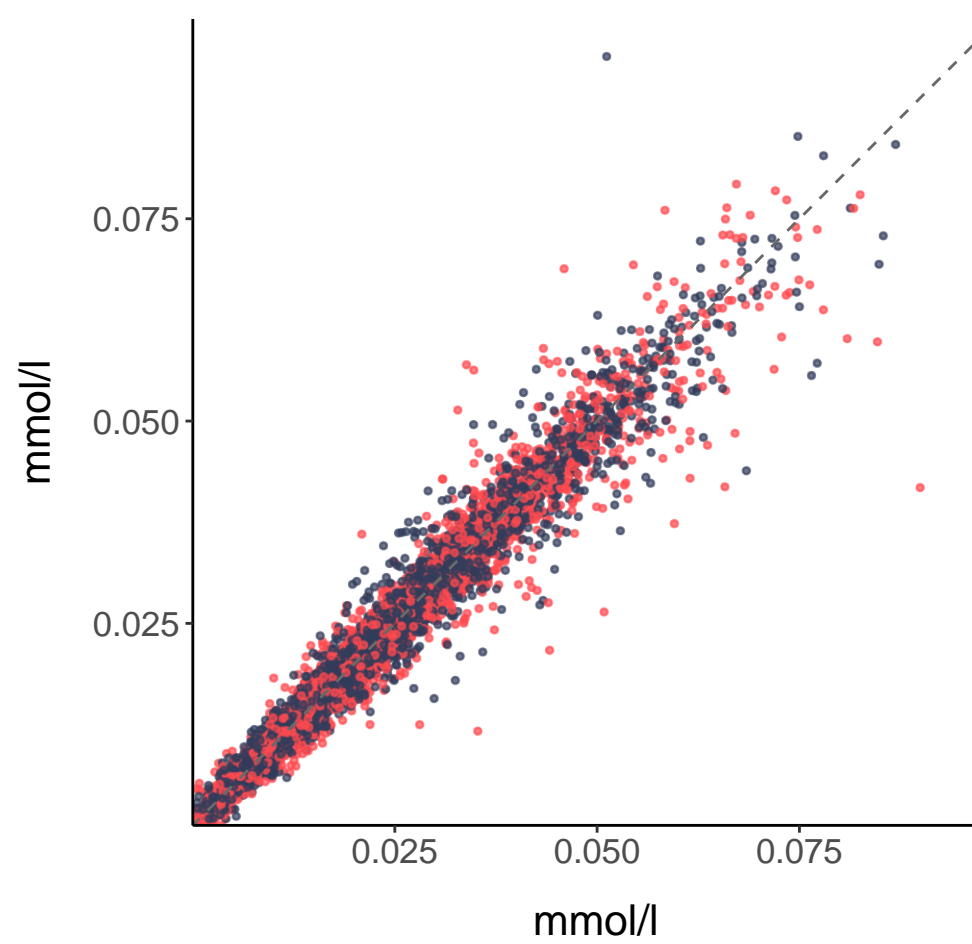


XL_VLDL_FC

CV: 7.2%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

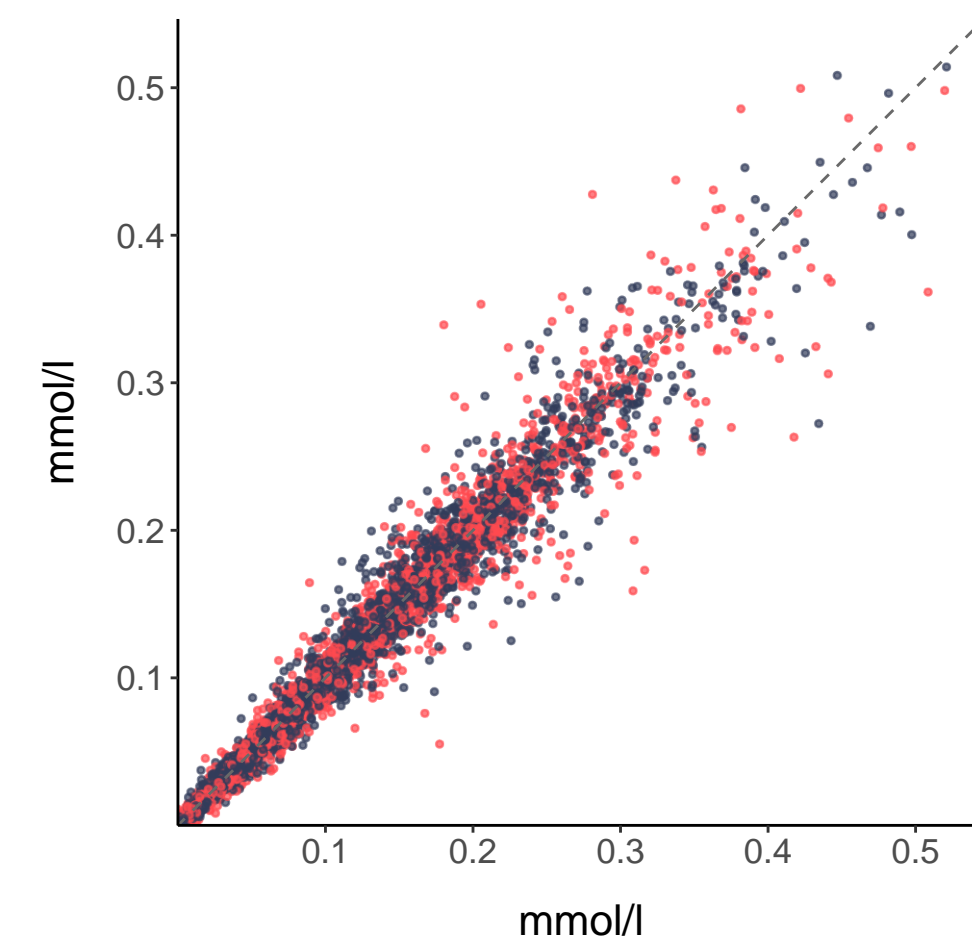


XL_VLDL_TG

CV: 6.68%, R²: 0.96

Different spectrometers

● FALSE ● TRUE



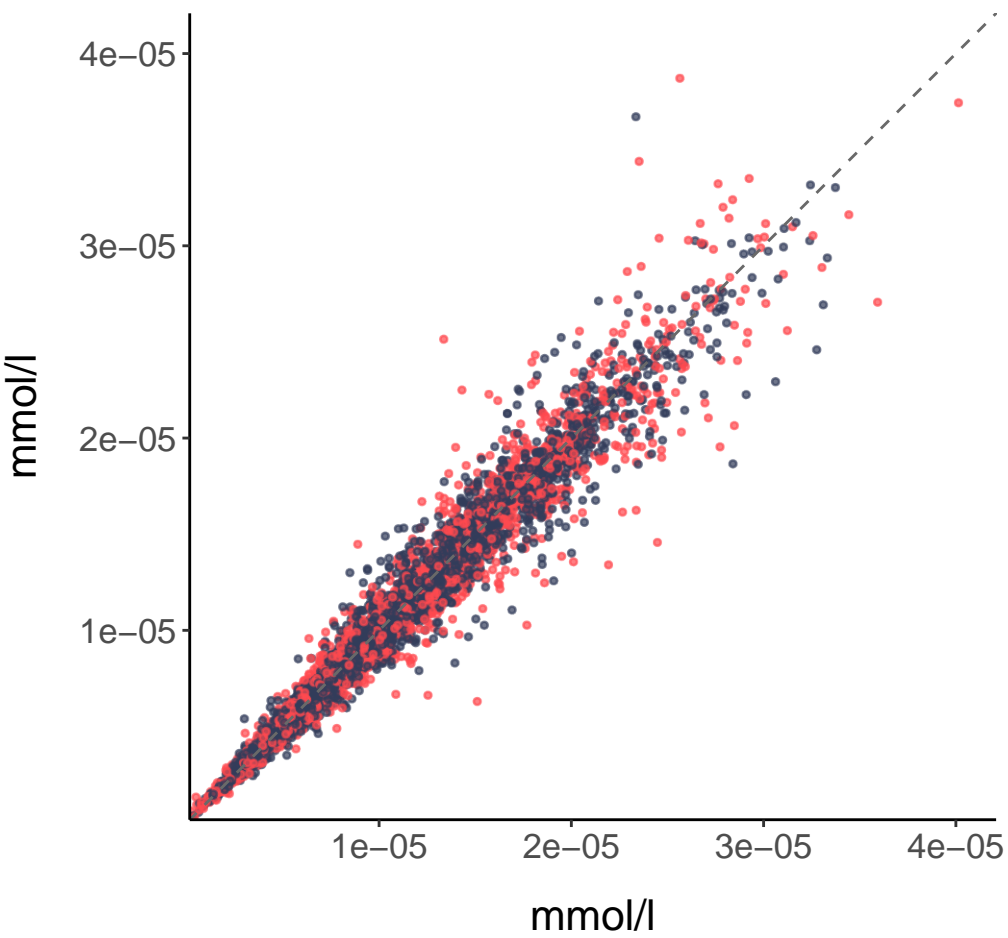
Large VLDL (average diameter 53.6 nm)

L_VLDL_P

CV: 4.75%, R²: 0.96

Different spectrometers

● FALSE ● TRUE

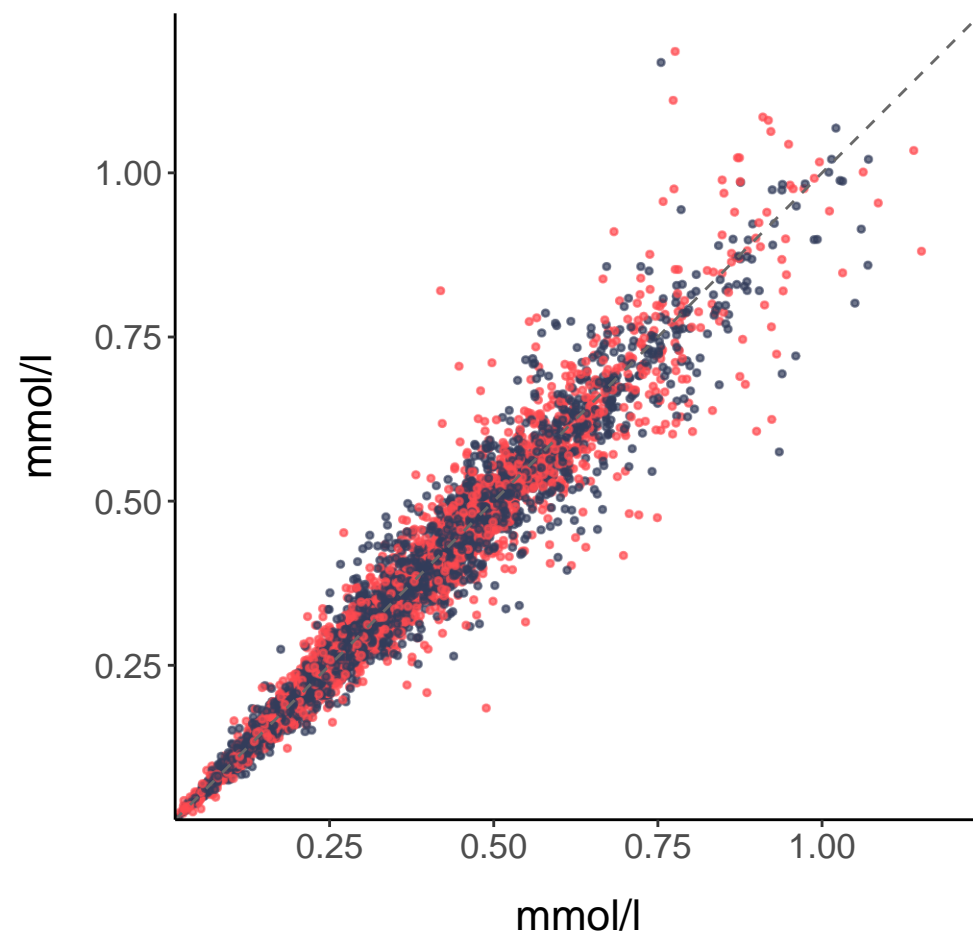


L_VLDL_L

CV: 4.85%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

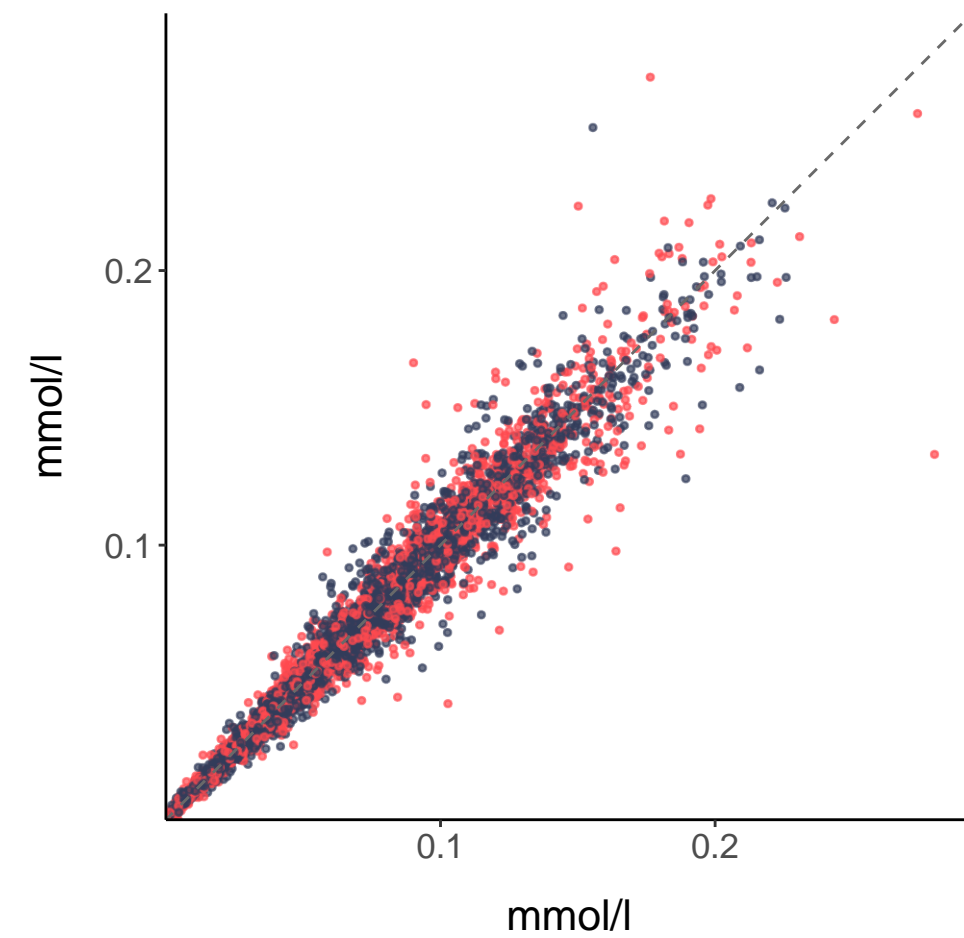


L_VLDL_PL

CV: 5.81%, R²: 0.96

Different spectrometers

● FALSE ● TRUE

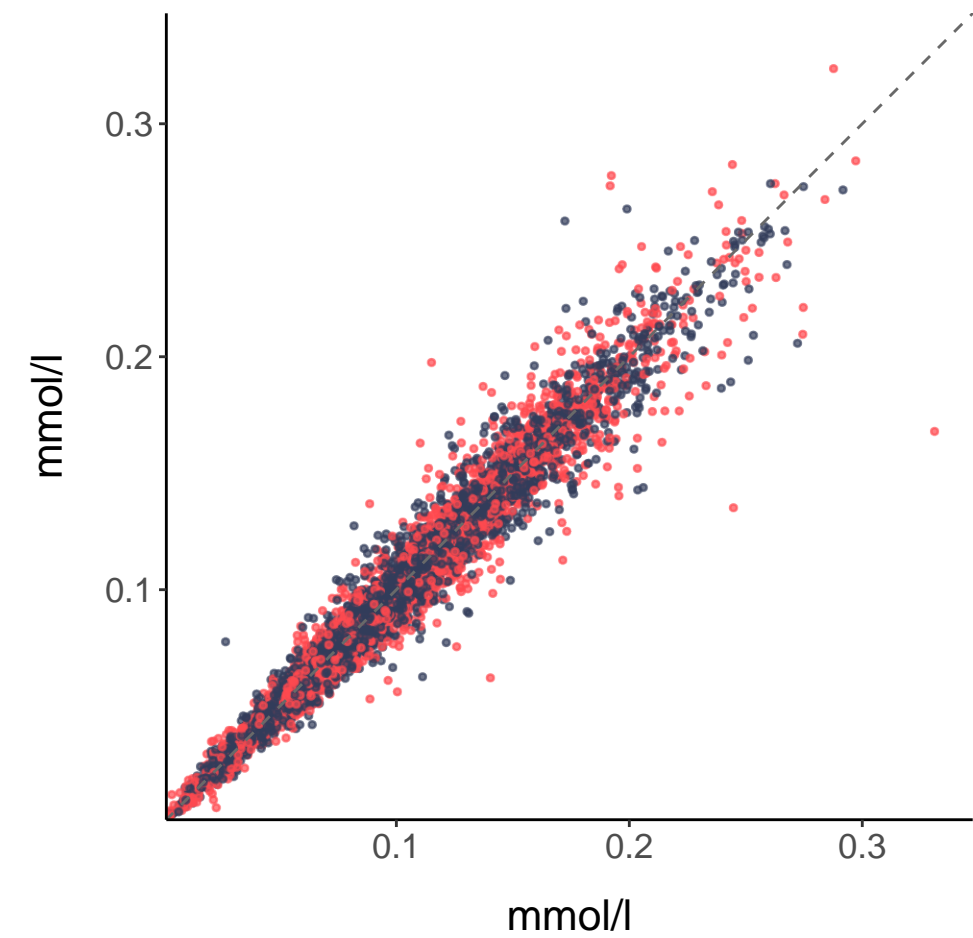


L_VLDL_C

CV: 5.09%, R²: 0.96

Different spectrometers

● FALSE ● TRUE

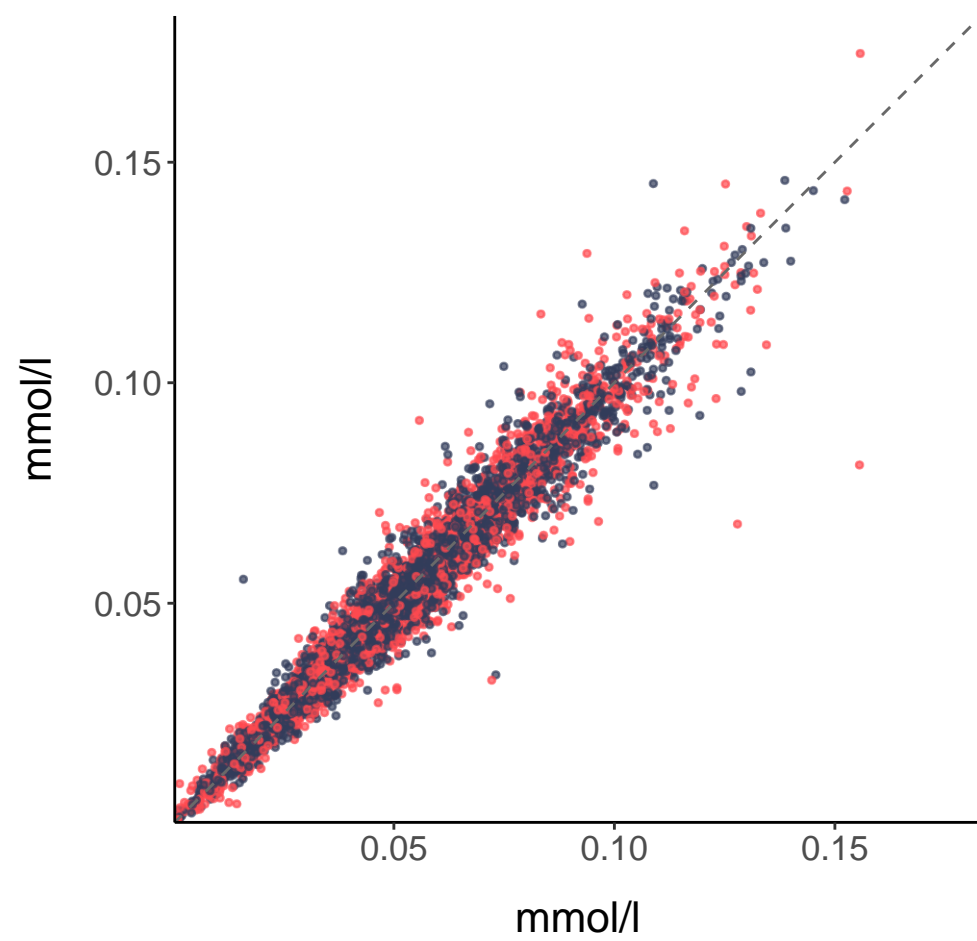


L_VLDL_CE

CV: 5.19%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

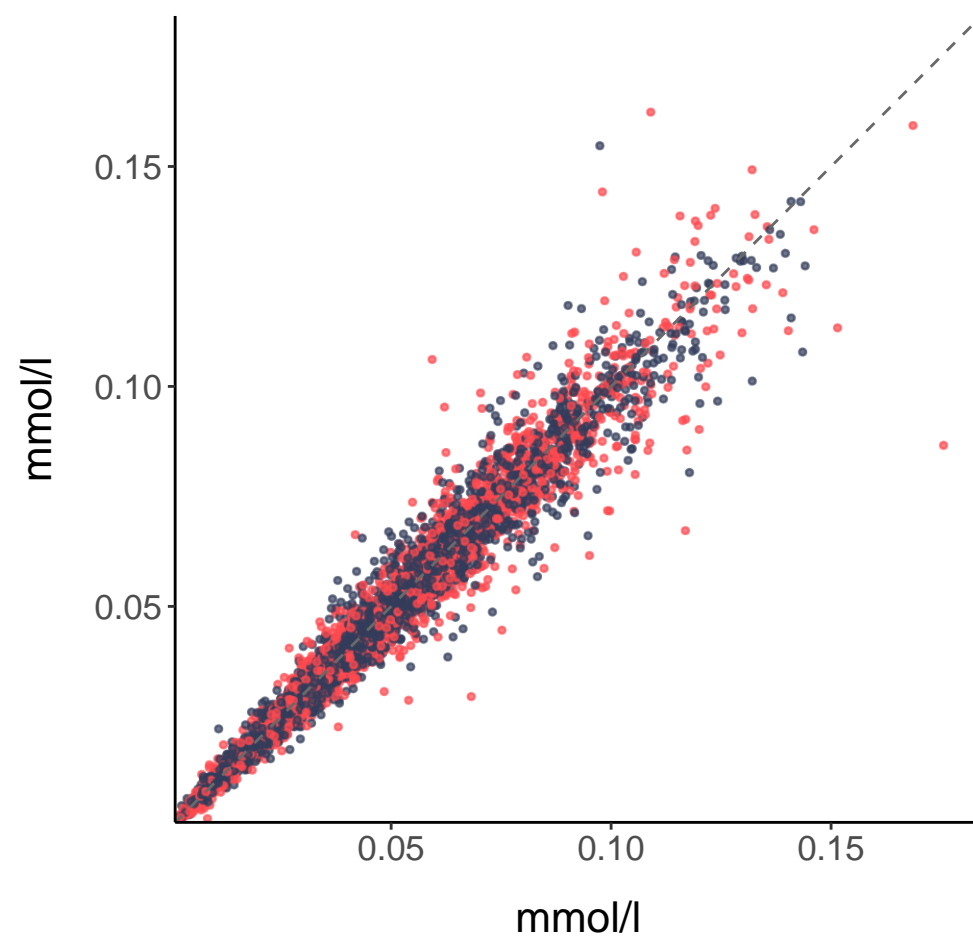


L_VLDL_FC

CV: 5.07%, R²: 0.96

Different spectrometers

● FALSE ● TRUE

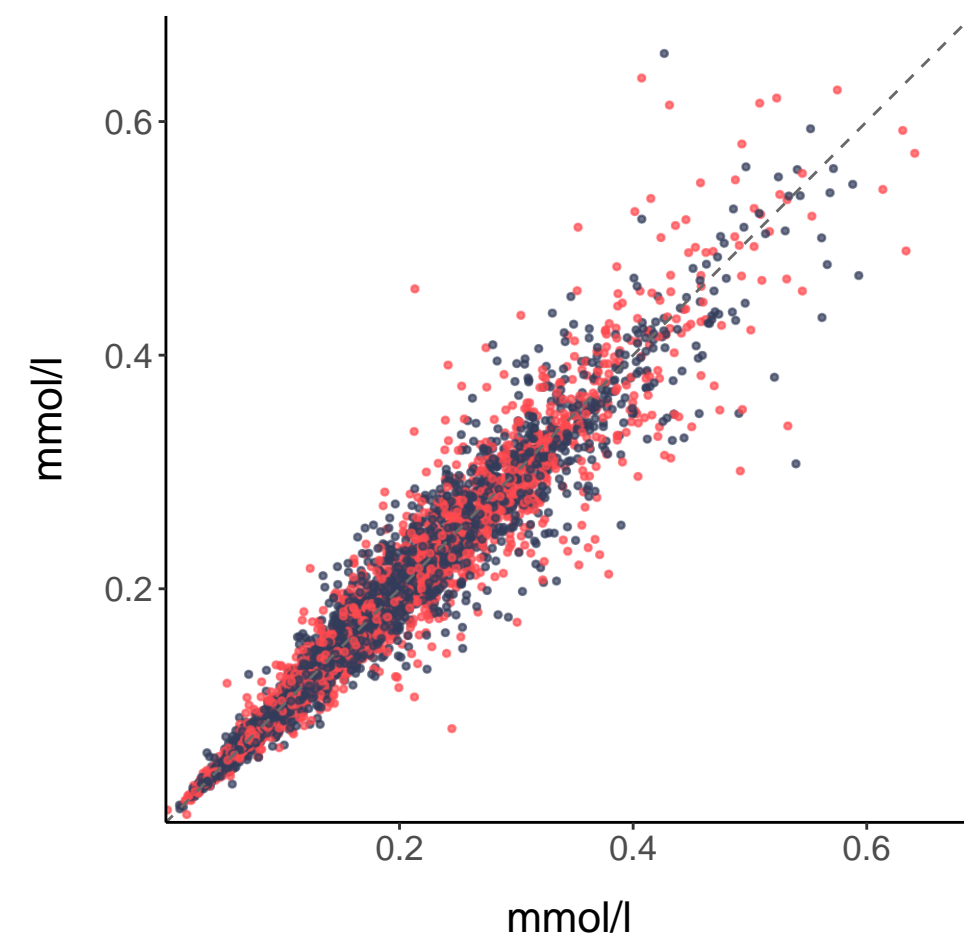


L_VLDL_TG

CV: 5.23%, R²: 0.94

Different spectrometers

● FALSE ● TRUE



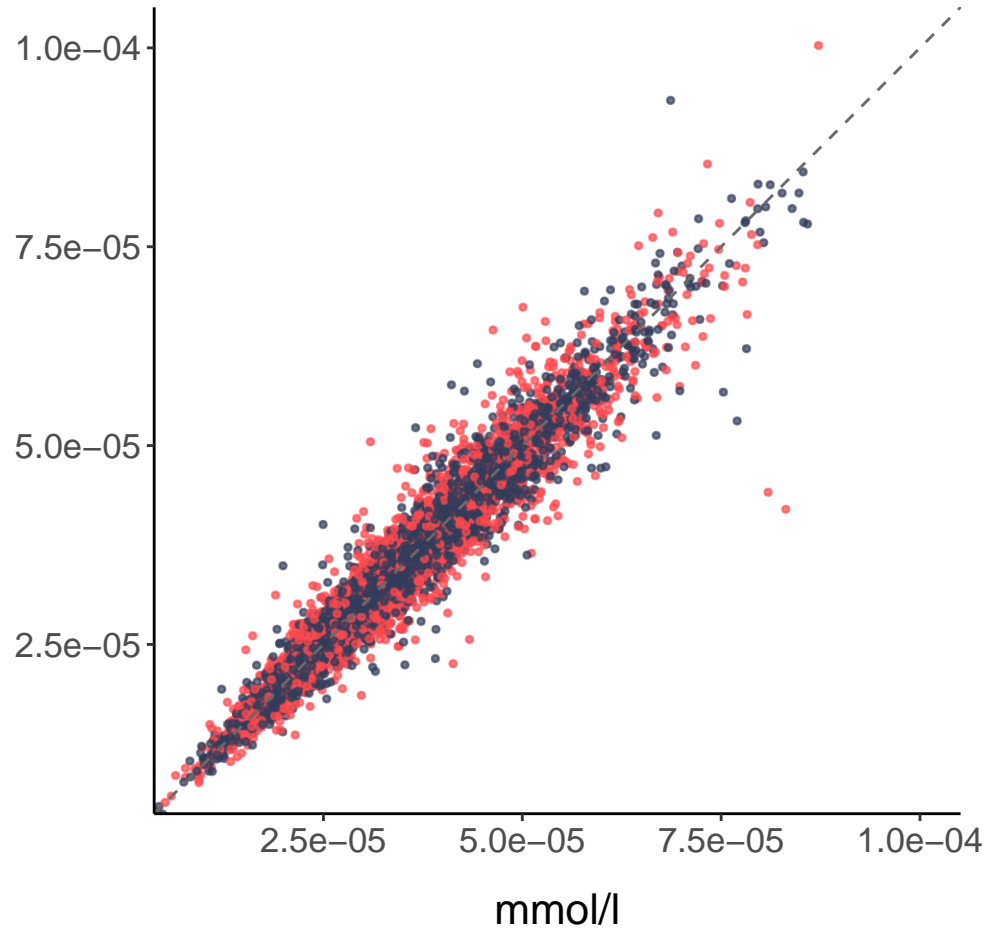
Medium VLDL (average diameter 44.5 nm)

M_VLDL_P

CV: 4.44%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

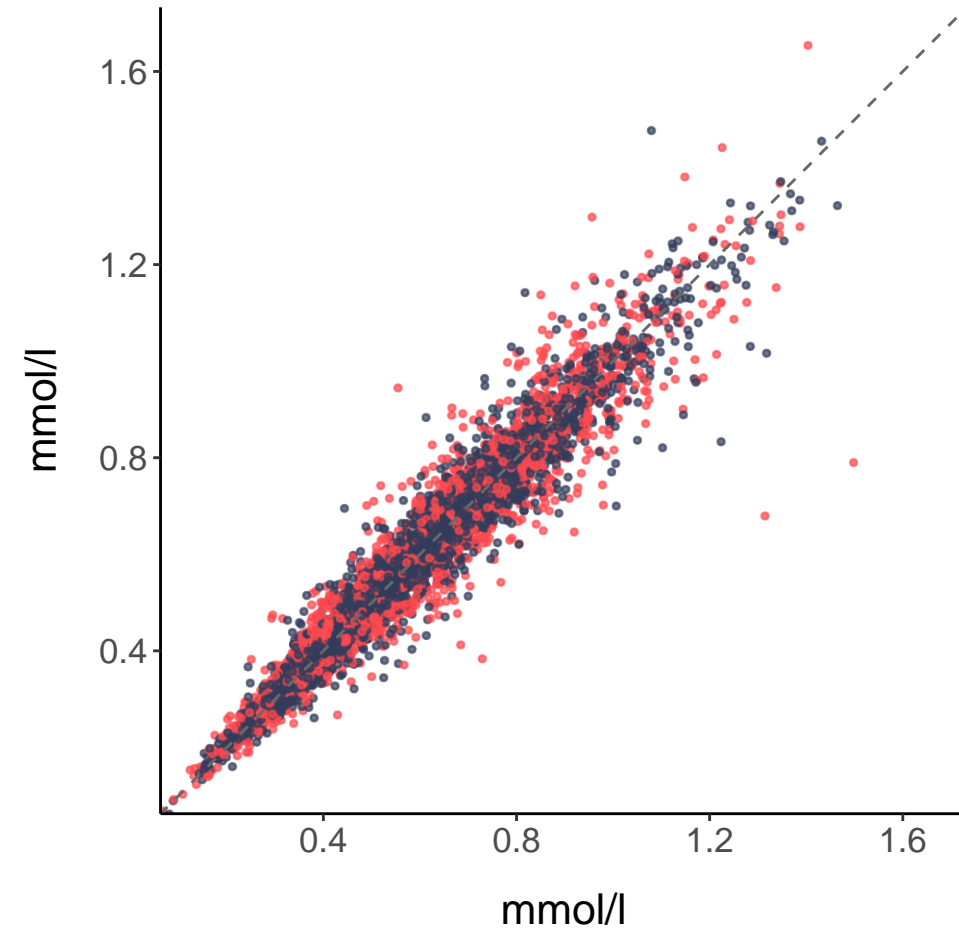


M_VLDL_L

CV: 4.32%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

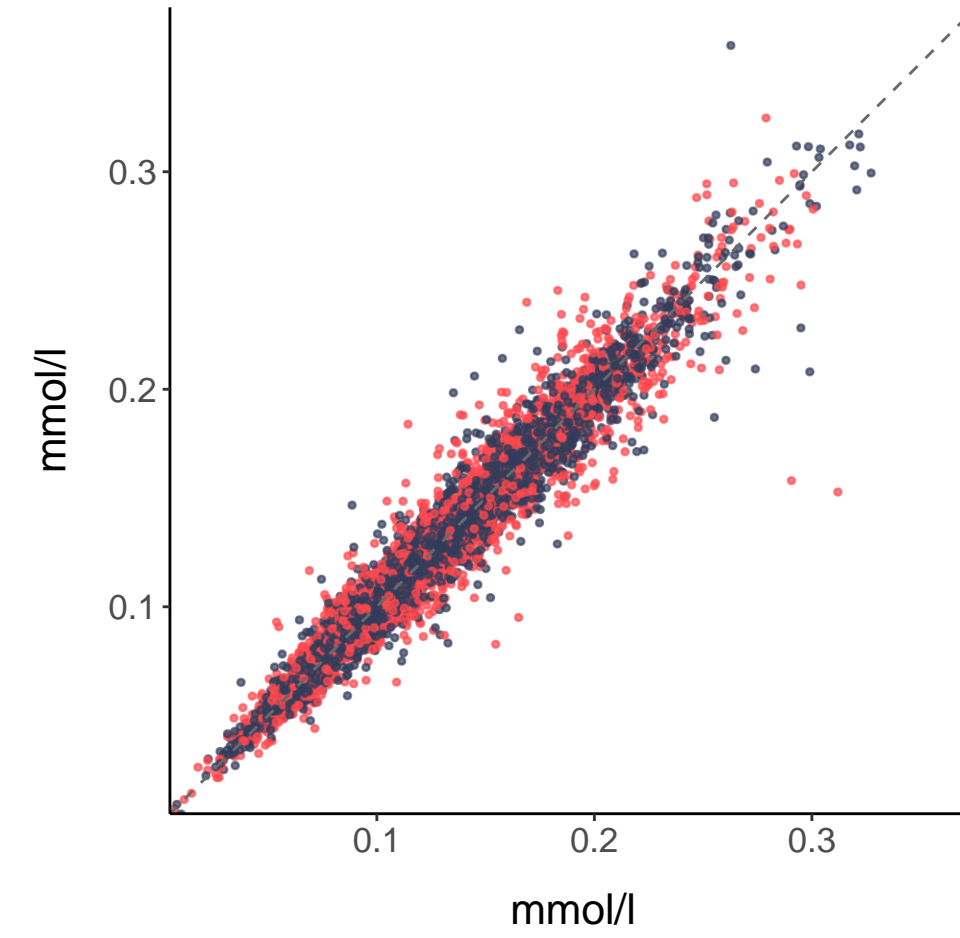


M_VLDL_PL

CV: 4.49%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

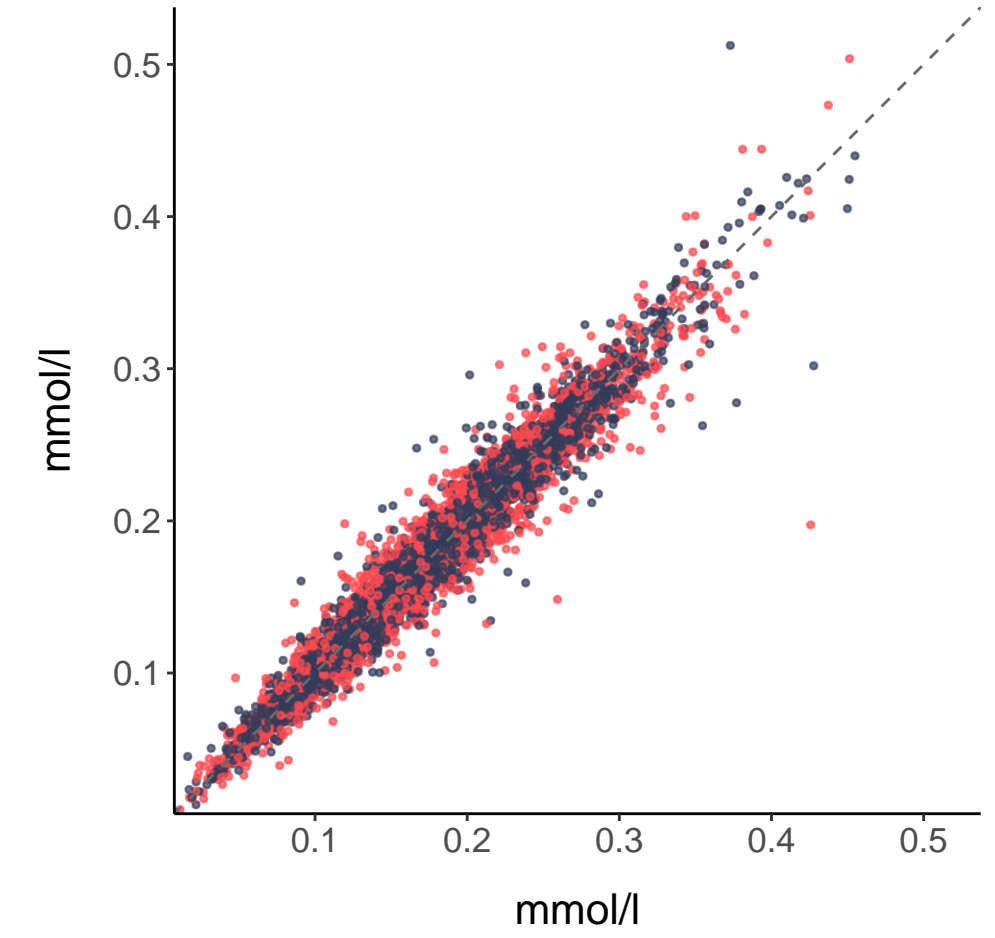


M_VLDL_C

CV: 4.69%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

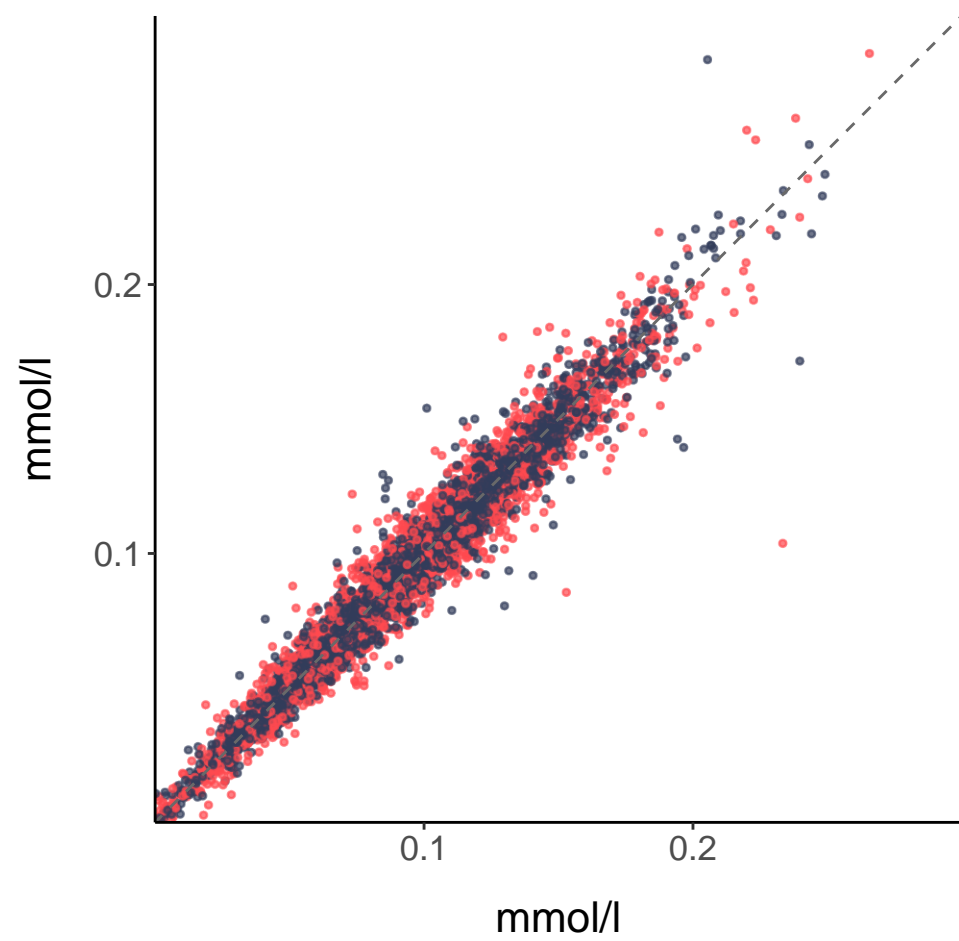


M_VLDL_CE

CV: 5.28%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

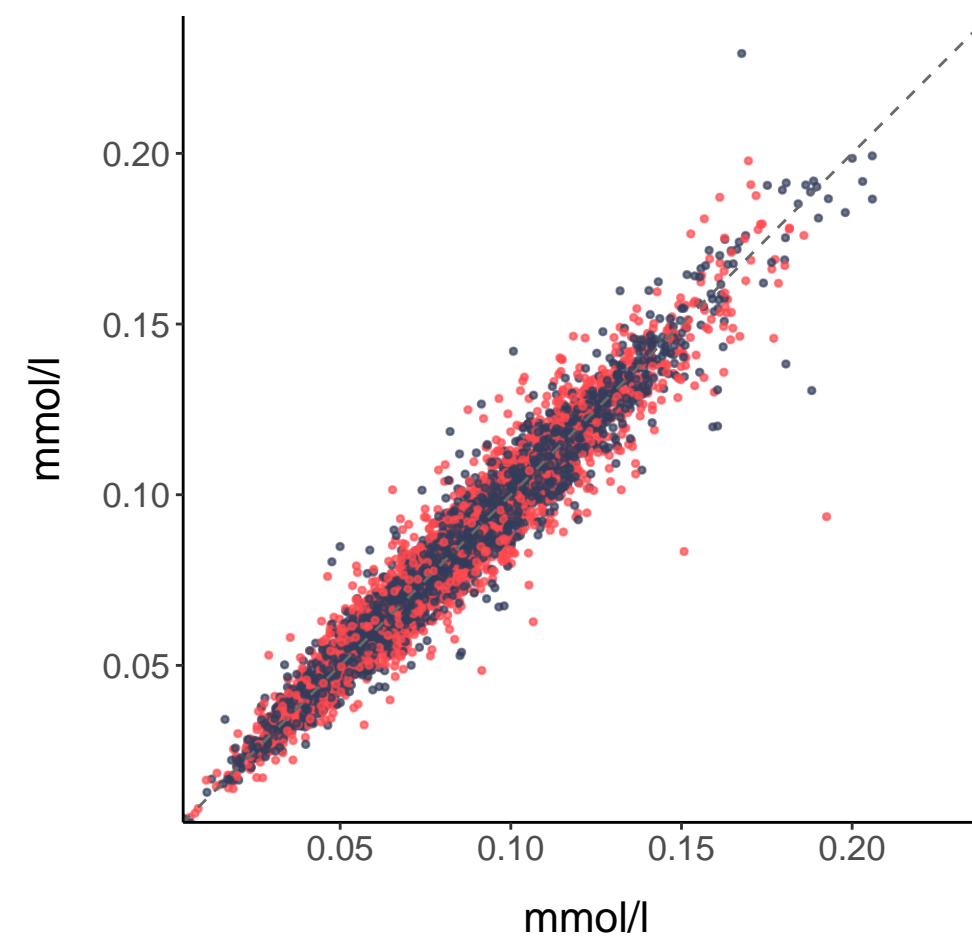


M_VLDL_FC

CV: 4.7%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

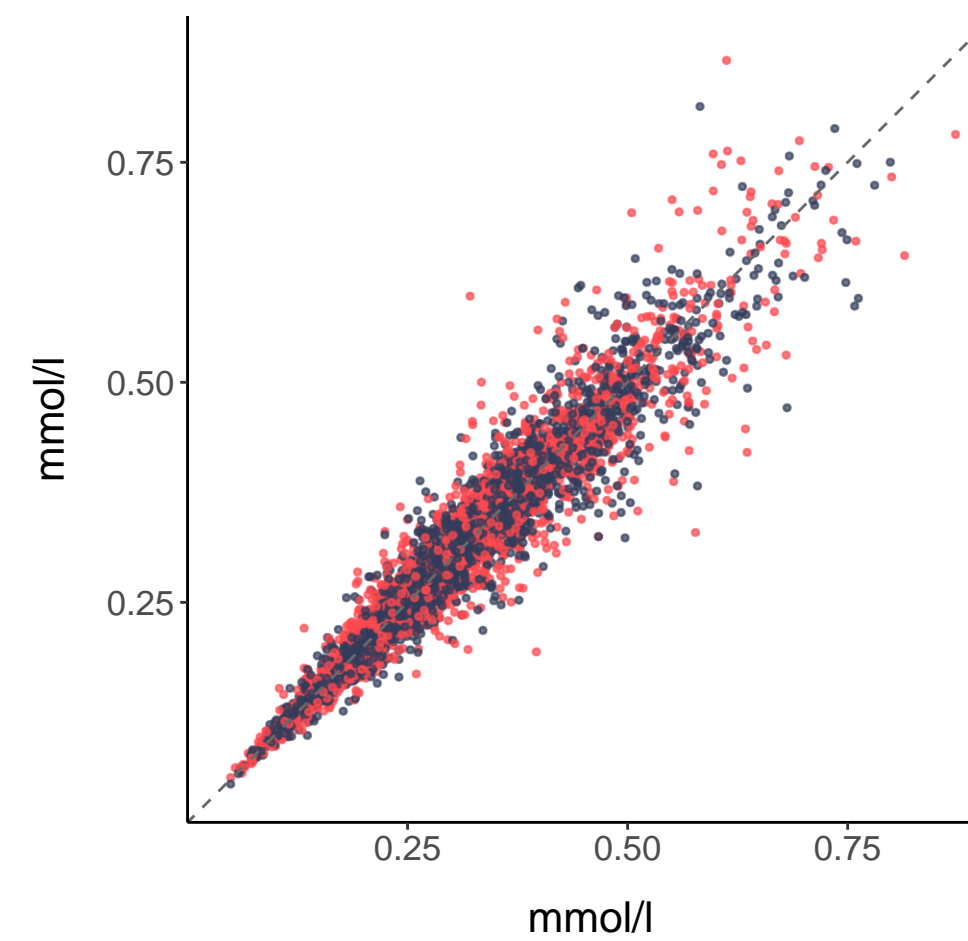


M_VLDL_TG

CV: 4.66%, R²: 0.94

Different spectrometers

● FALSE ● TRUE



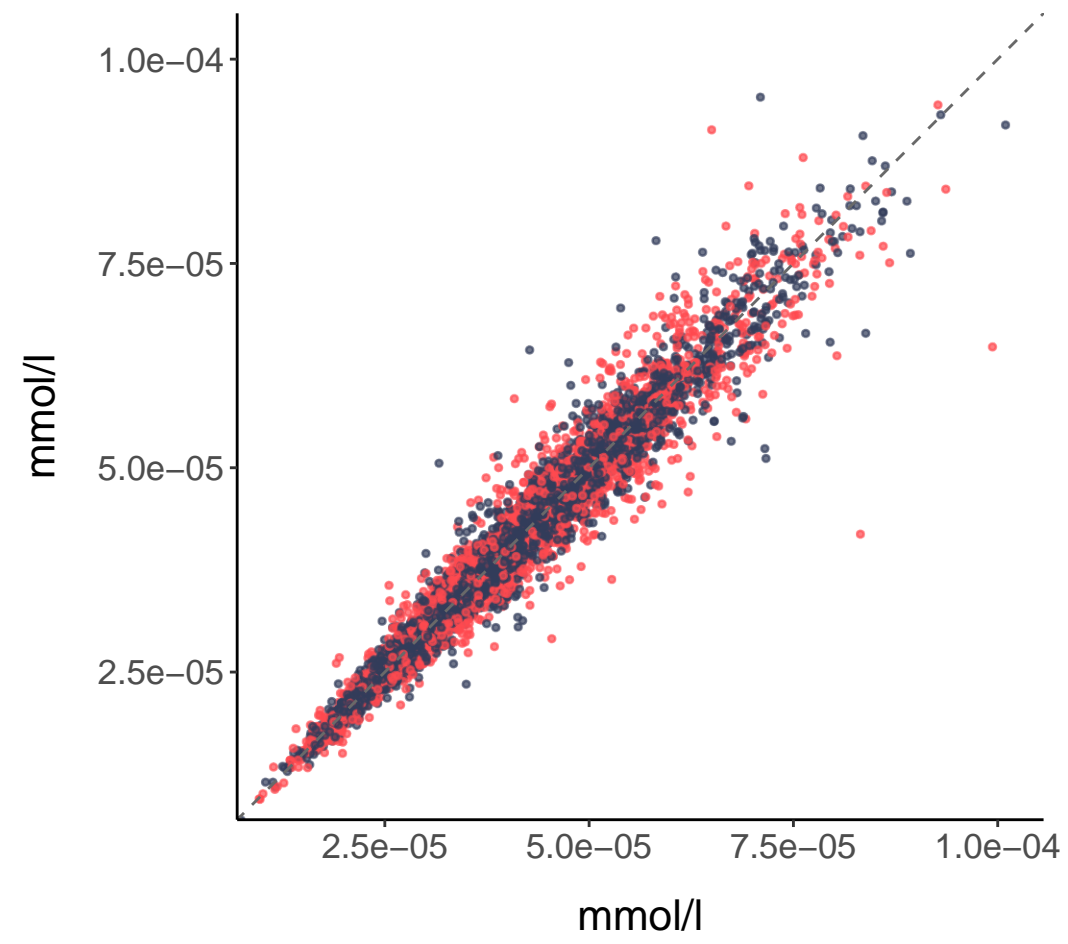
Small VLDL (average diameter 36.8 nm)

S_VLDL_P

CV: 3.46%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

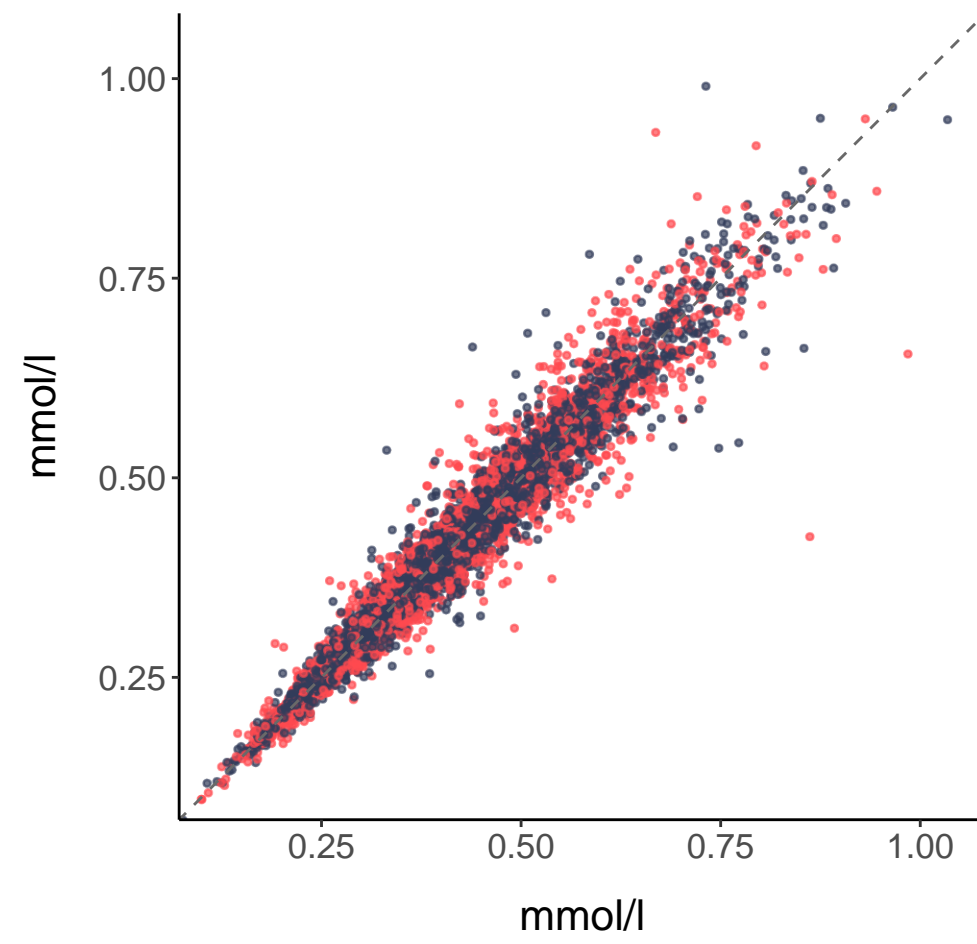


S_VLDL_L

CV: 3.44%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

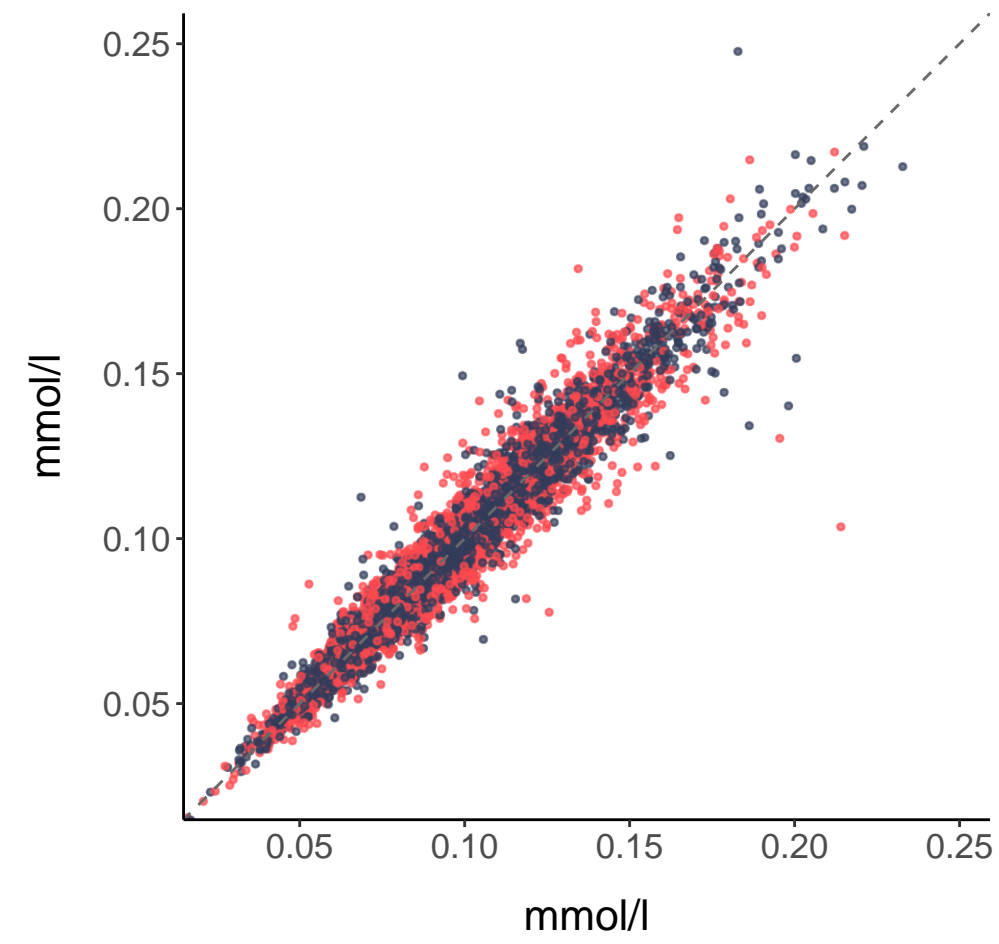


S_VLDL_PL

CV: 3.64%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

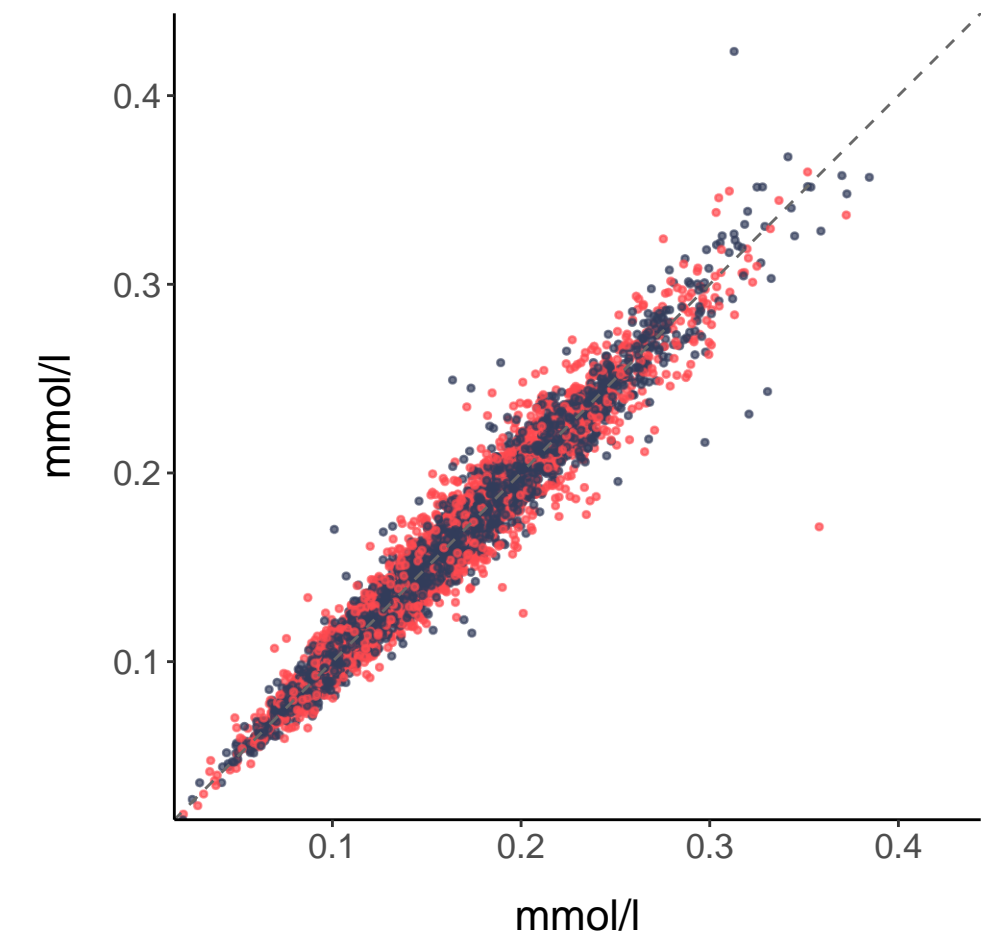


S_VLDL_C

CV: 3.57%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

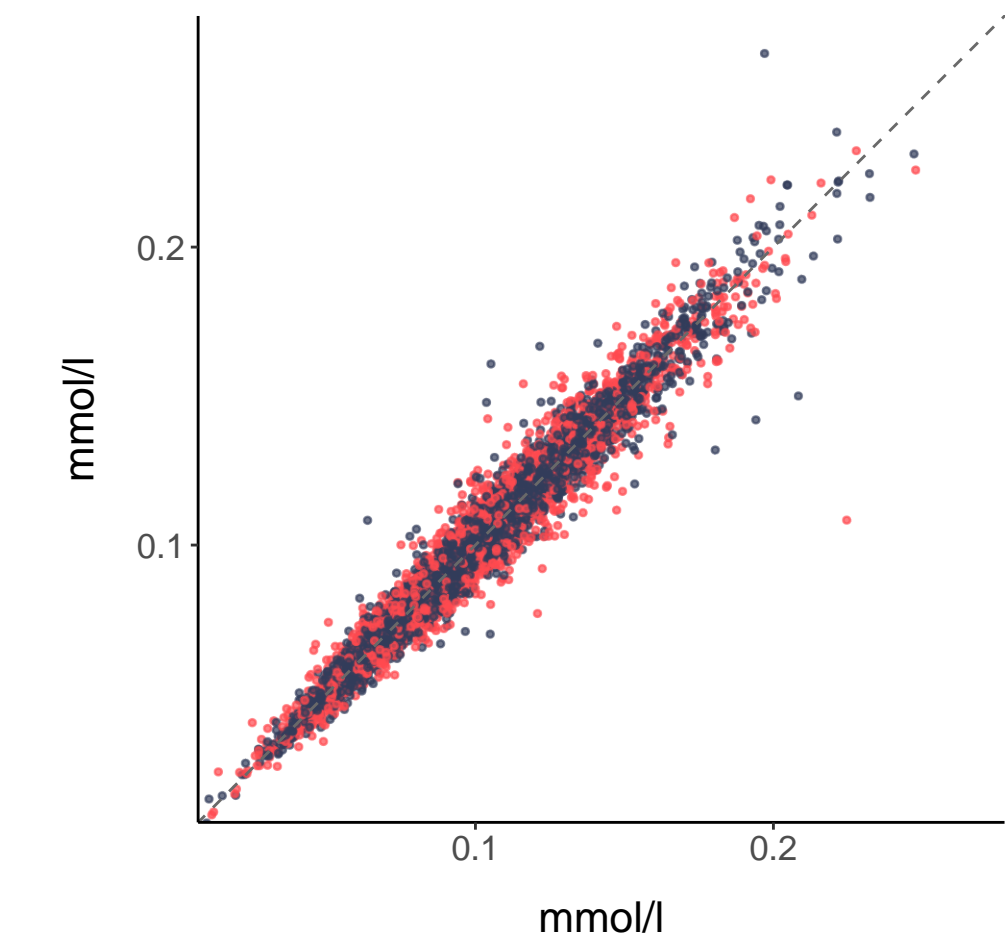


S_VLDL_CE

CV: 3.52%, R²: 0.96

Different spectrometers

● FALSE ● TRUE

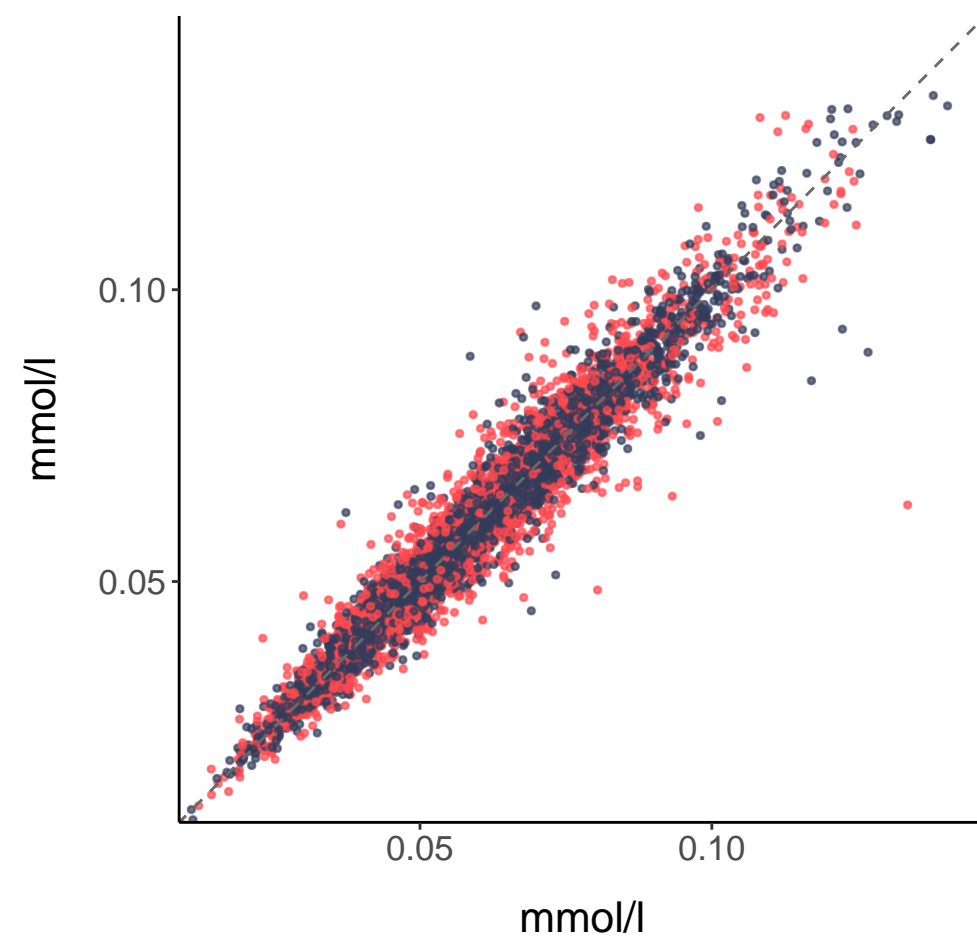


S_VLDL_FC

CV: 3.87%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

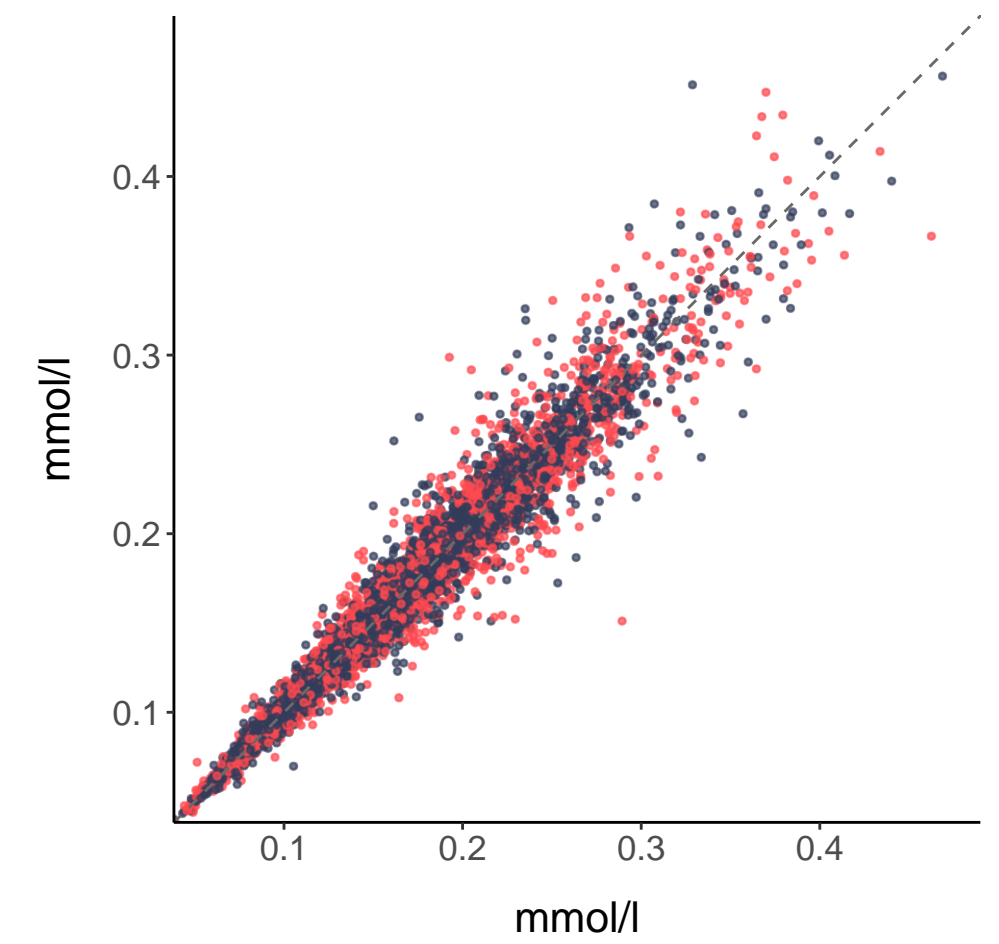


S_VLDL_TG

CV: 3.7%, R²: 0.95

Different spectrometers

● FALSE ● TRUE



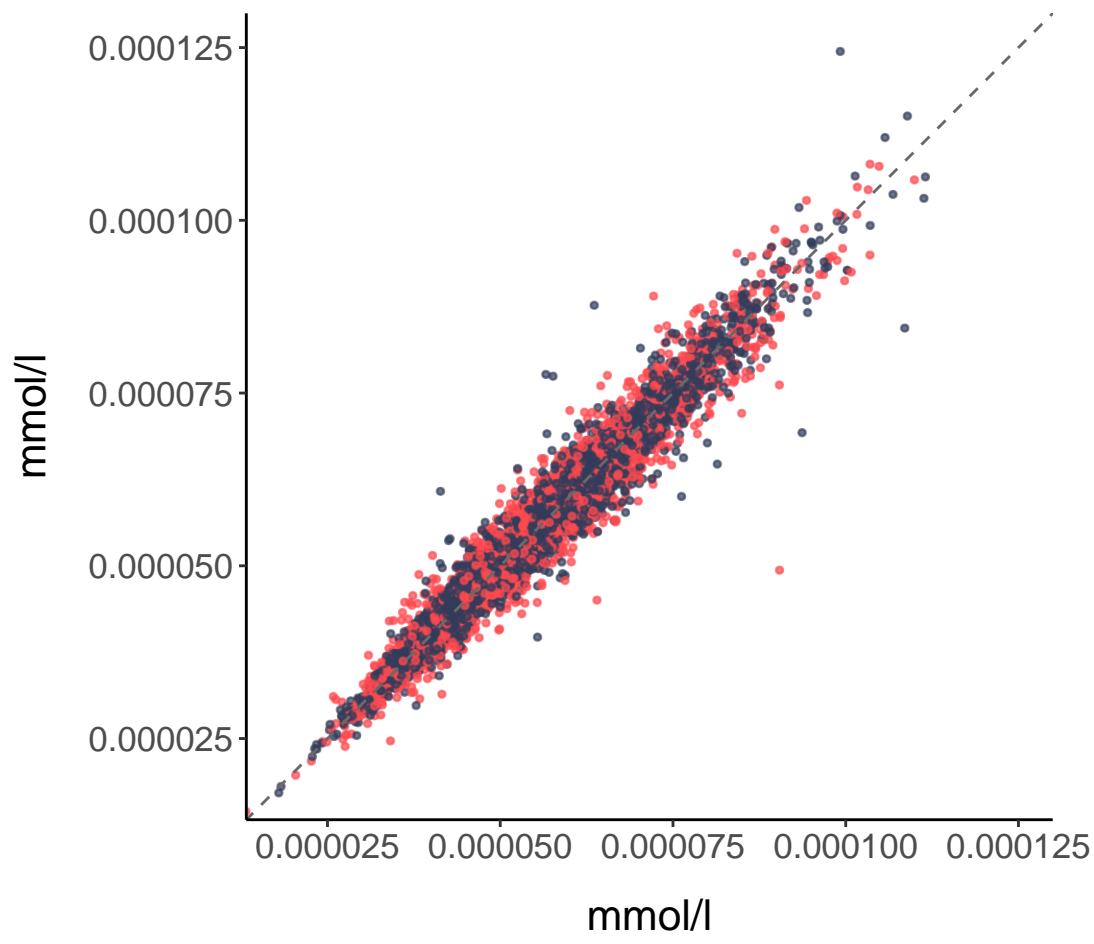
Very small VLDL (average diameter 31.3 nm)

XS_VLDL_P

CV: 2.89%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

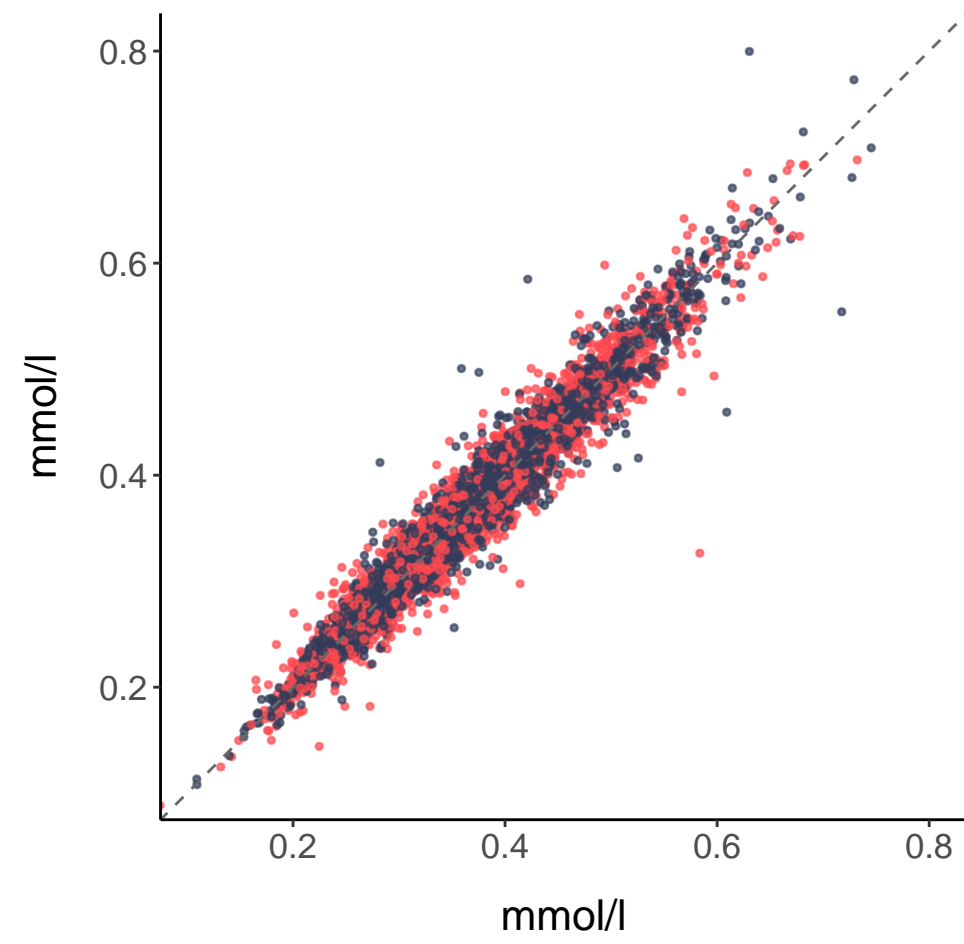


XS_VLDL_L

CV: 2.88%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

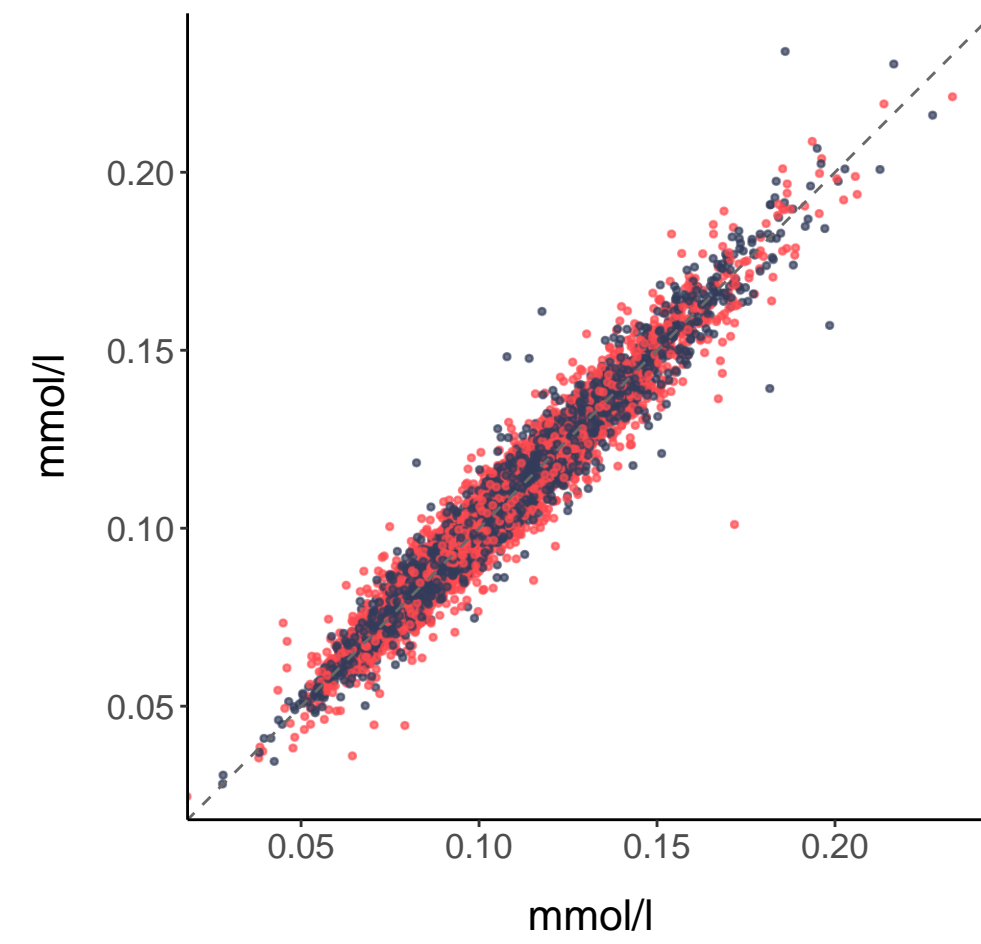


XS_VLDL_PL

CV: 2.98%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

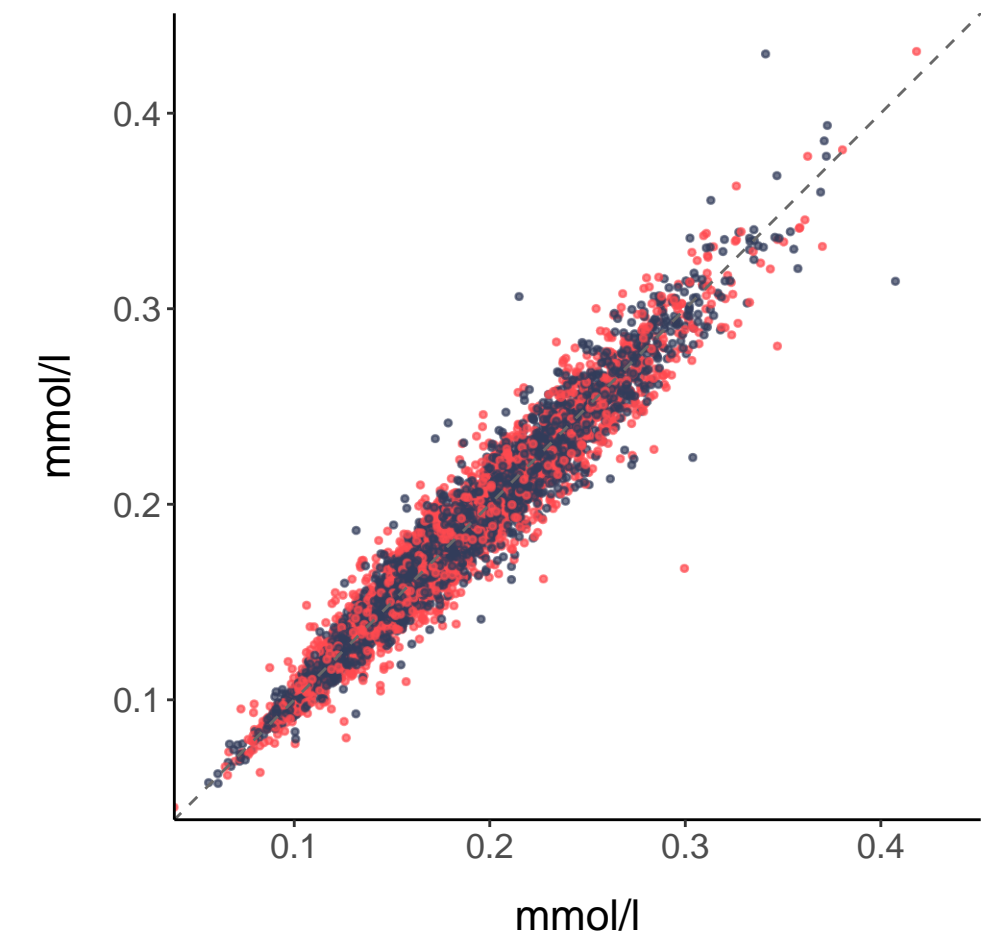


XS_VLDL_C

CV: 3.39%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

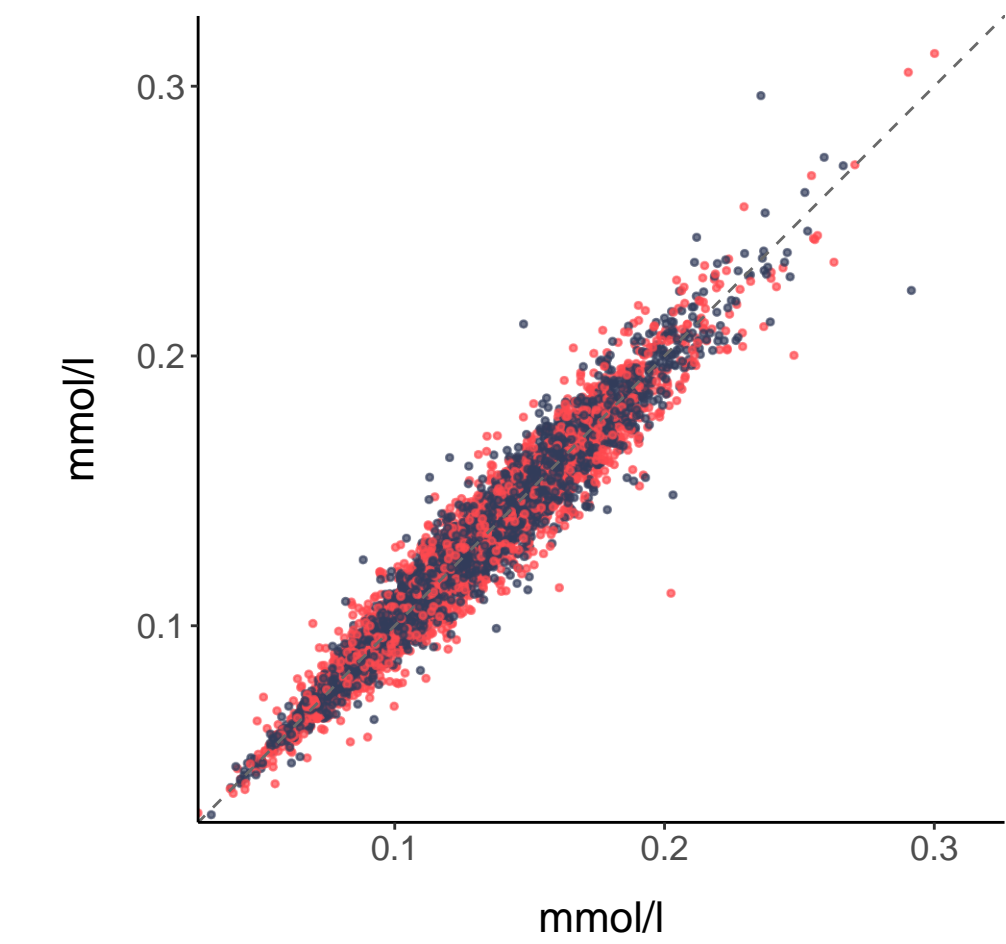


XS_VLDL_CE

CV: 3.54%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

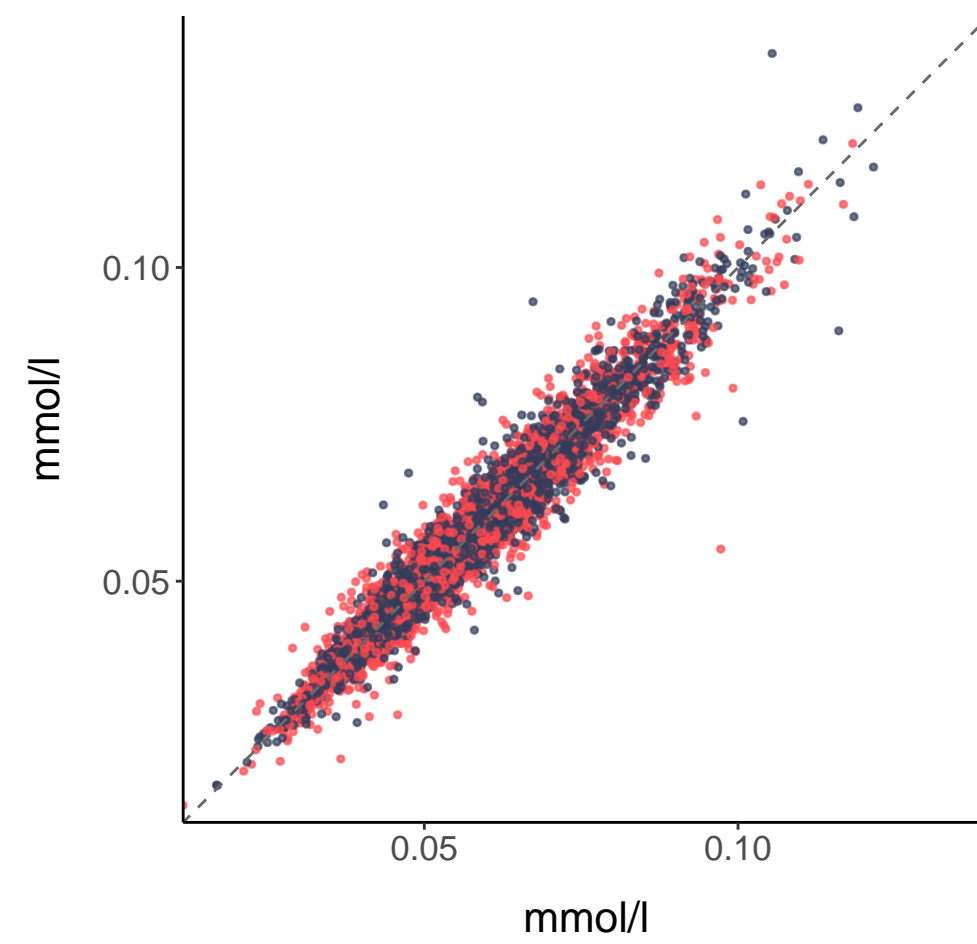


XS_VLDL_FC

CV: 3.19%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

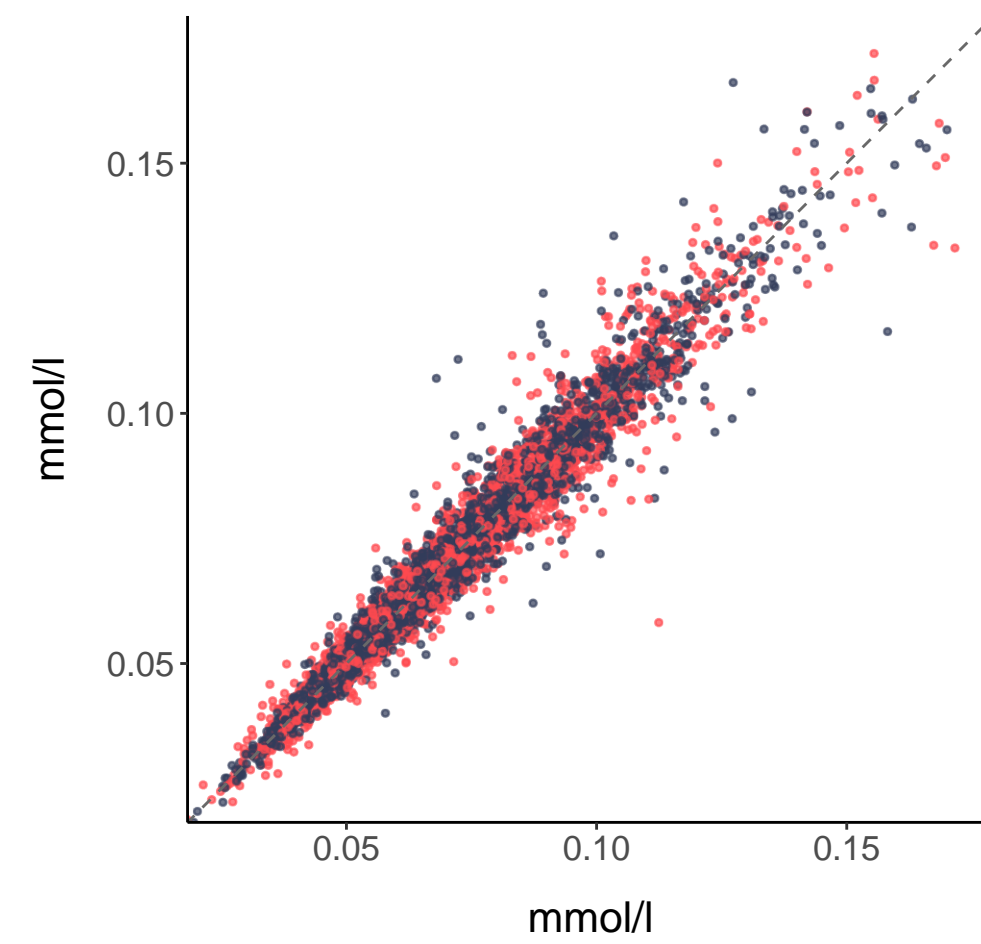


XS_VLDL_TG

CV: 2.99%, R²: 0.95

Different spectrometers

● FALSE ● TRUE



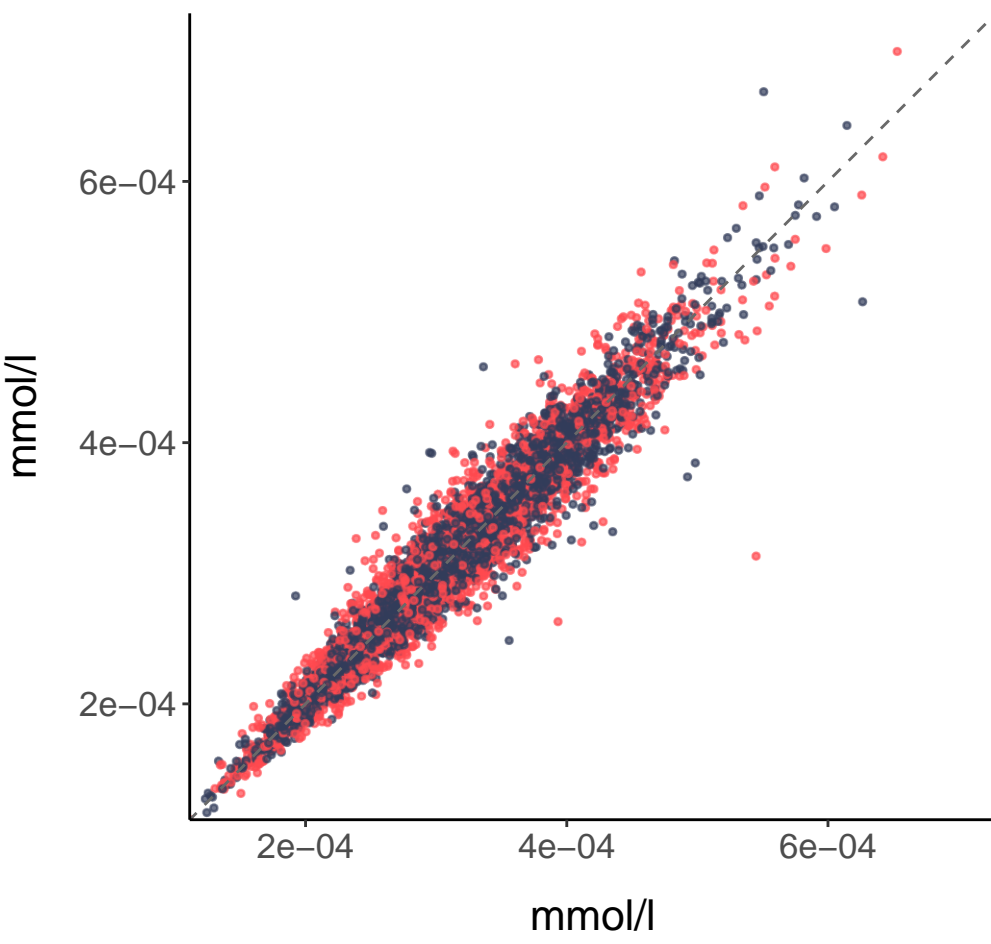
IDL (average diameter 28.6 nm)

IDL_P

CV: 3.14%, R^2 : 0.94

Different spectrometers

● FALSE ● TRUE

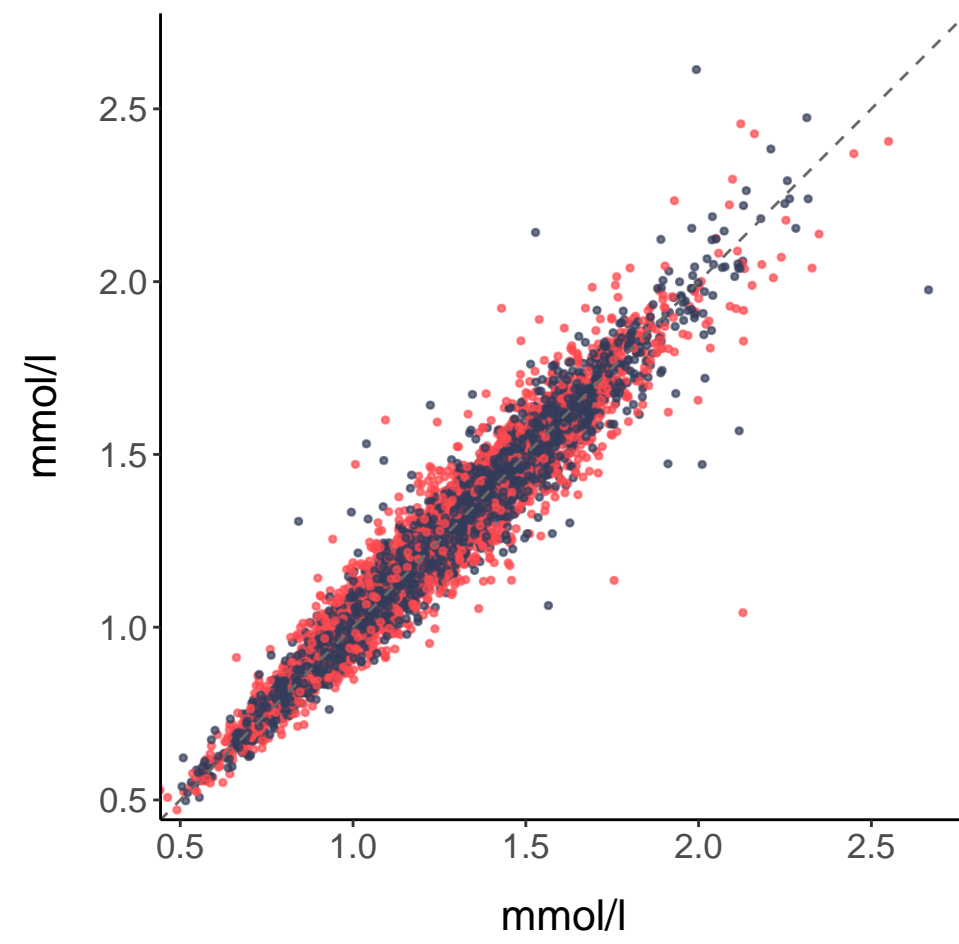


IDL_L

CV: 3.04%, R^2 : 0.93

Different spectrometers

● FALSE ● TRUE

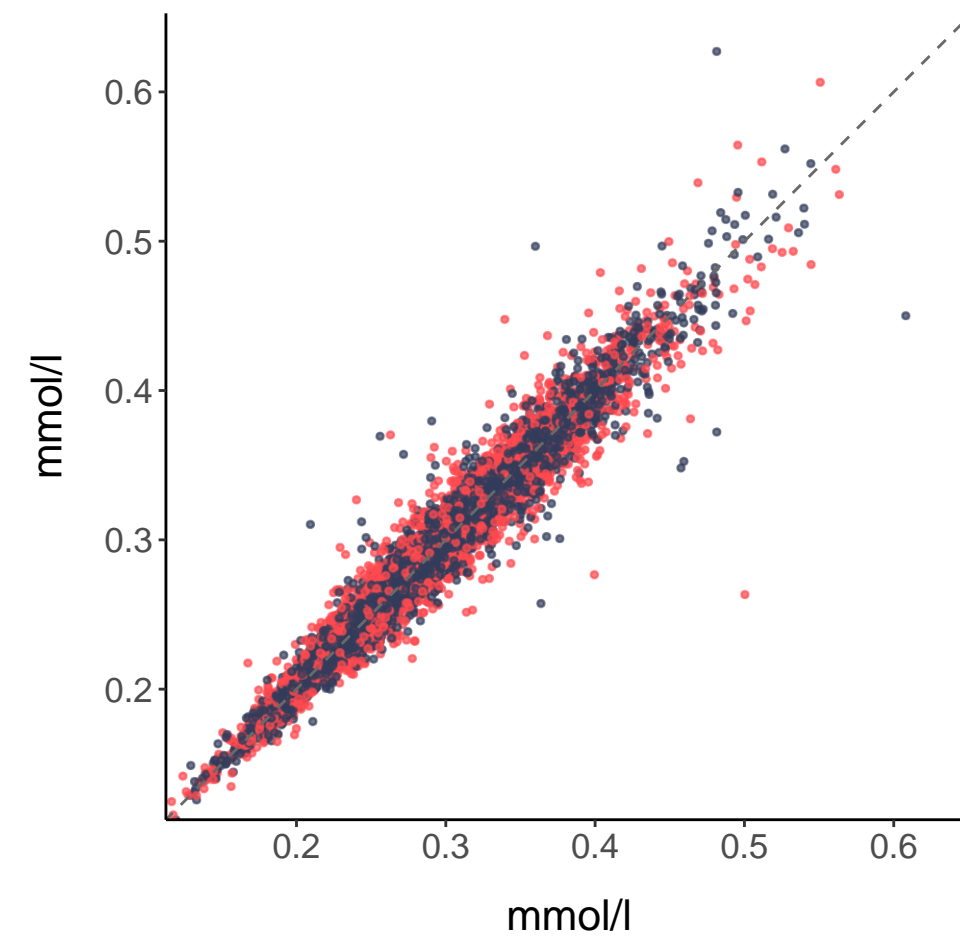


IDL_PL

CV: 2.62%, R^2 : 0.94

Different spectrometers

● FALSE ● TRUE

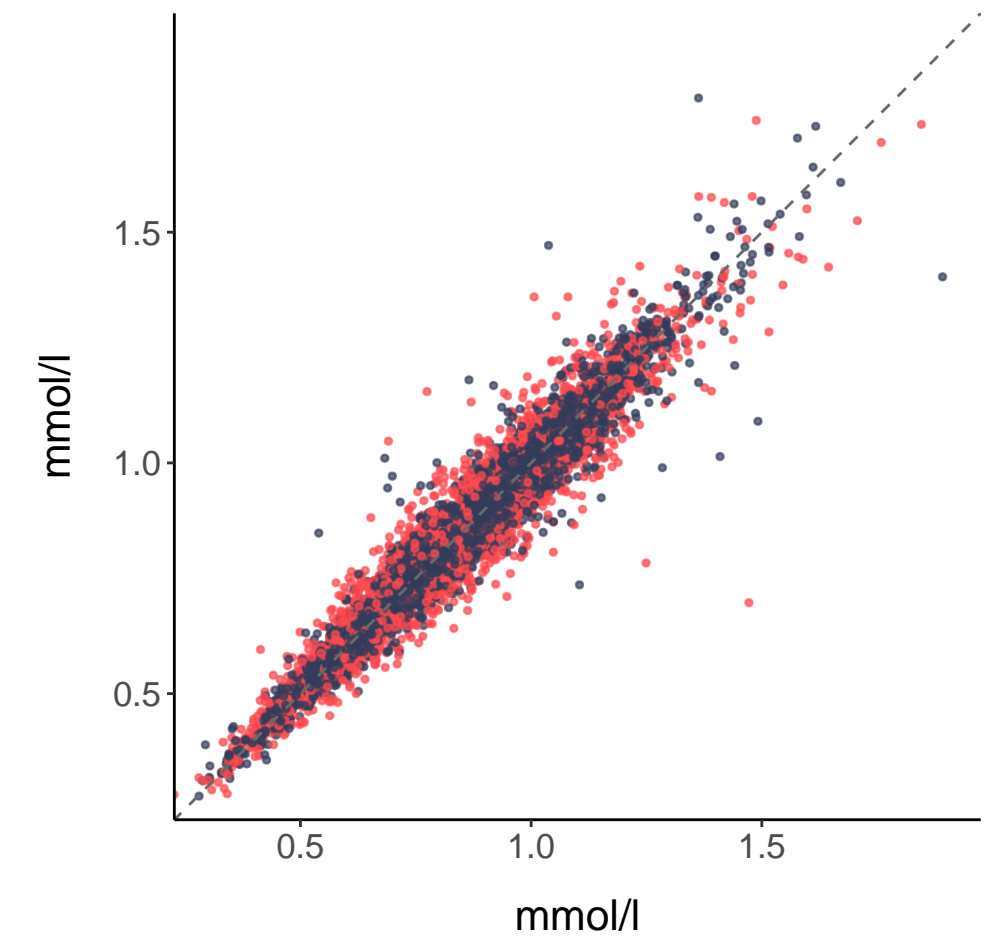


IDL_C

CV: 3.44%, R^2 : 0.93

Different spectrometers

● FALSE ● TRUE

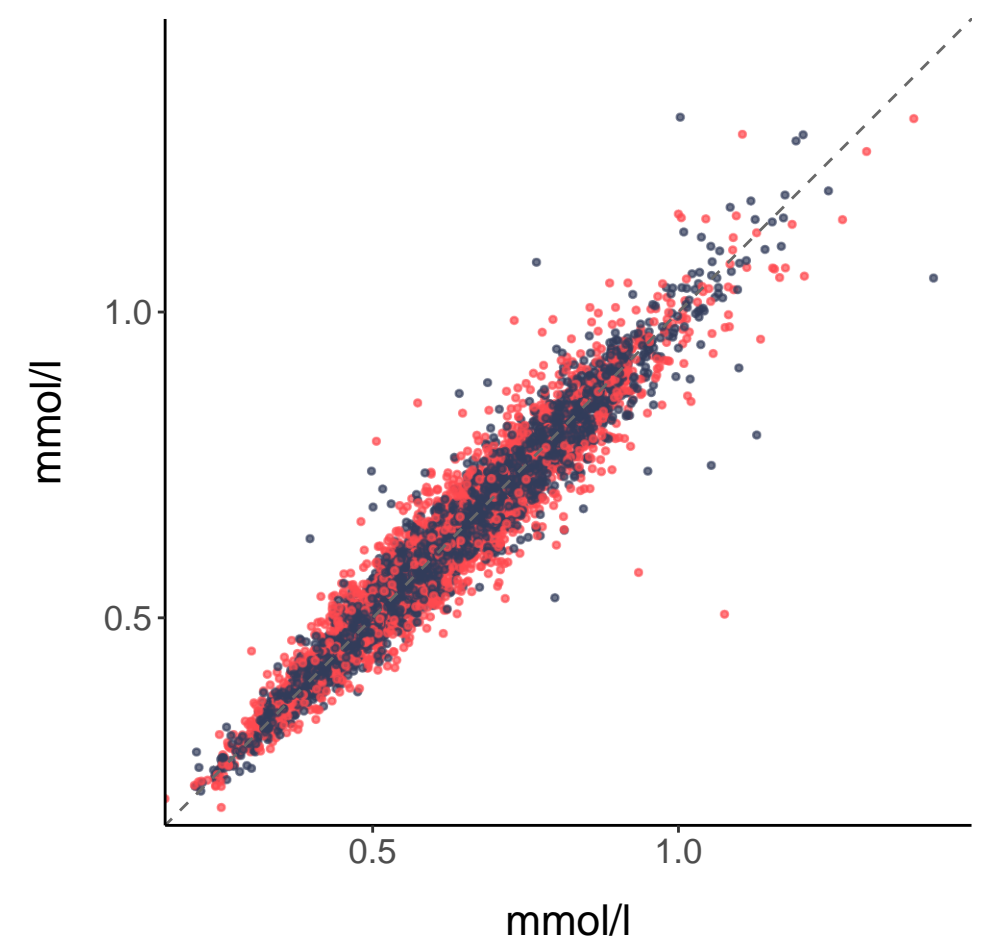


IDL_CE

CV: 3.46%, R^2 : 0.93

Different spectrometers

● FALSE ● TRUE

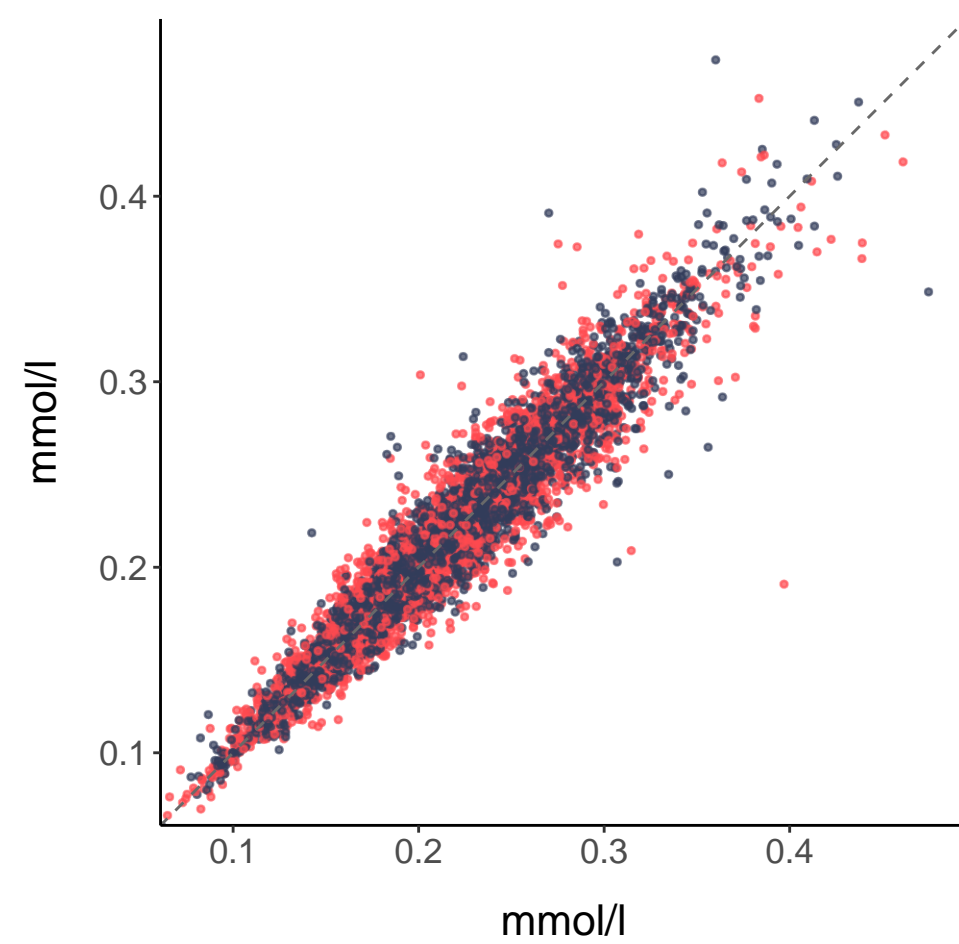


IDL_FC

CV: 3.77%, R^2 : 0.92

Different spectrometers

● FALSE ● TRUE

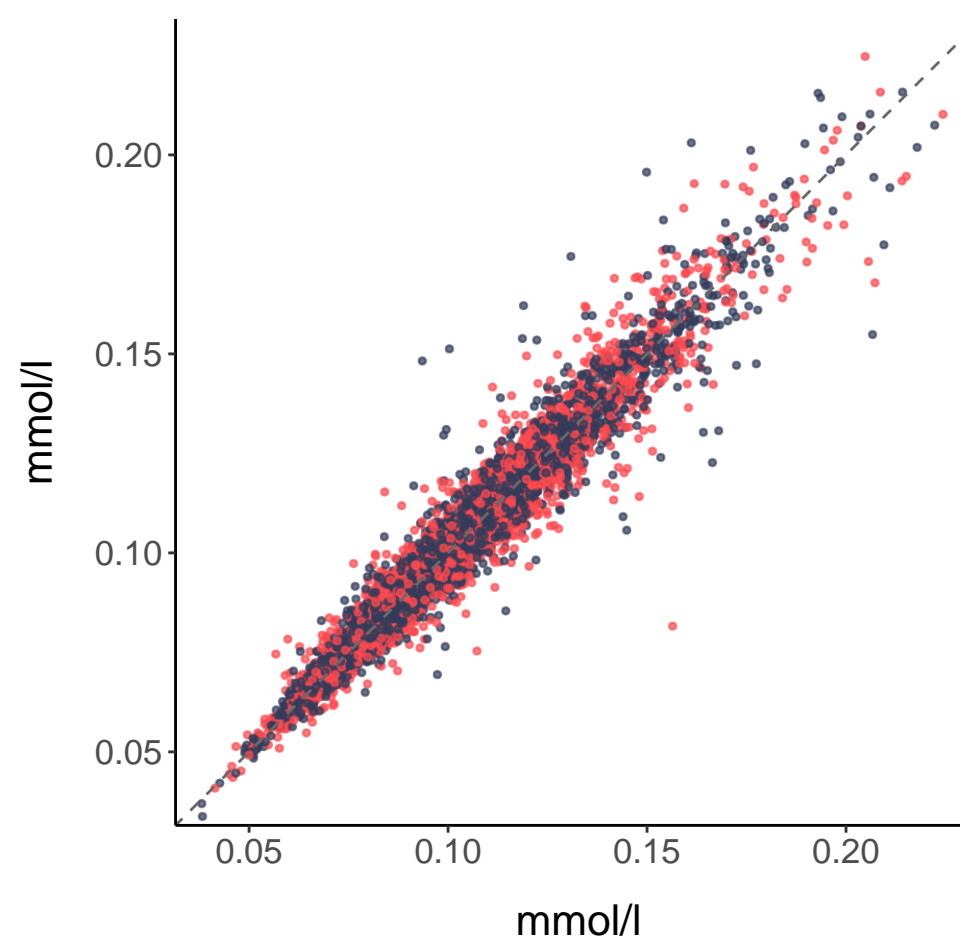


IDL_TG

CV: 2.82%, R^2 : 0.95

Different spectrometers

● FALSE ● TRUE



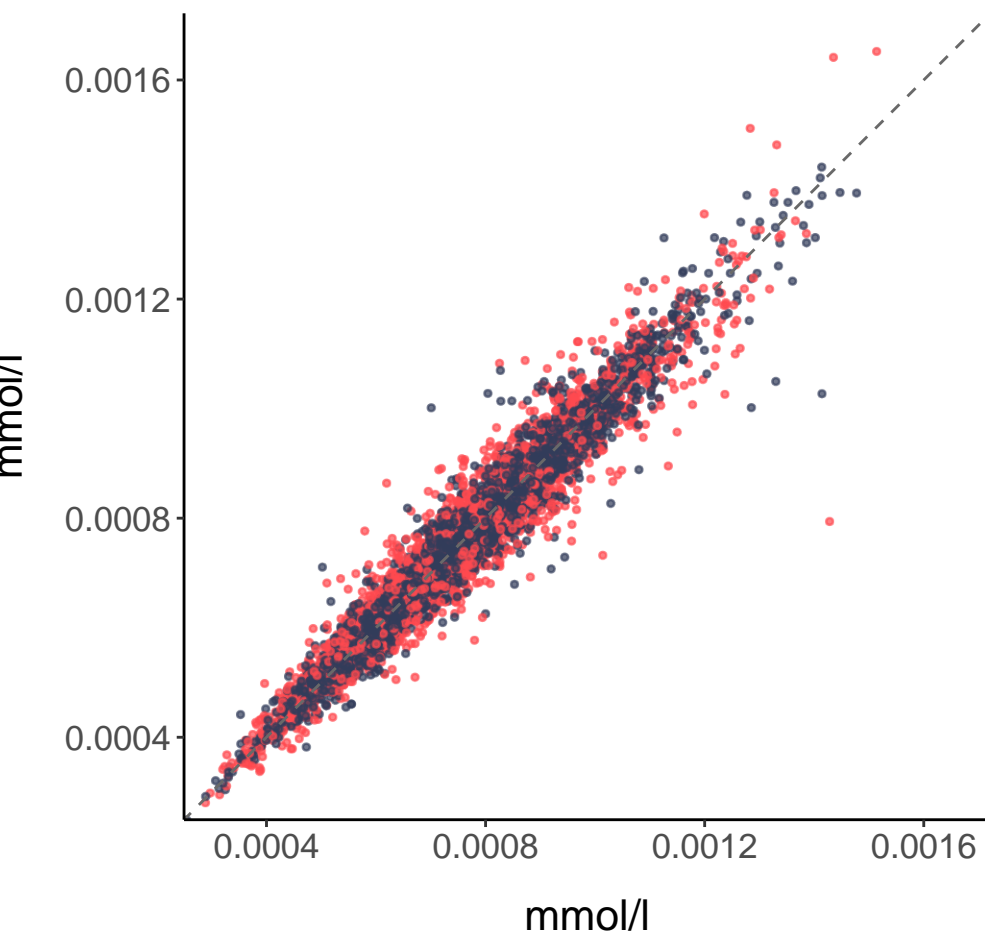
Large LDL (average diameter 25.5 nm)

L_LDL_P

CV: 2.97%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

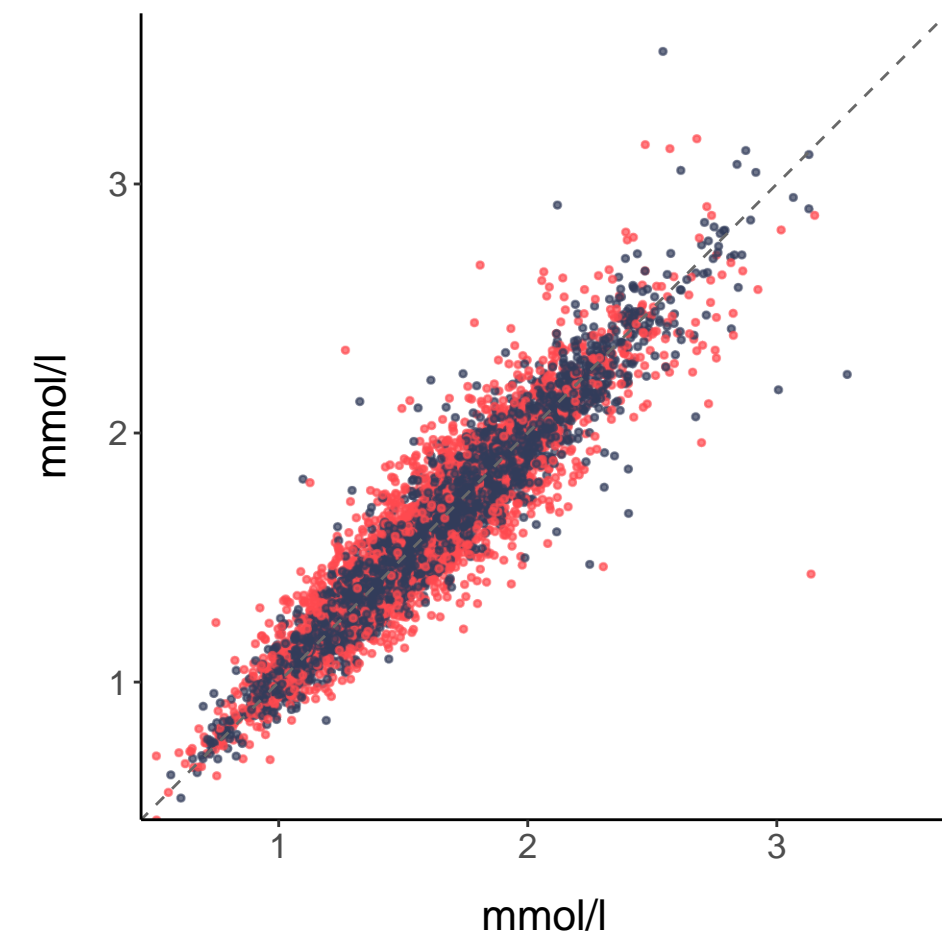


L_LDL_L

CV: 4.11%, R²: 0.88

Different spectrometers

● FALSE ● TRUE

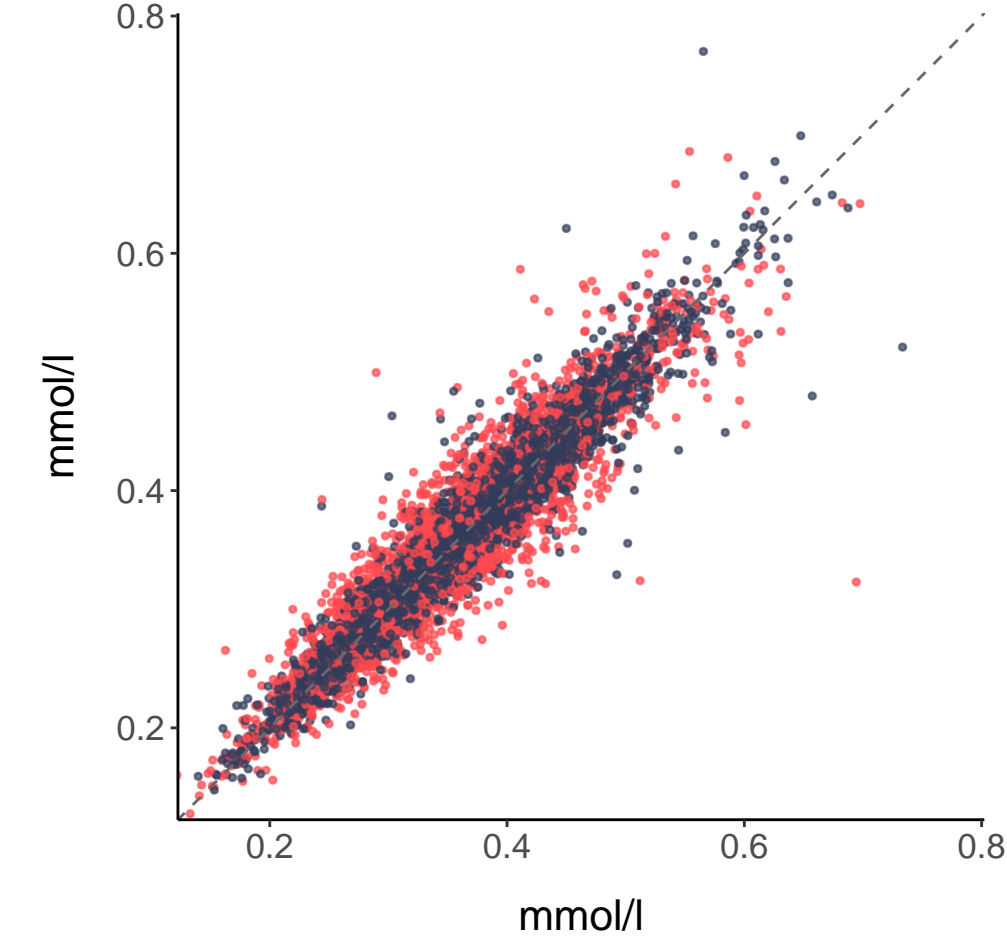


L_LDL_PL

CV: 3.81%, R²: 0.89

Different spectrometers

● FALSE ● TRUE

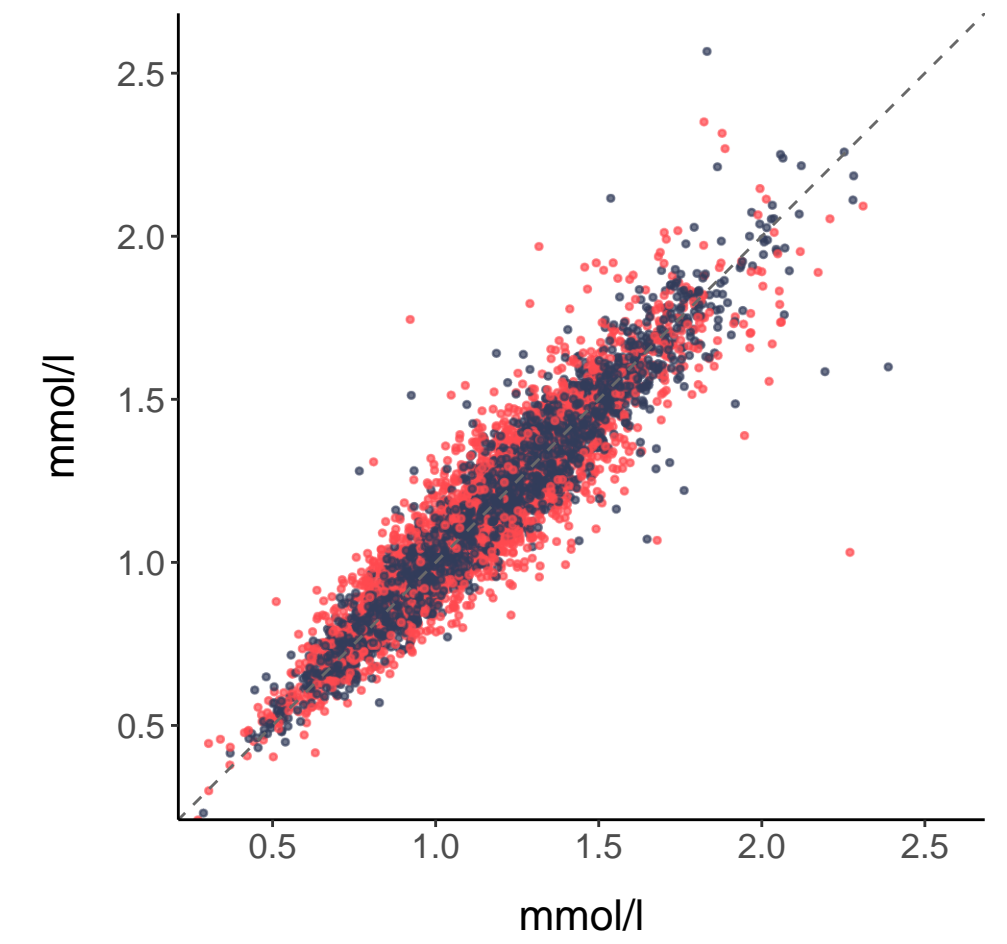


L_LDL_C

CV: 4.38%, R²: 0.88

Different spectrometers

● FALSE ● TRUE

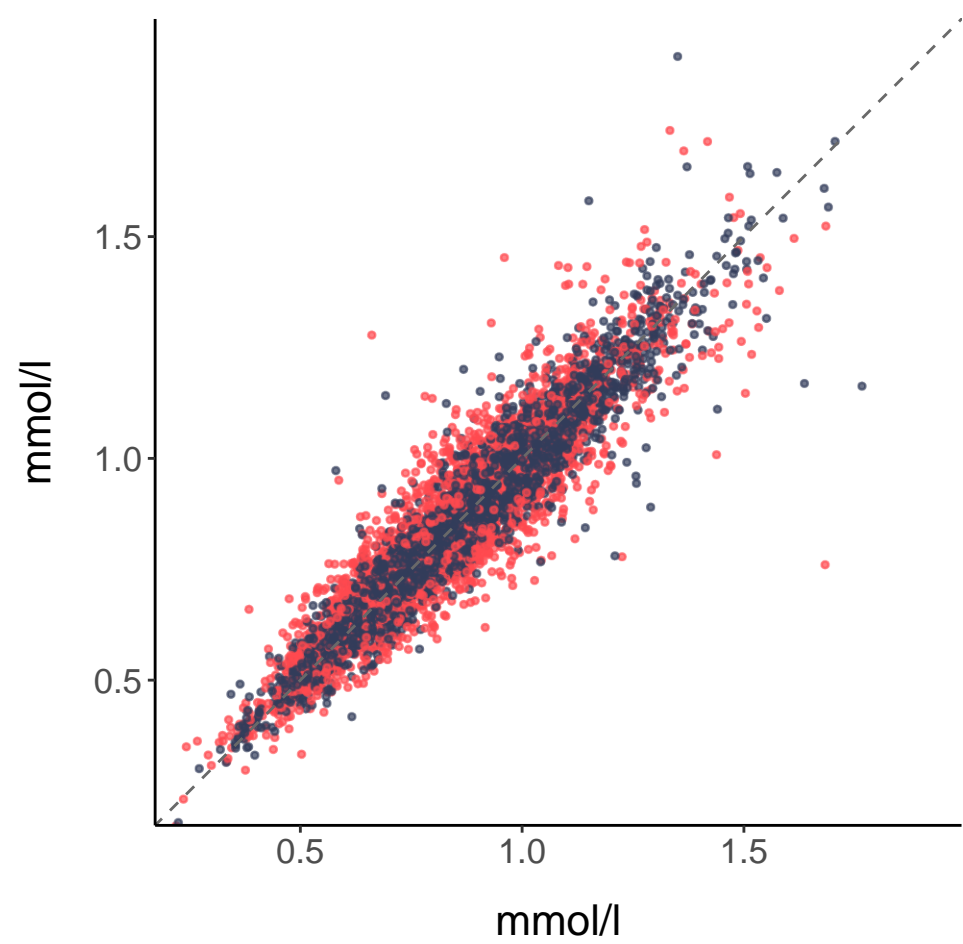


L_LDL_CE

CV: 4.5%, R²: 0.87

Different spectrometers

● FALSE ● TRUE

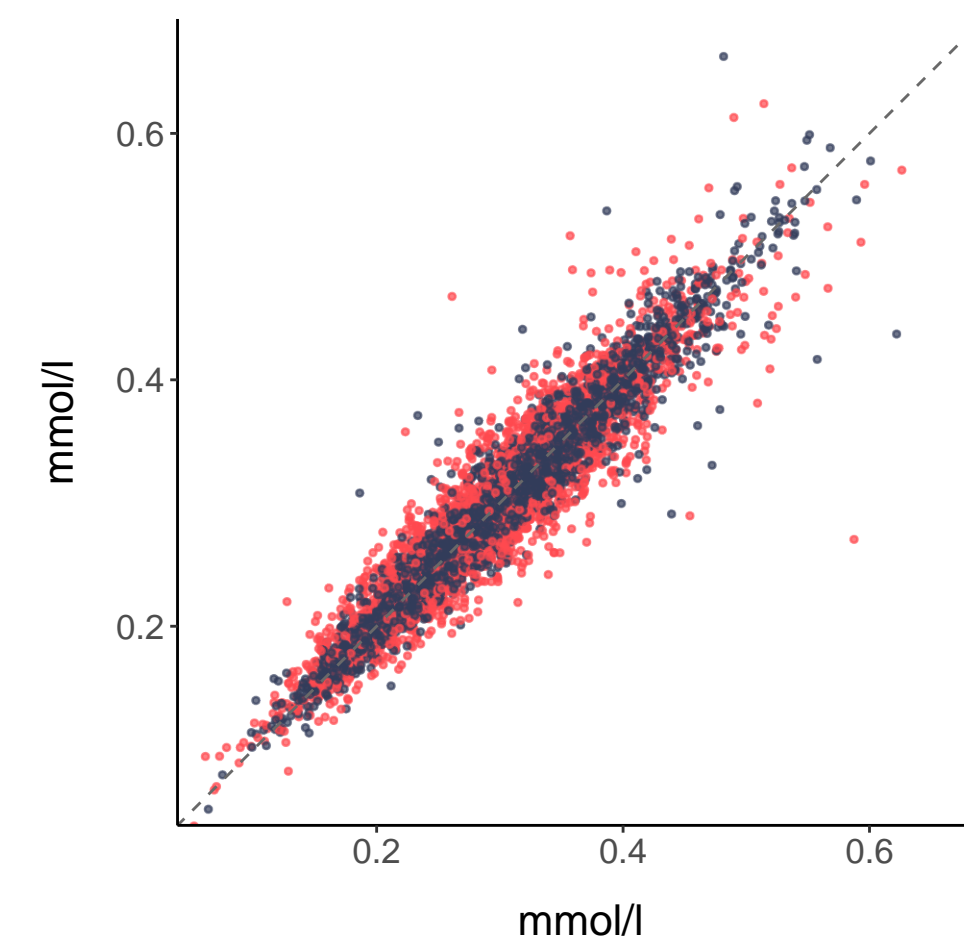


L_LDL_FC

CV: 4.2%, R²: 0.9

Different spectrometers

● FALSE ● TRUE

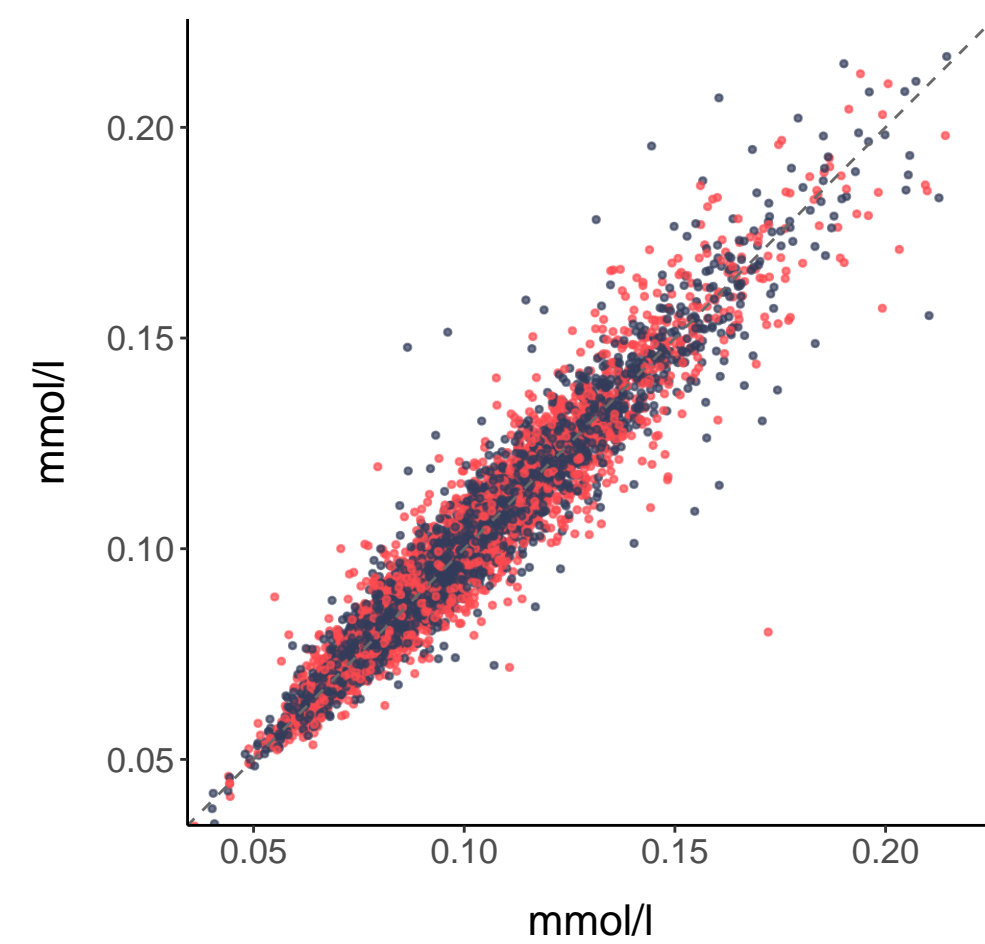


L_LDL_TG

CV: 3.38%, R²: 0.92

Different spectrometers

● FALSE ● TRUE



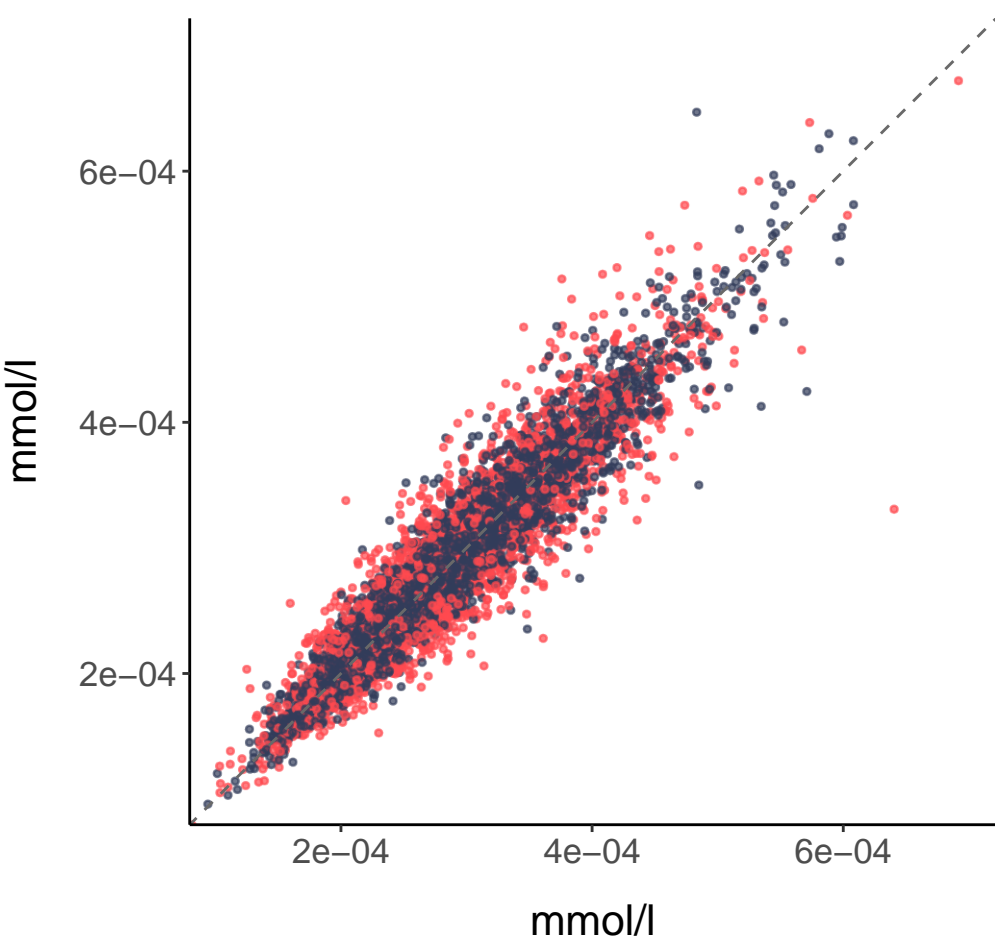
Medium LDL (average diameter 23 nm)

M_LDL_P

CV: 4.62%, R²: 0.88

Different spectrometers

● FALSE ● TRUE

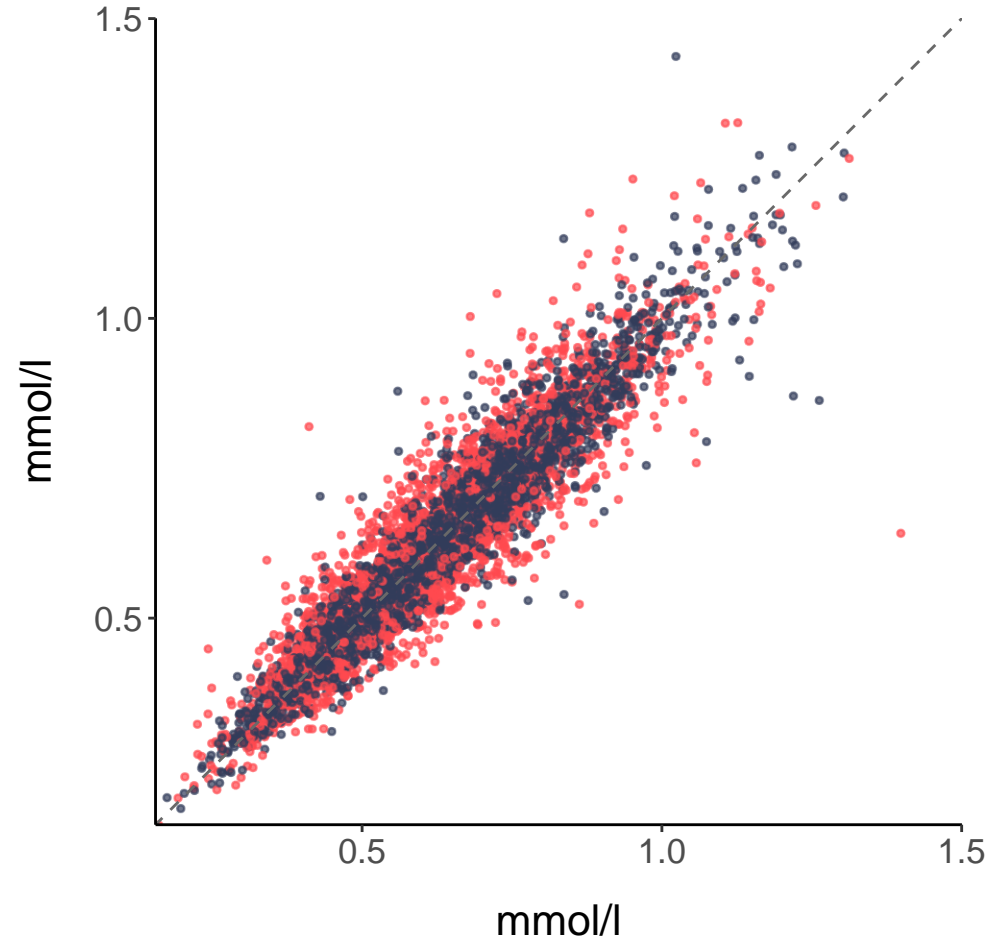


M_LDL_L

CV: 4.76%, R²: 0.88

Different spectrometers

● FALSE ● TRUE

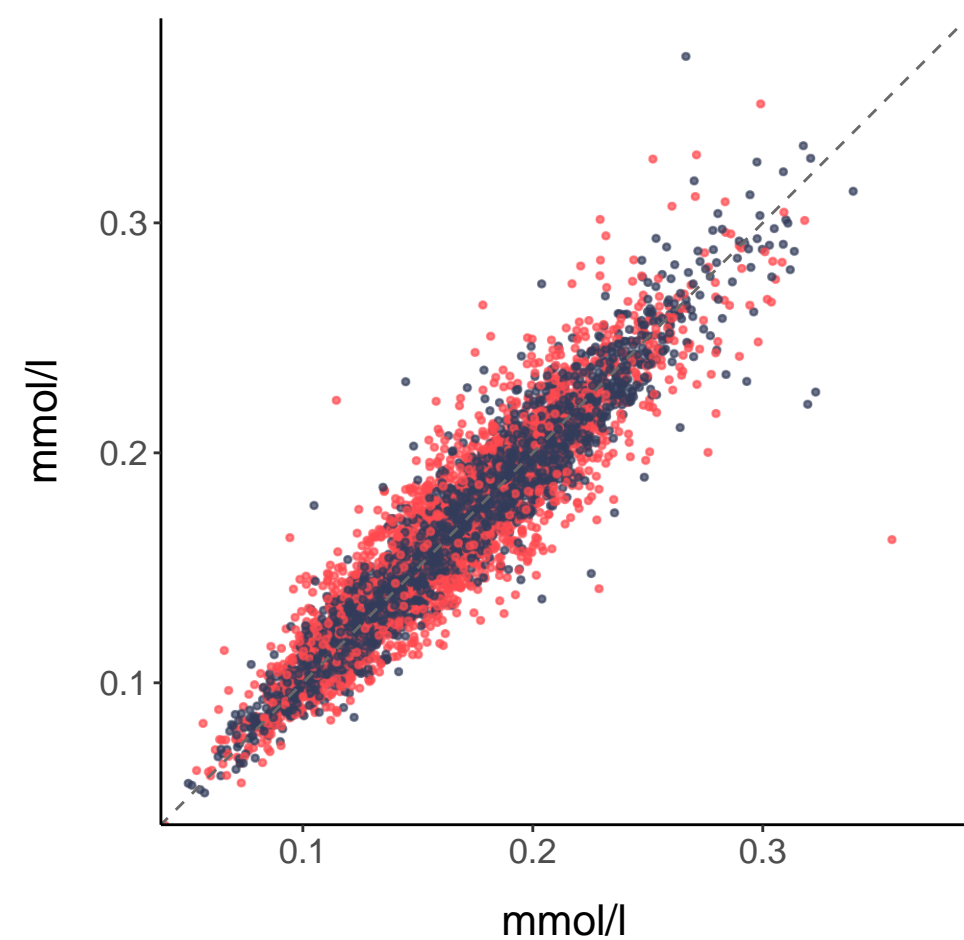


M_LDL_PL

CV: 4.64%, R²: 0.88

Different spectrometers

● FALSE ● TRUE

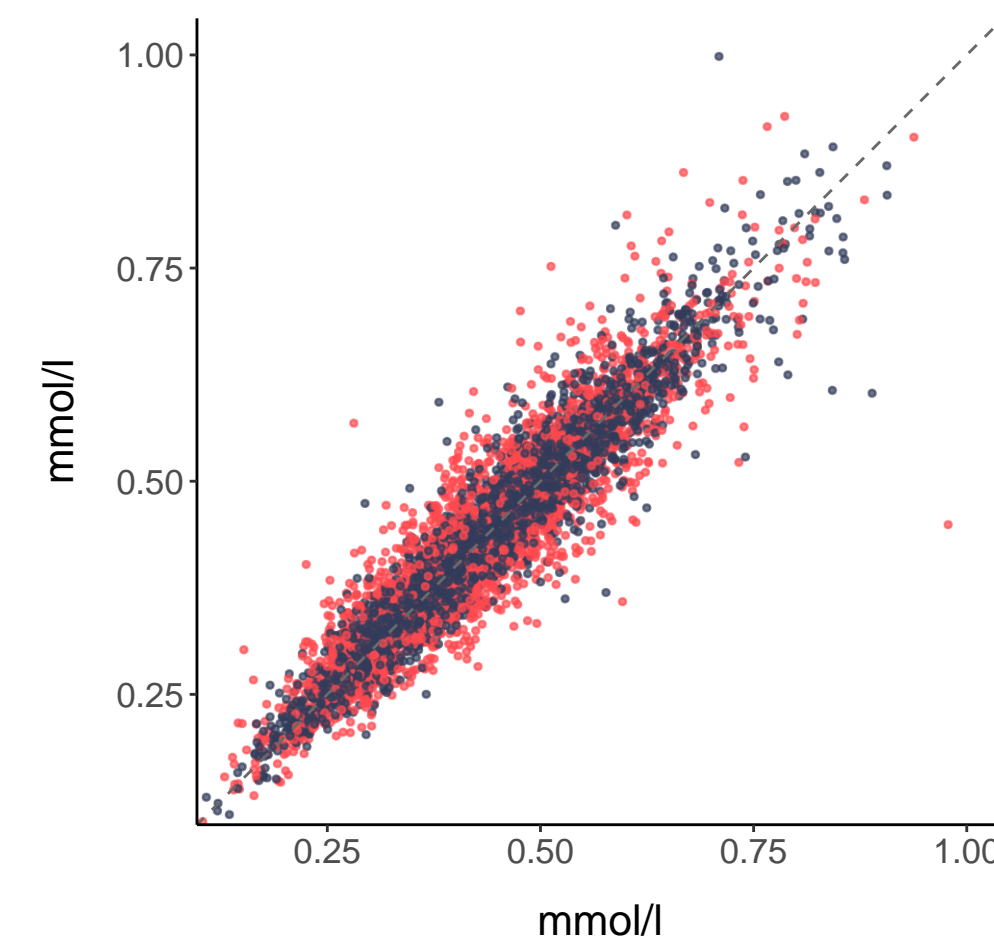


M_LDL_C

CV: 4.98%, R²: 0.88

Different spectrometers

● FALSE ● TRUE

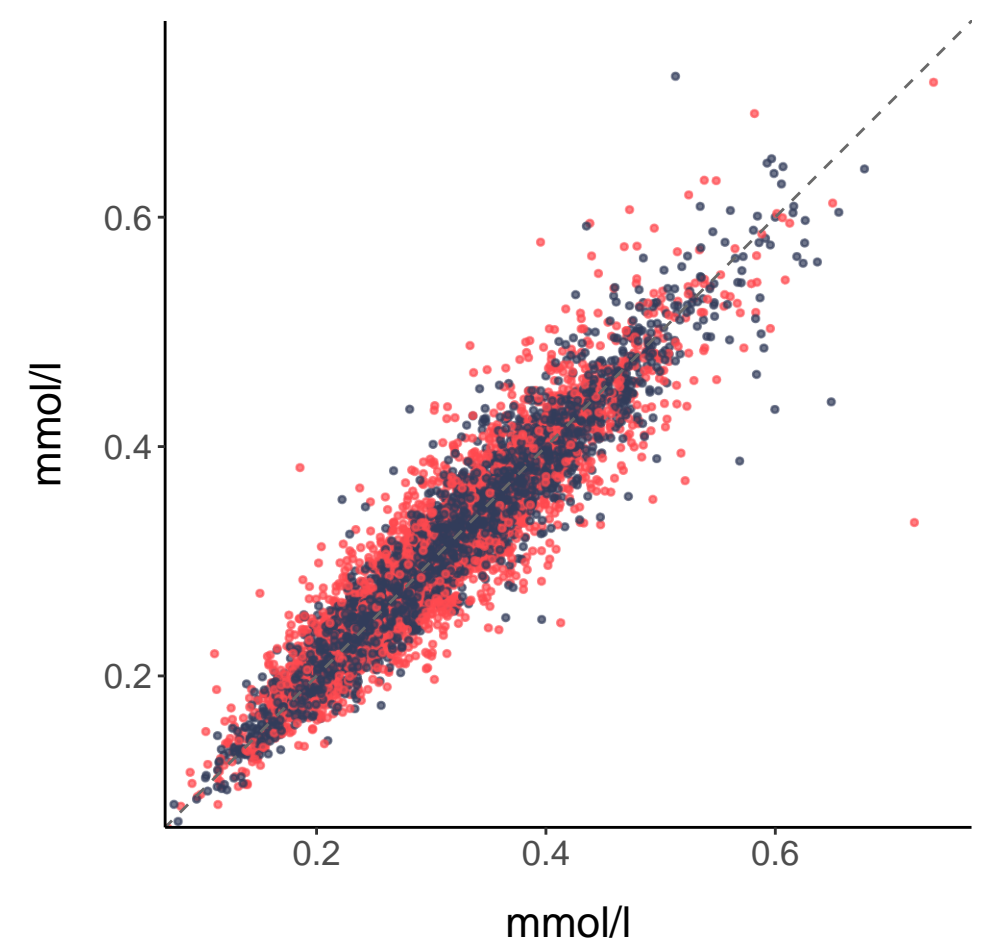


M_LDL_CE

CV: 5.06%, R²: 0.88

Different spectrometers

● FALSE ● TRUE

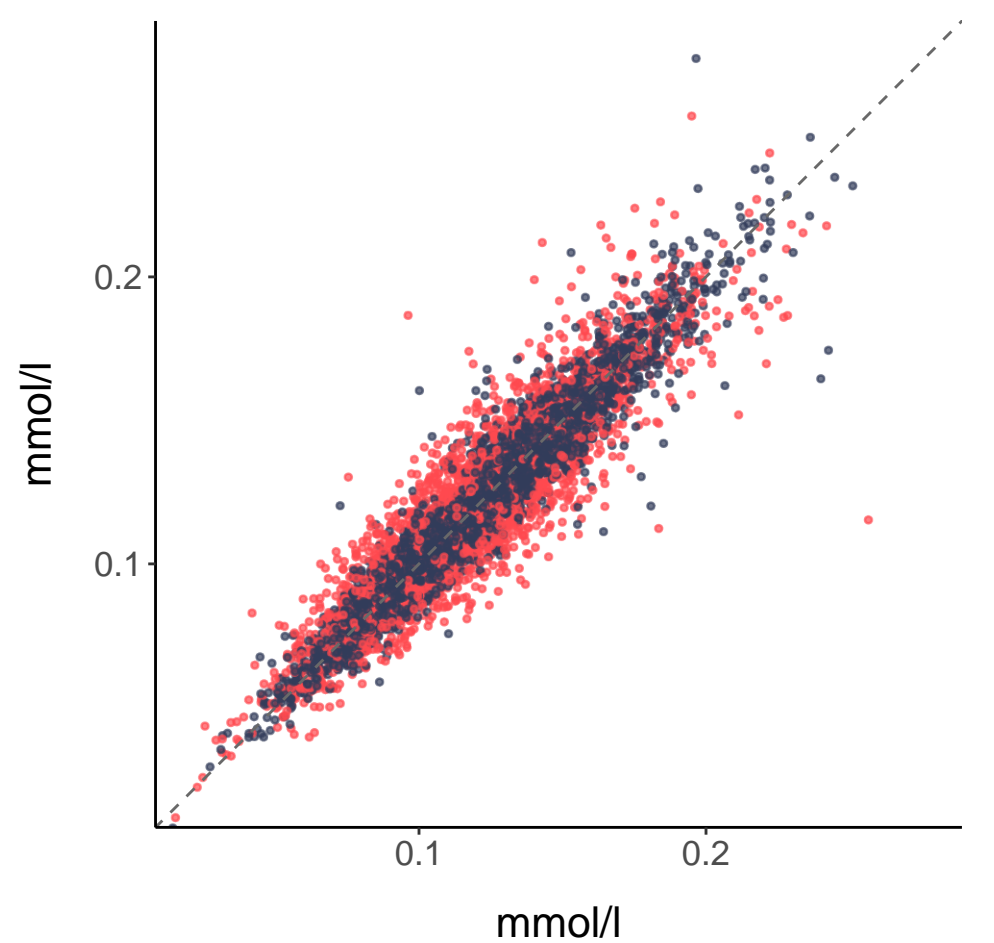


M_LDL_FC

CV: 5.02%, R²: 0.88

Different spectrometers

● FALSE ● TRUE

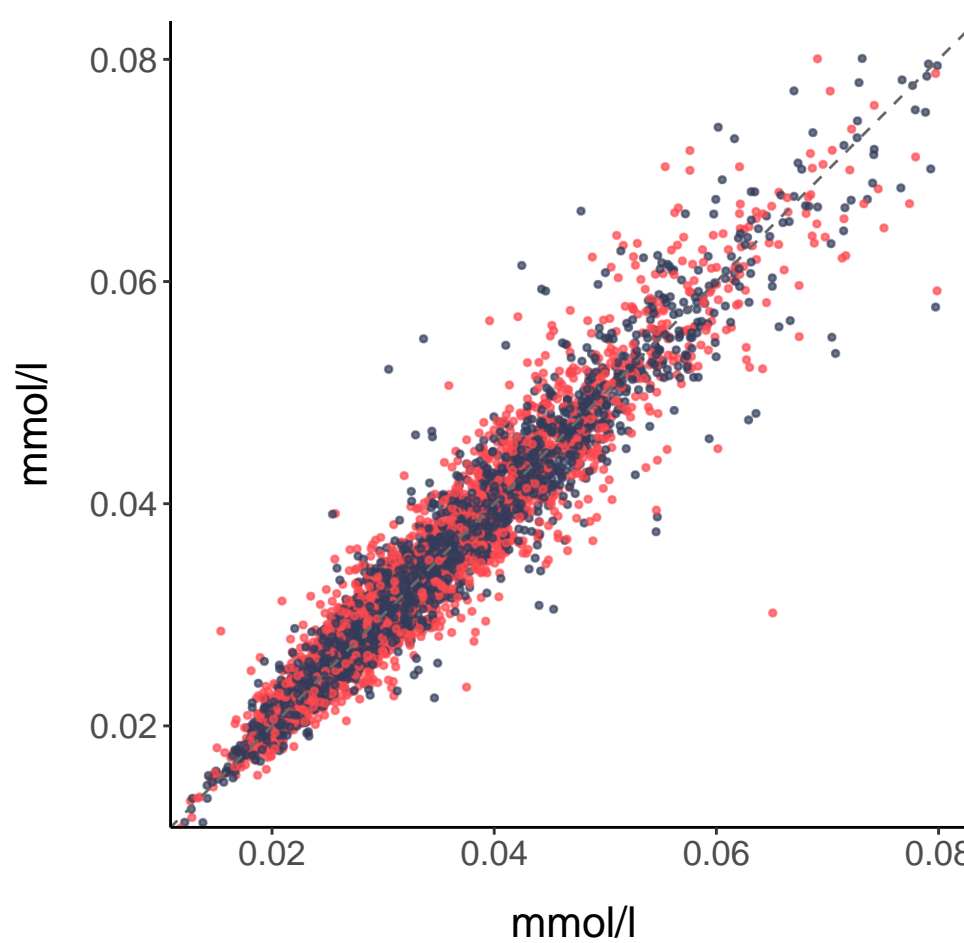


M_LDL_TG

CV: 3.91%, R²: 0.93

Different spectrometers

● FALSE ● TRUE



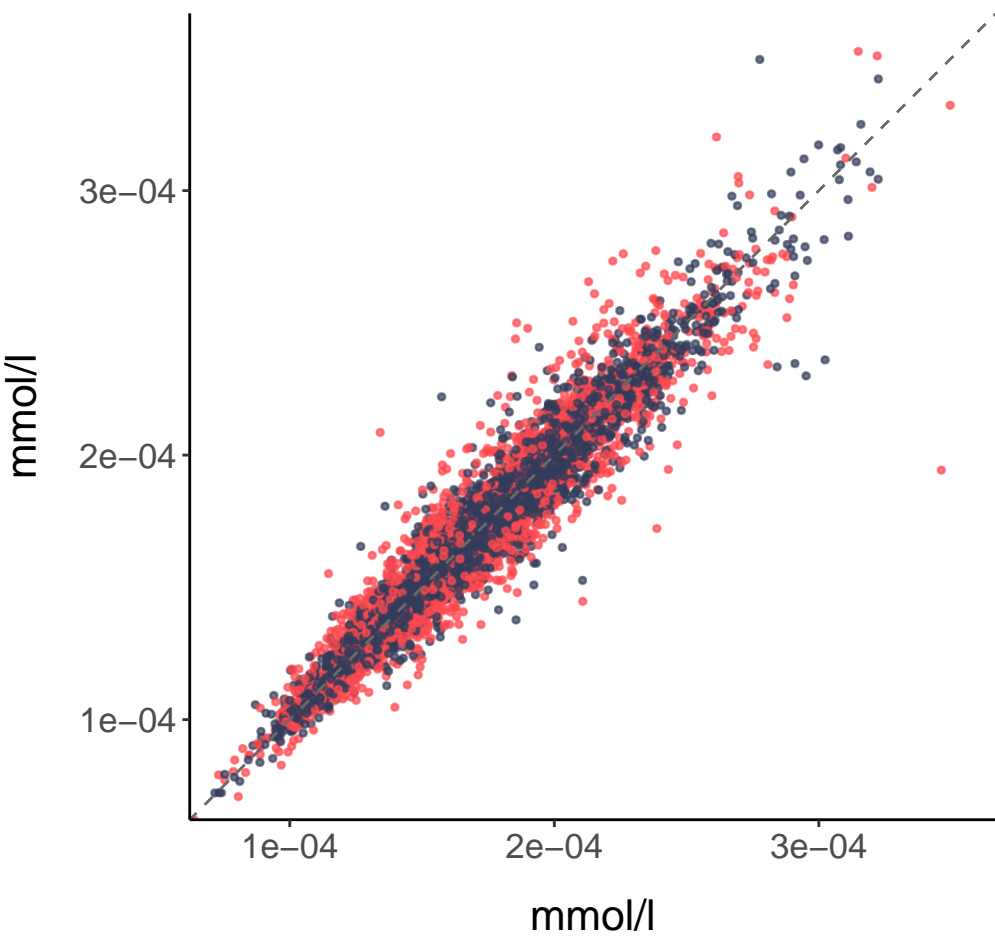
Small LDL (average diameter 18.7 nm)

S_LDL_P

CV: 3.06%, R^2 : 0.92

Different spectrometers

● FALSE ● TRUE

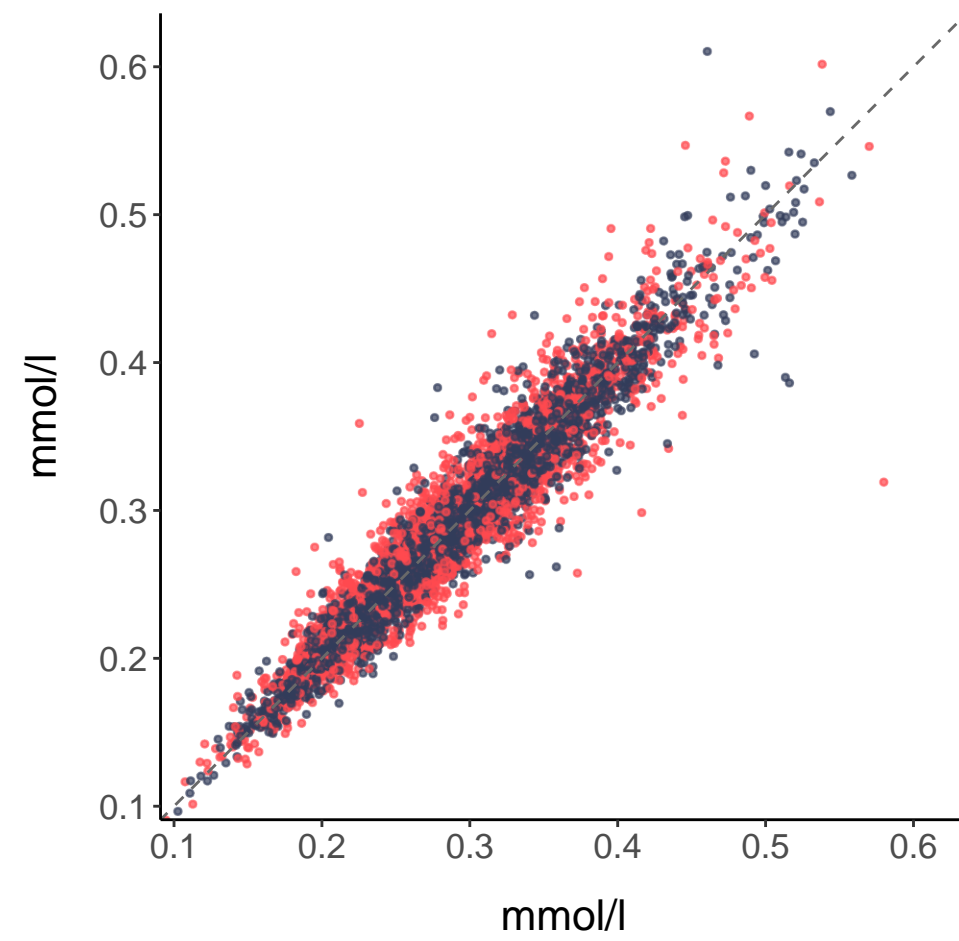


S_LDL_L

CV: 3.22%, R^2 : 0.92

Different spectrometers

● FALSE ● TRUE

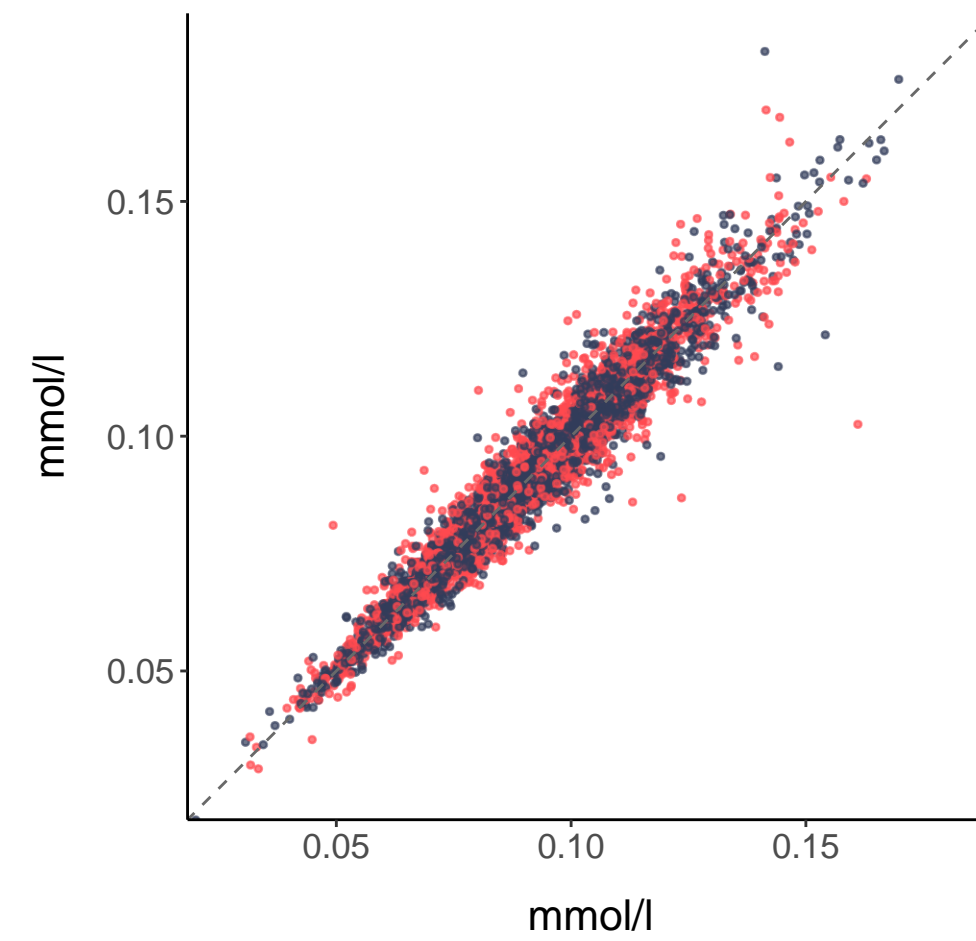


S_LDL_PL

CV: 2.51%, R^2 : 0.94

Different spectrometers

● FALSE ● TRUE

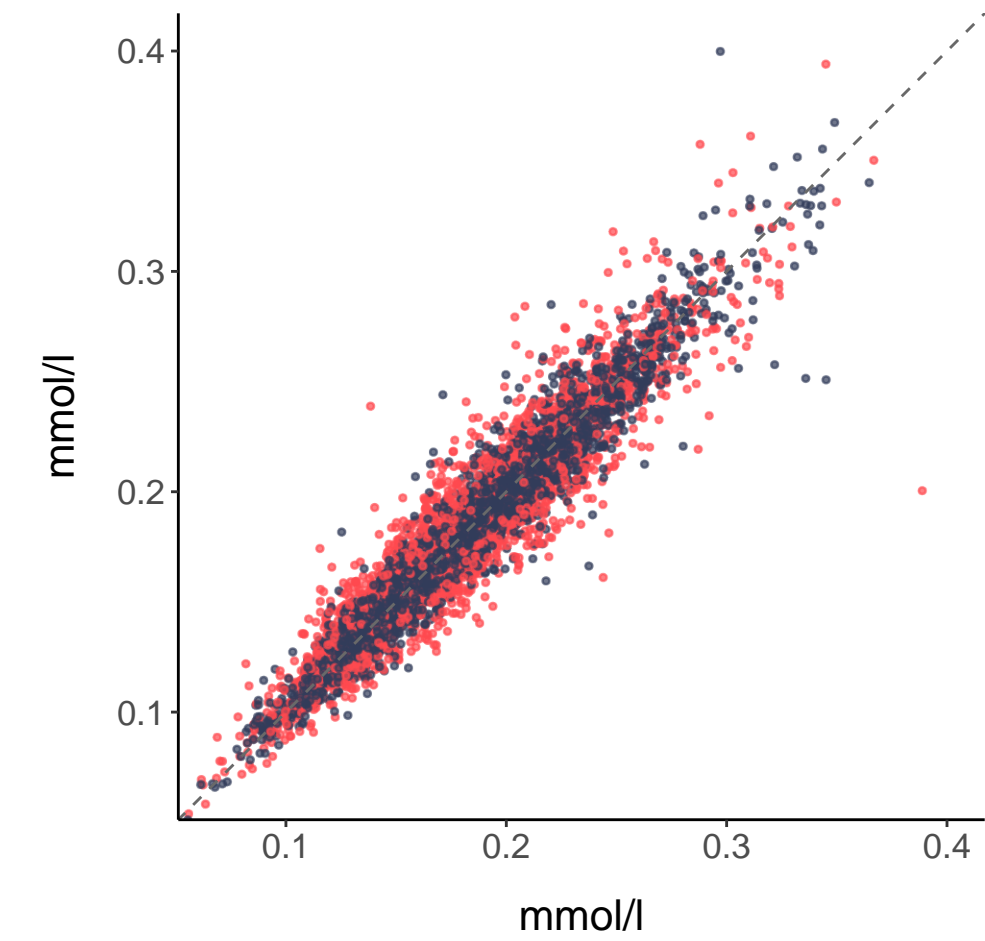


S_LDL_C

CV: 3.77%, R^2 : 0.91

Different spectrometers

● FALSE ● TRUE

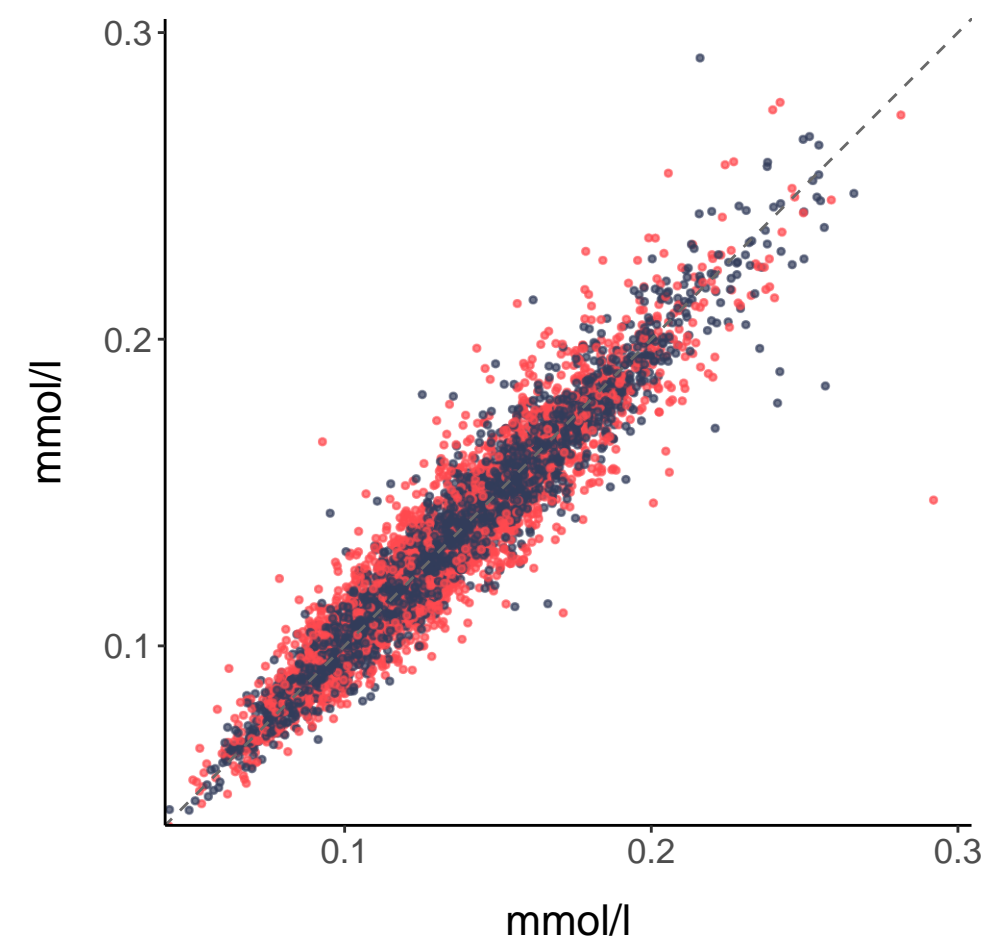


S_LDL_CE

CV: 3.84%, R^2 : 0.91

Different spectrometers

● FALSE ● TRUE

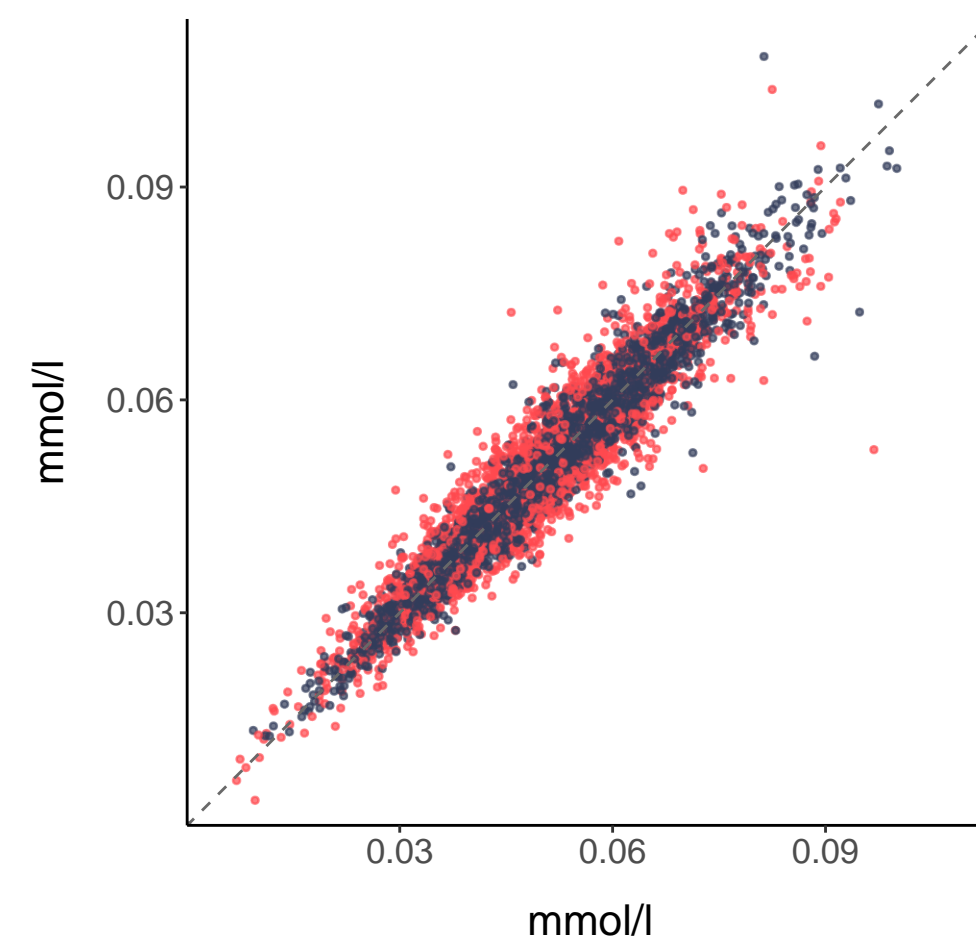


S_LDL_FC

CV: 3.91%, R^2 : 0.92

Different spectrometers

● FALSE ● TRUE

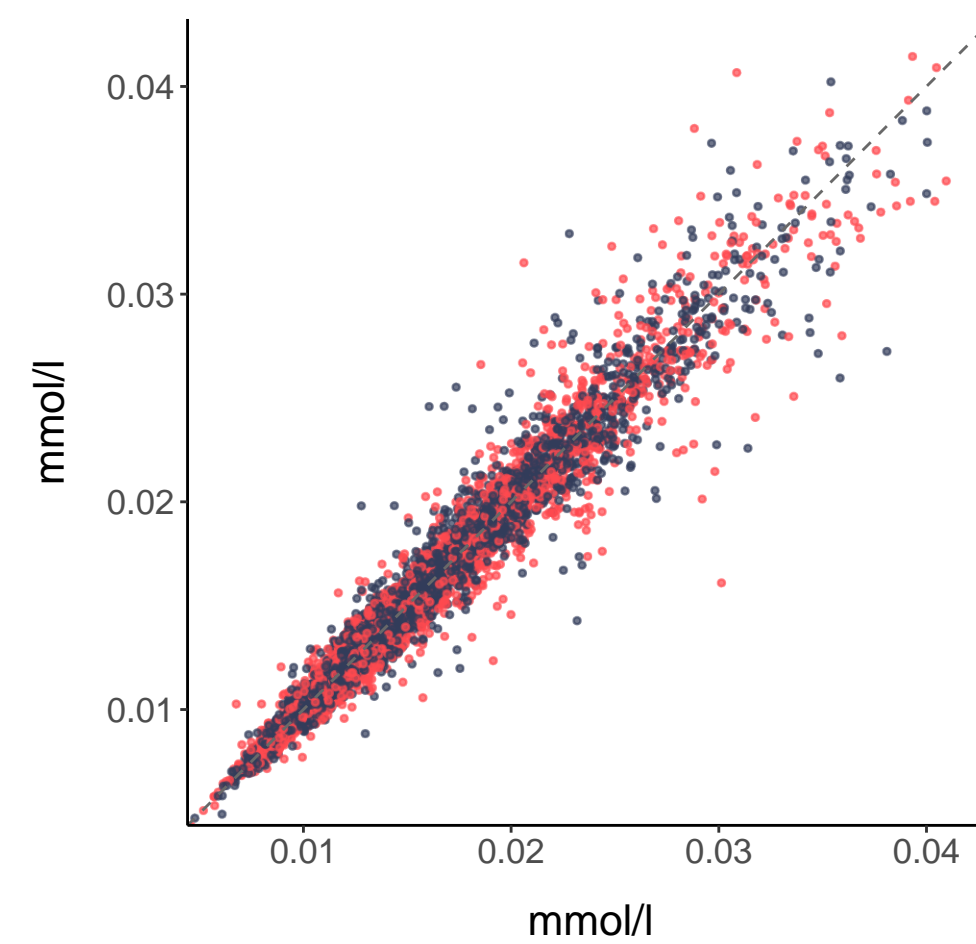


S_LDL_TG

CV: 3.24%, R^2 : 0.95

Different spectrometers

● FALSE ● TRUE



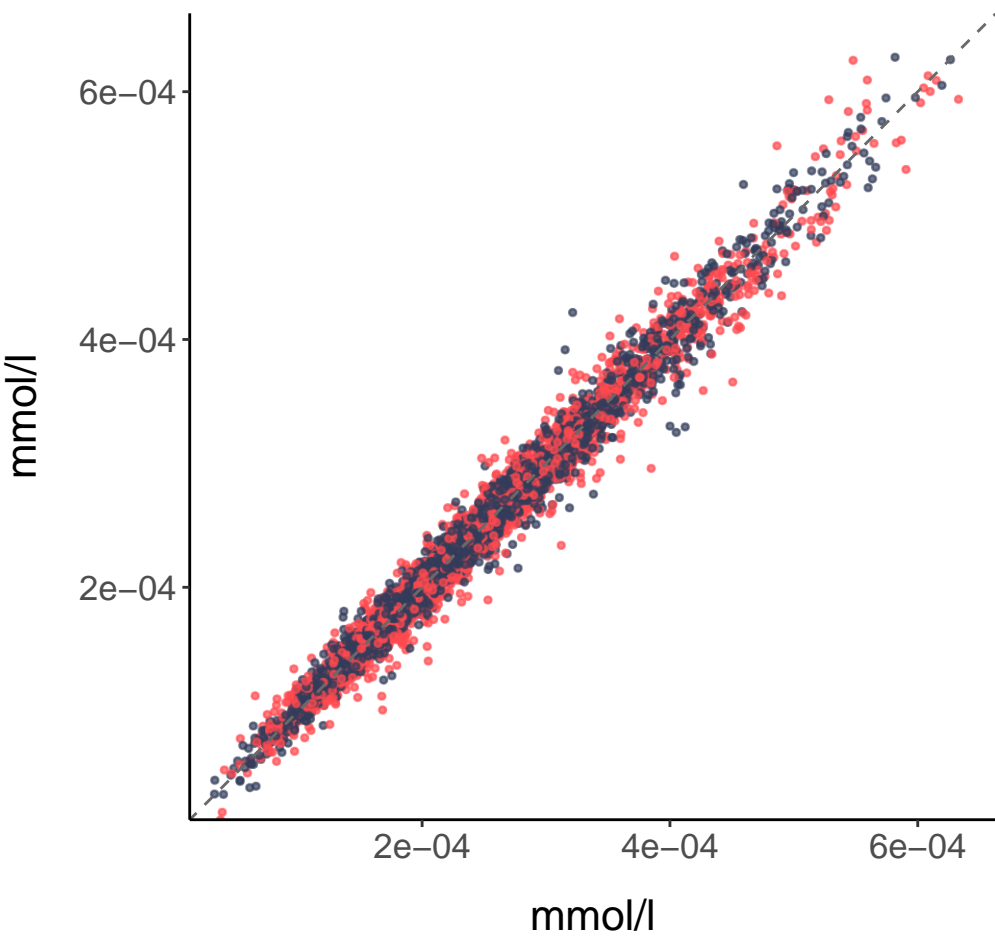
Very large HDL (average diameter 14.3 nm)

XL_HDL_P

CV: 2.97%, R^2 : 0.98

Different spectrometers

● FALSE ● TRUE

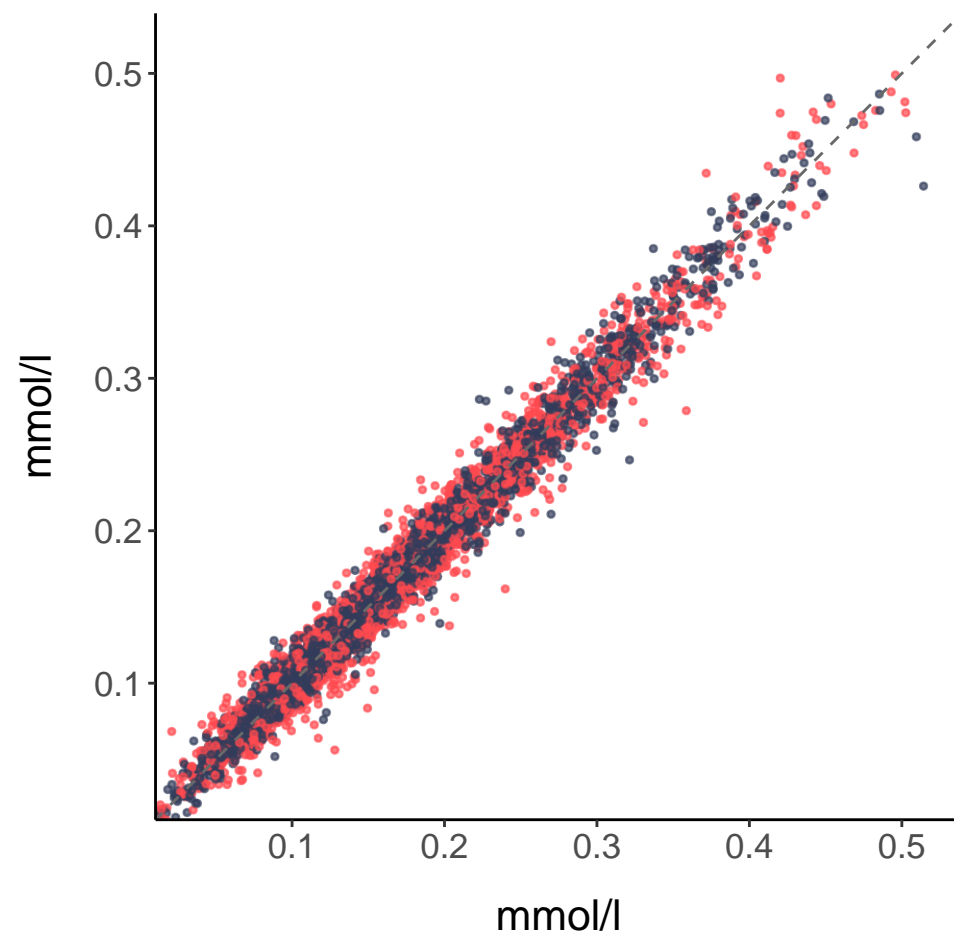


XL_HDL_L

CV: 4.41%, R^2 : 0.98

Different spectrometers

● FALSE ● TRUE

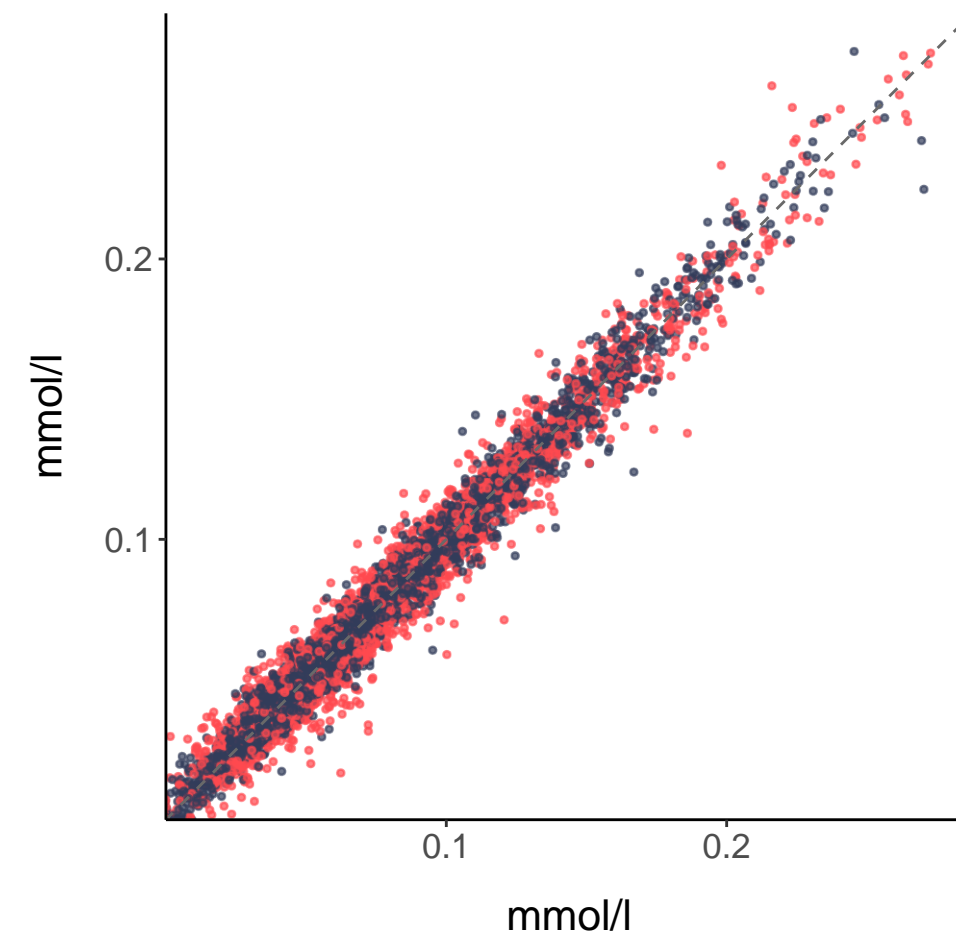


XL_HDL_PL

CV: 7.41%, R^2 : 0.97

Different spectrometers

● FALSE ● TRUE

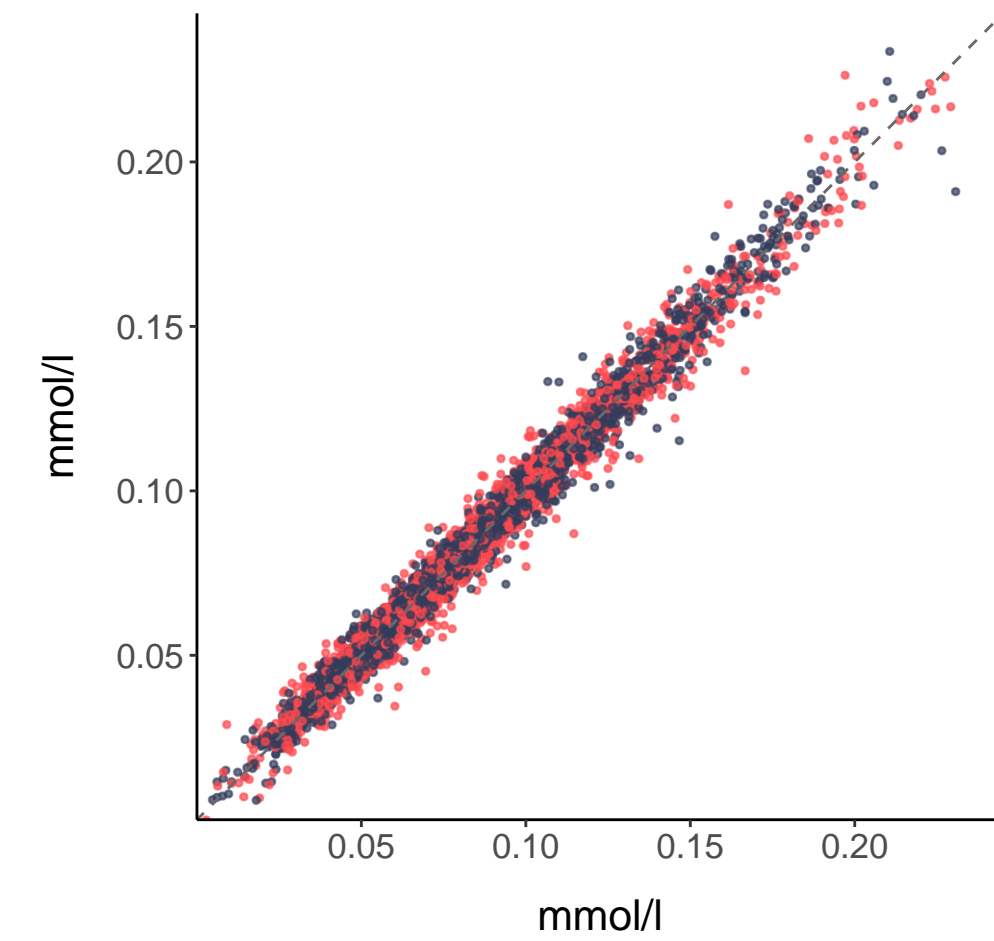


XL_HDL_C

CV: 3.29%, R^2 : 0.98

Different spectrometers

● FALSE ● TRUE

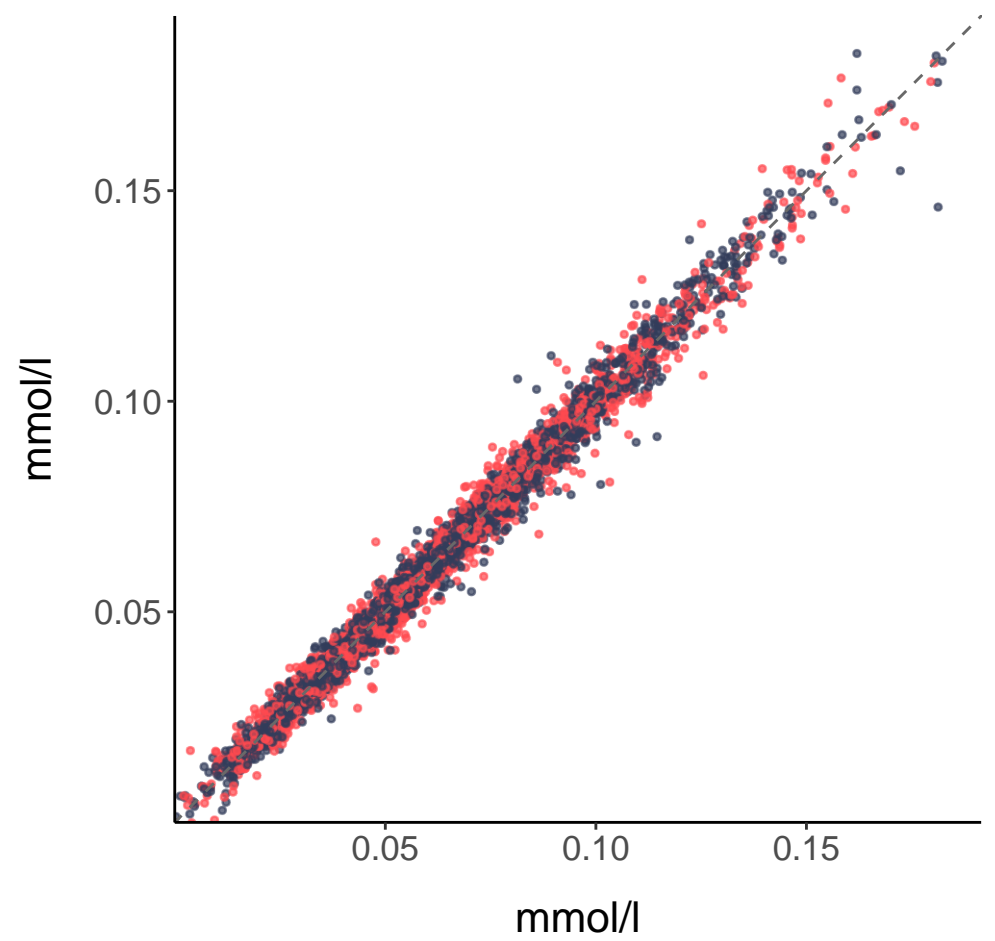


XL_HDL_CE

CV: 3.39%, R^2 : 0.99

Different spectrometers

● FALSE ● TRUE

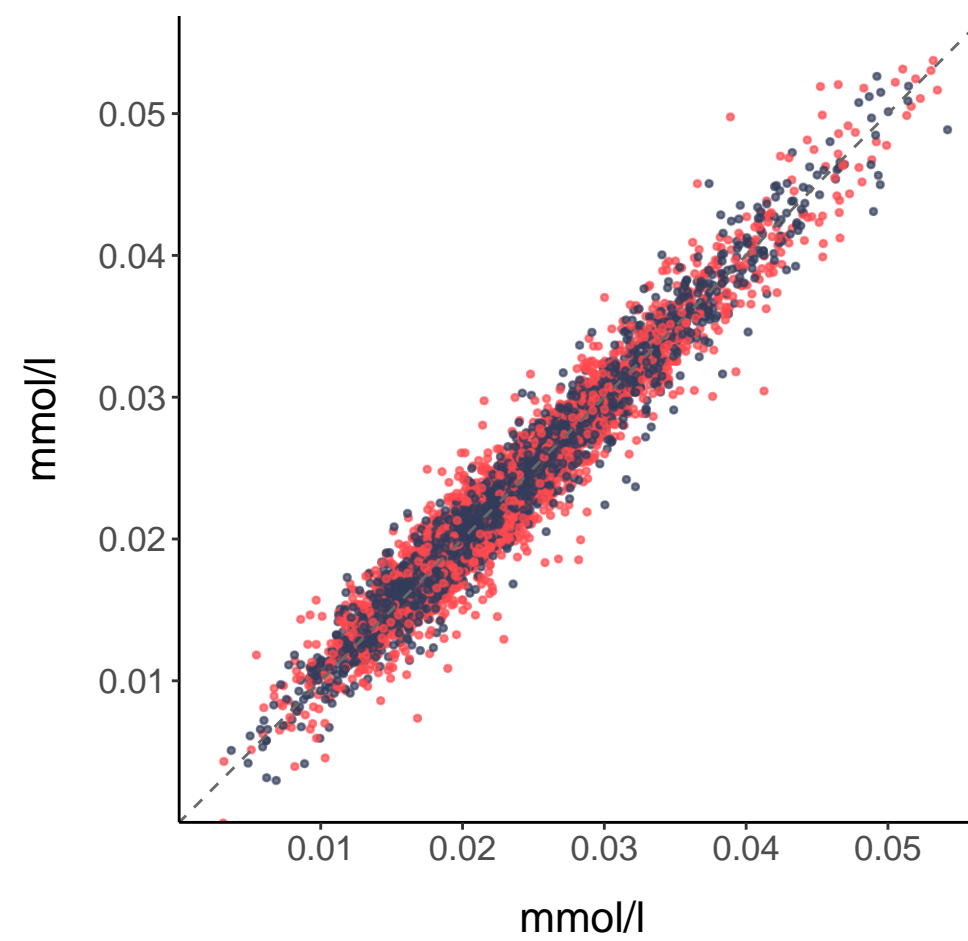


XL_HDL_FC

CV: 4.15%, R^2 : 0.94

Different spectrometers

● FALSE ● TRUE

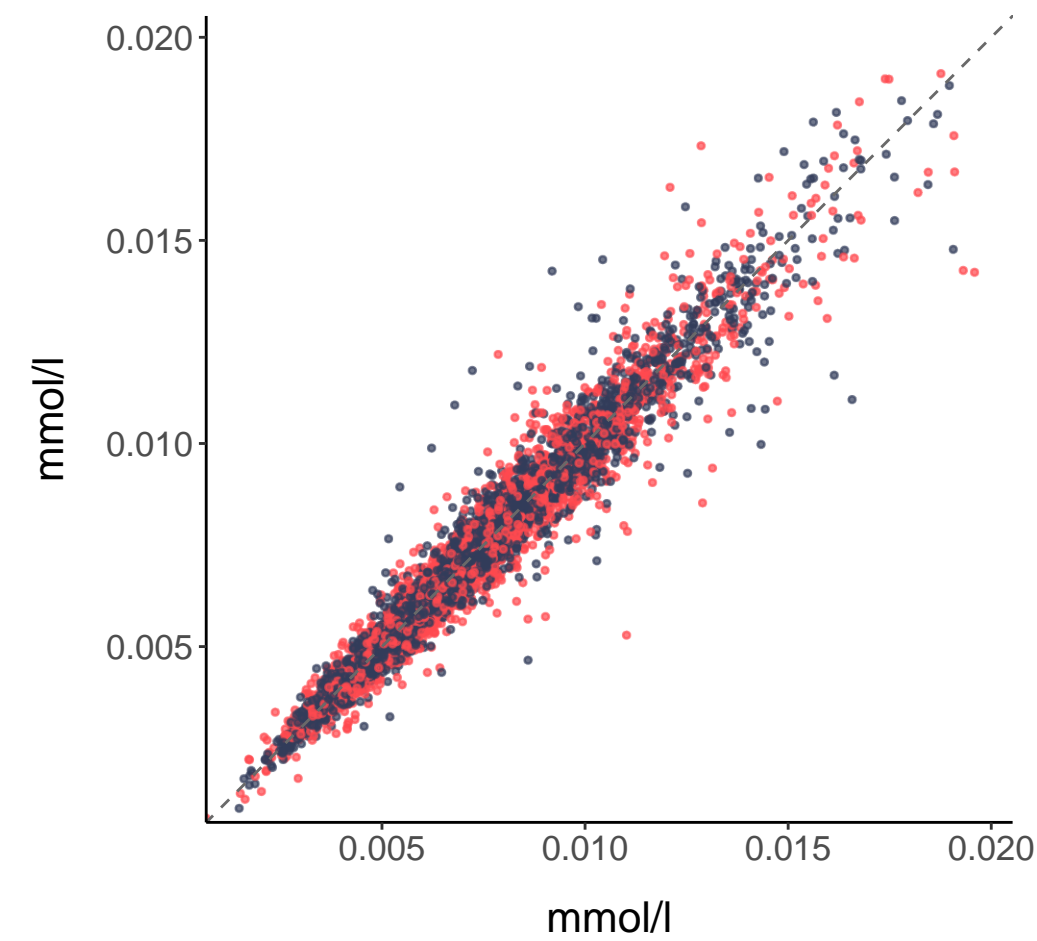


XL_HDL_TG

CV: 3.88%, R^2 : 0.95

Different spectrometers

● FALSE ● TRUE



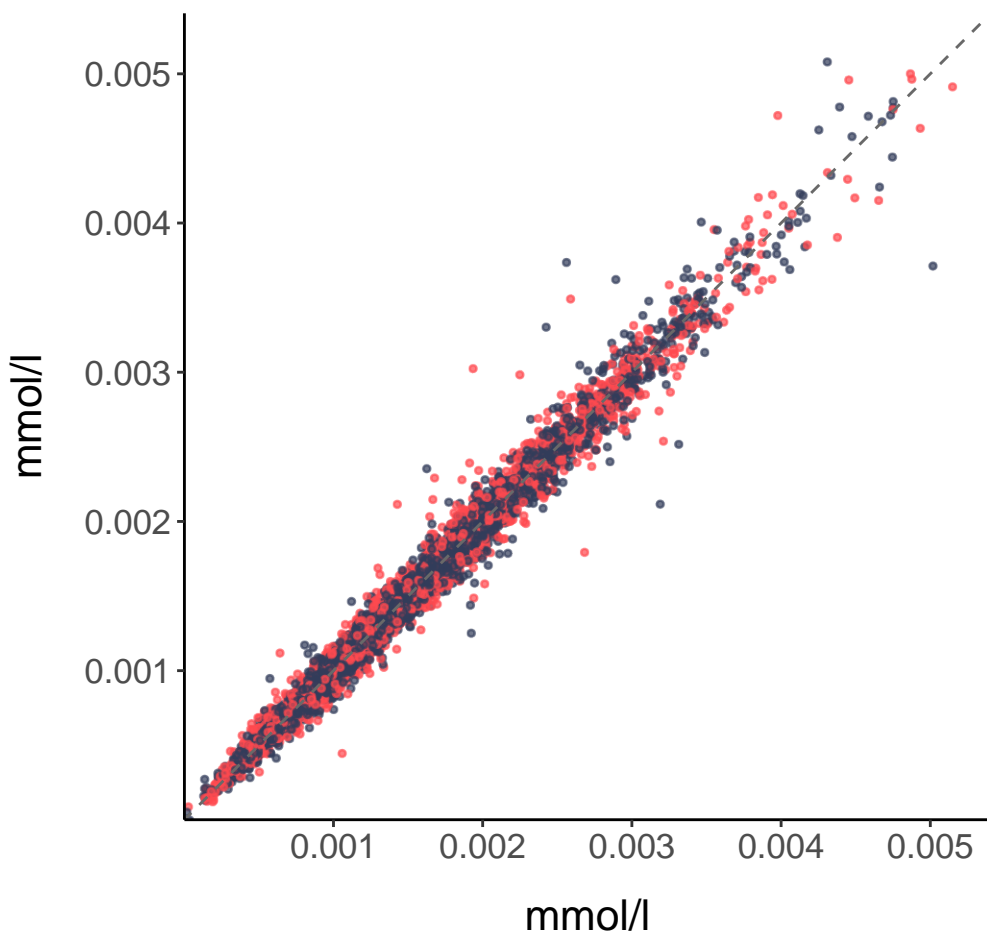
Large HDL (average diameter 12.1 nm)

L_HDL_P

CV: 3.79%, R²: 0.98

Different spectrometers

● FALSE ● TRUE

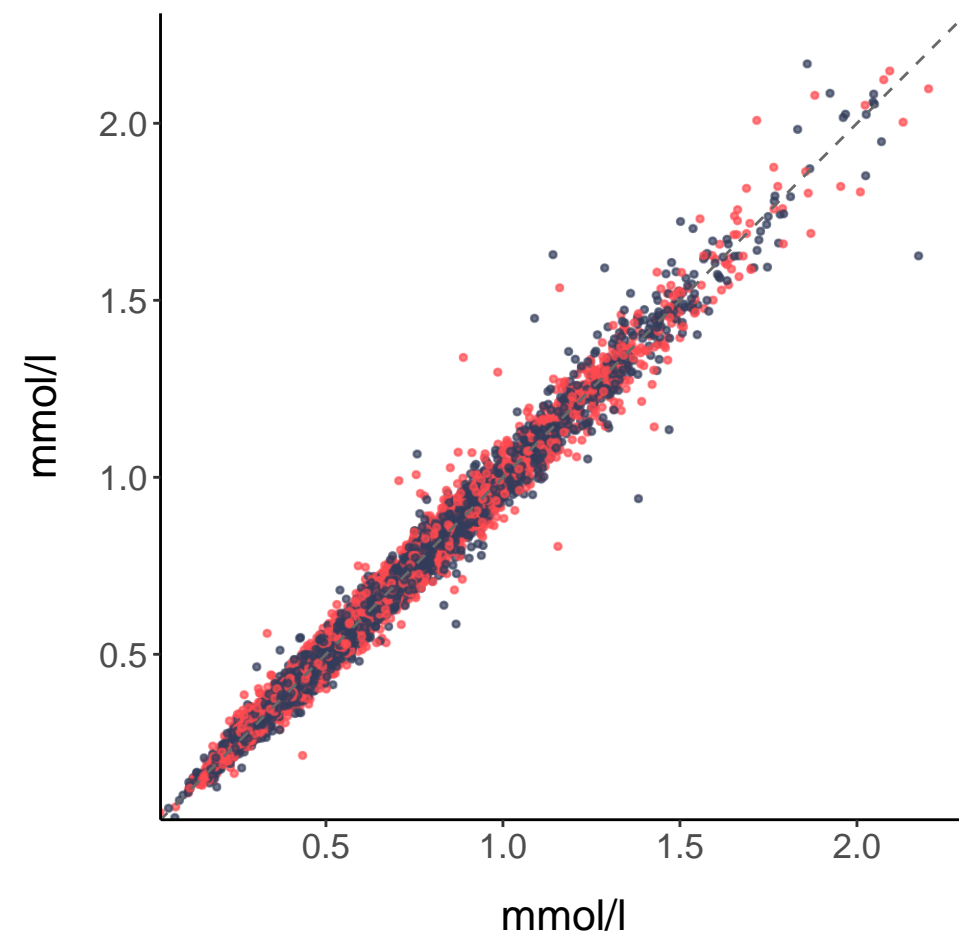


L_HDL_L

CV: 3.22%, R²: 0.98

Different spectrometers

● FALSE ● TRUE

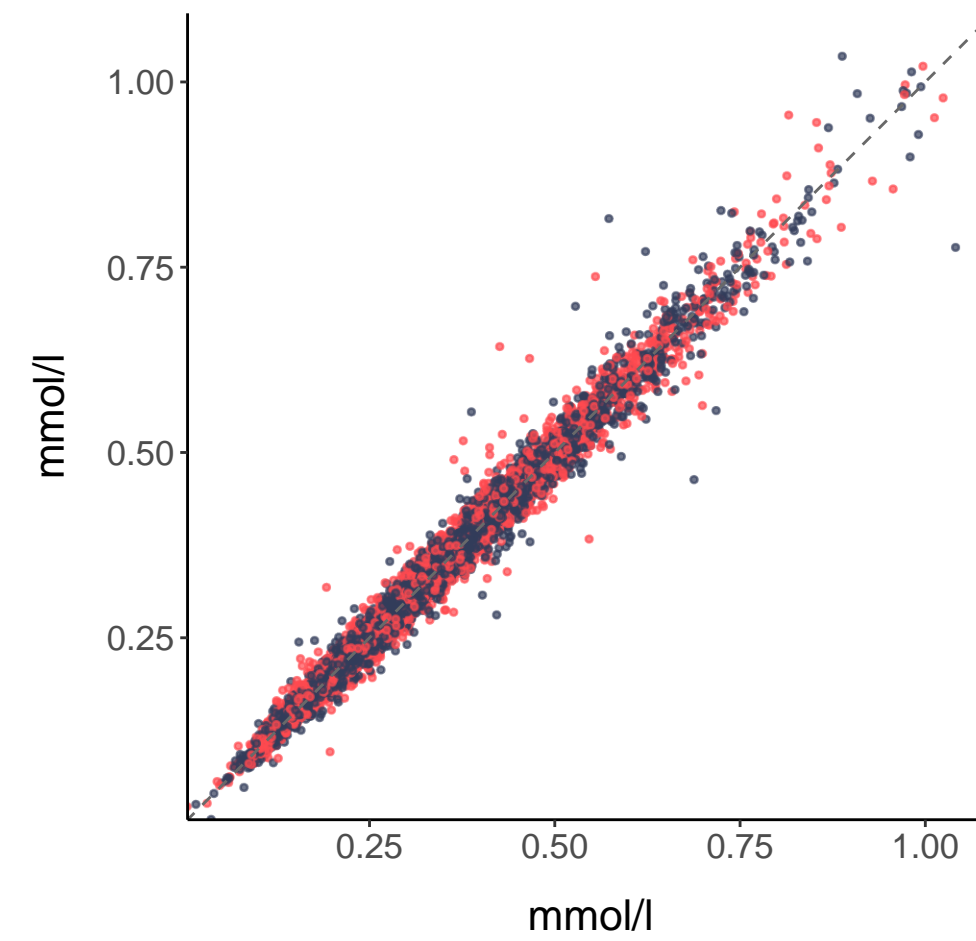


L_HDL_PL

CV: 3.29%, R²: 0.98

Different spectrometers

● FALSE ● TRUE

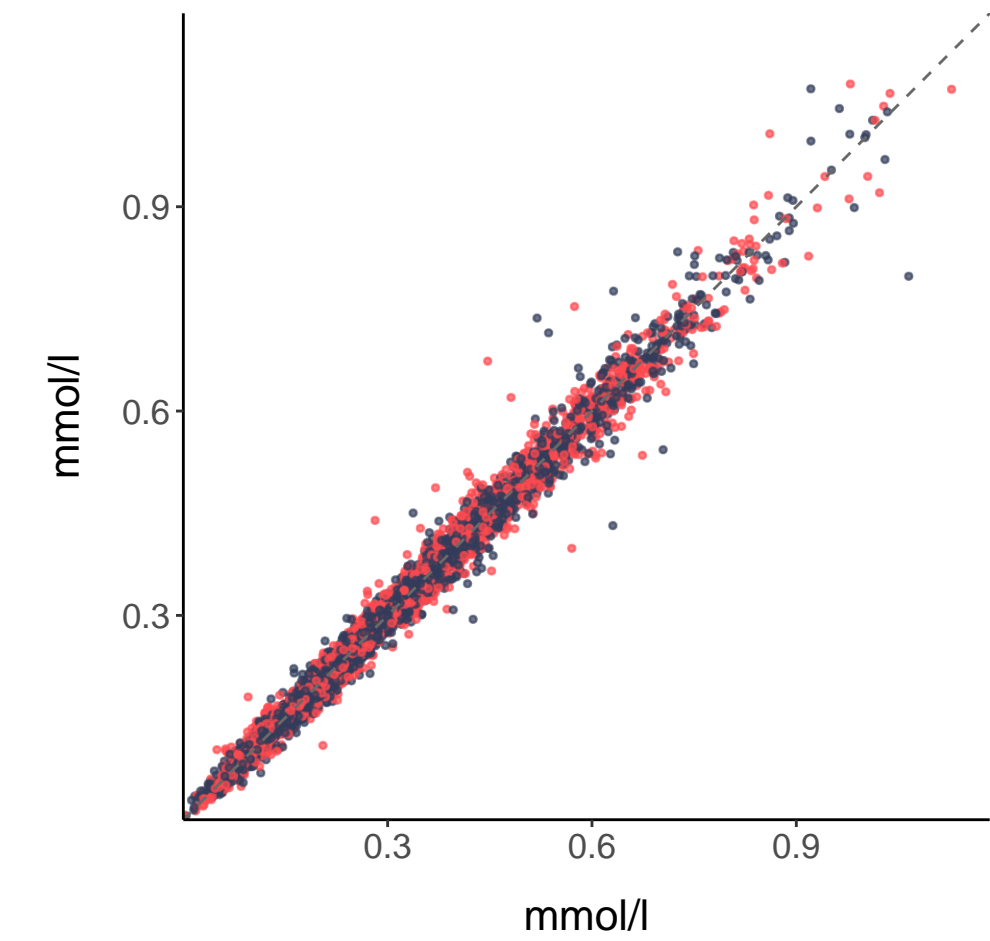


L_HDL_C

CV: 3.68%, R²: 0.99

Different spectrometers

● FALSE ● TRUE

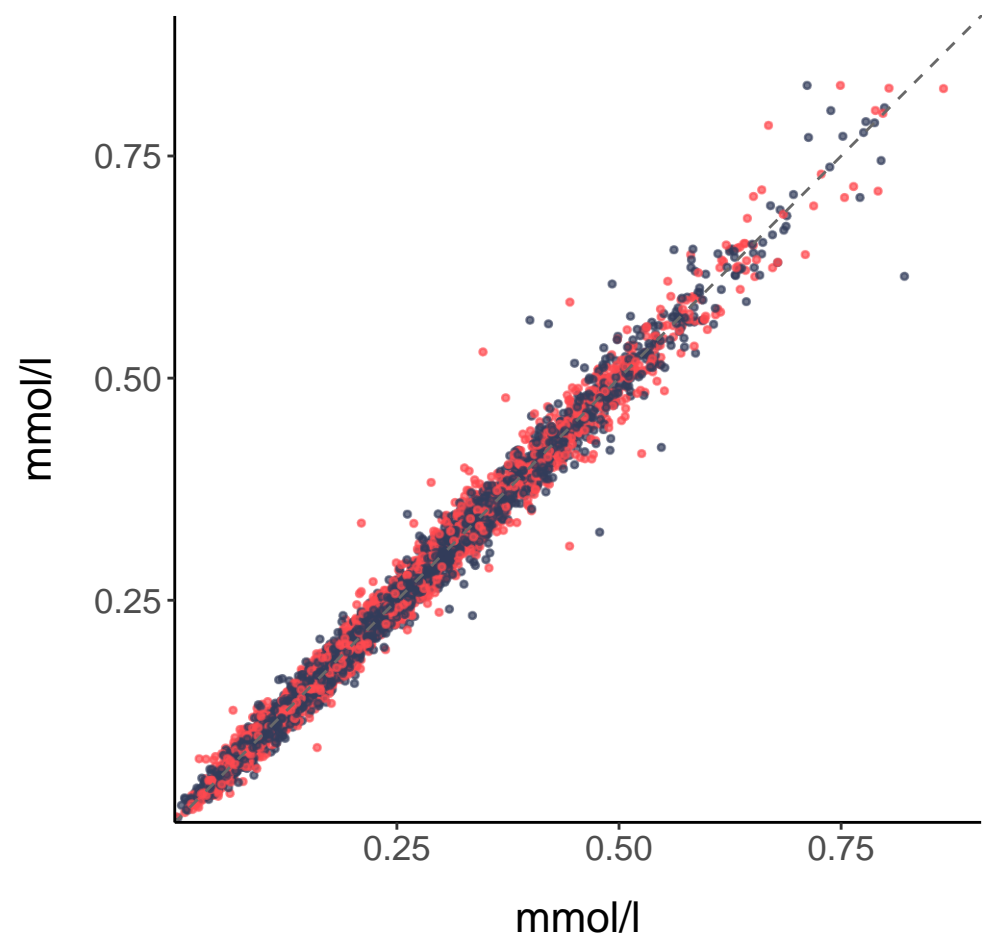


L_HDL_CE

CV: 3.76%, R²: 0.99

Different spectrometers

● FALSE ● TRUE

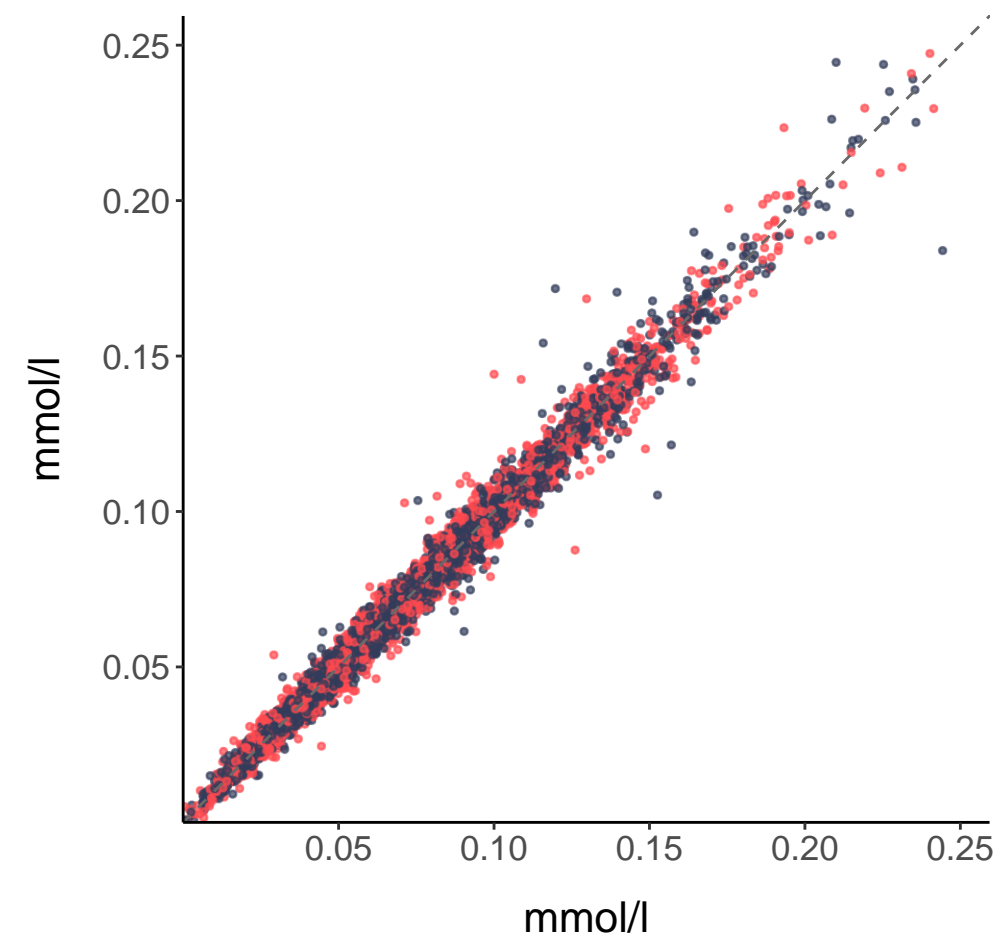


L_HDL_FC

CV: 3.86%, R²: 0.99

Different spectrometers

● FALSE ● TRUE

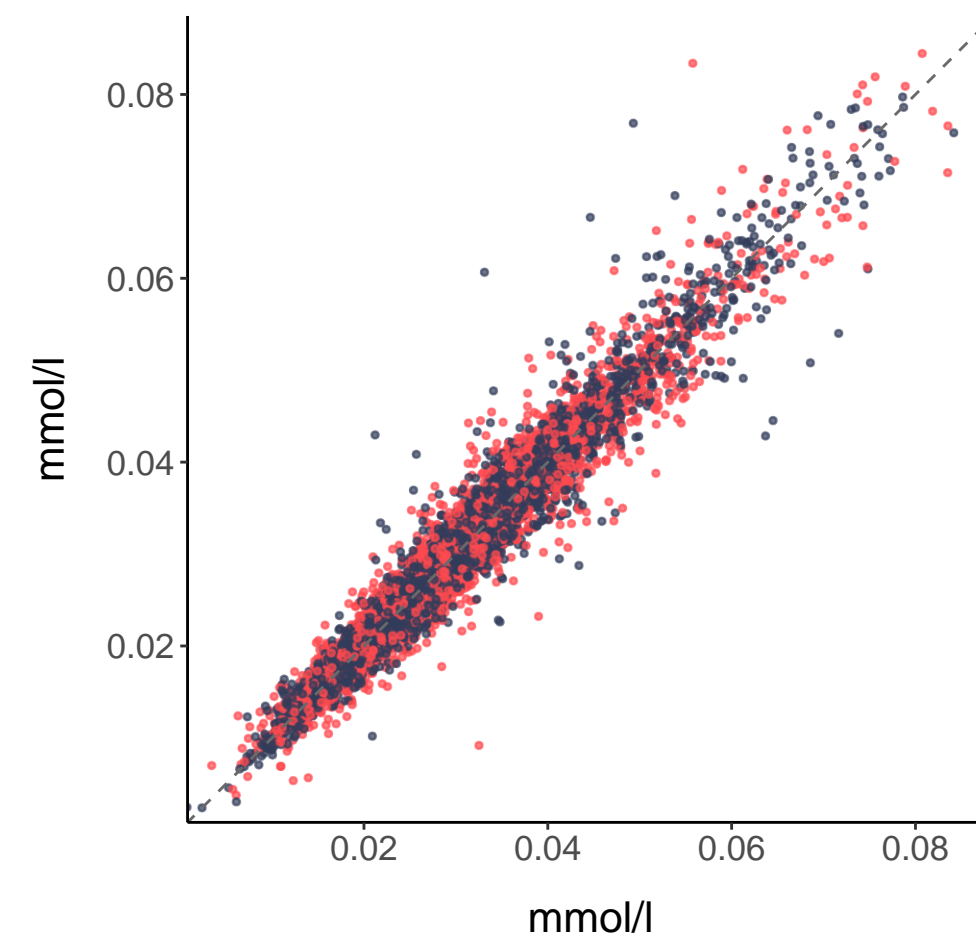


L_HDL_TG

CV: 4.88%, R²: 0.94

Different spectrometers

● FALSE ● TRUE



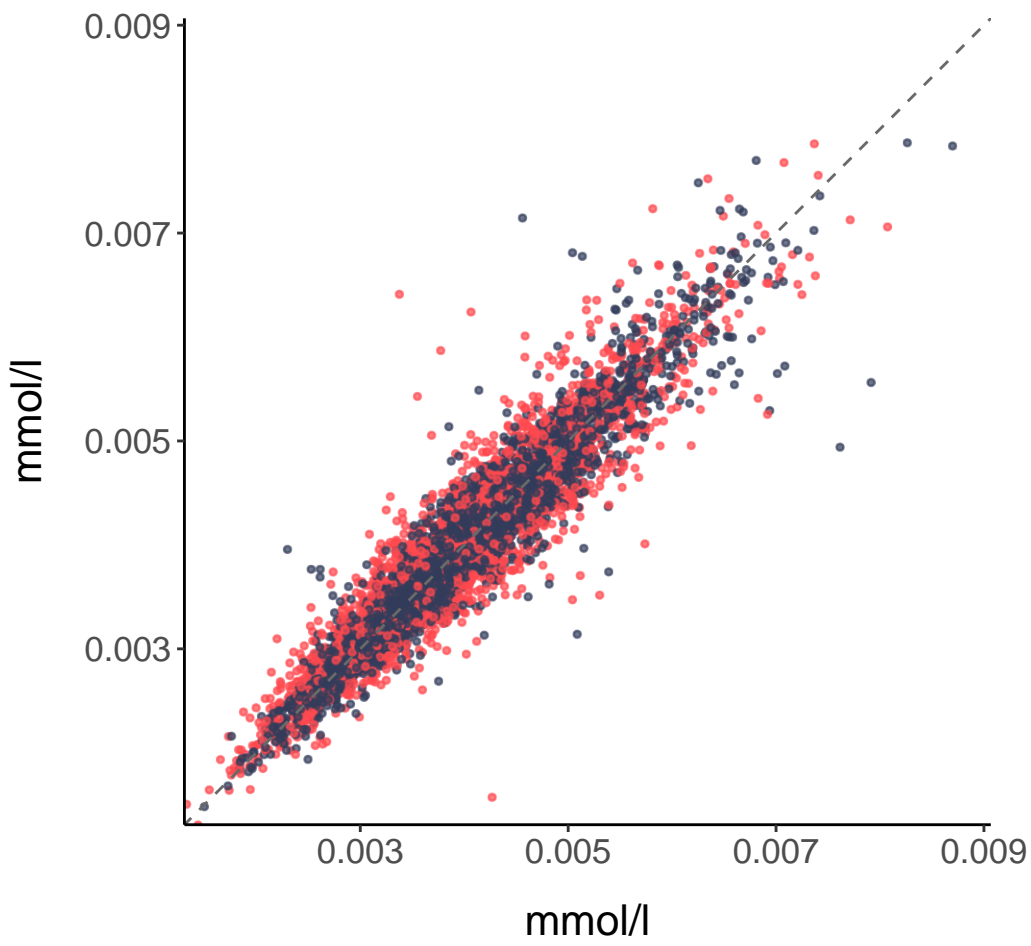
Medium HDL (average diameter 10.9 nm)

M_HDL_P

CV: 3.87%, R²: 0.9

Different spectrometers

● FALSE ● TRUE

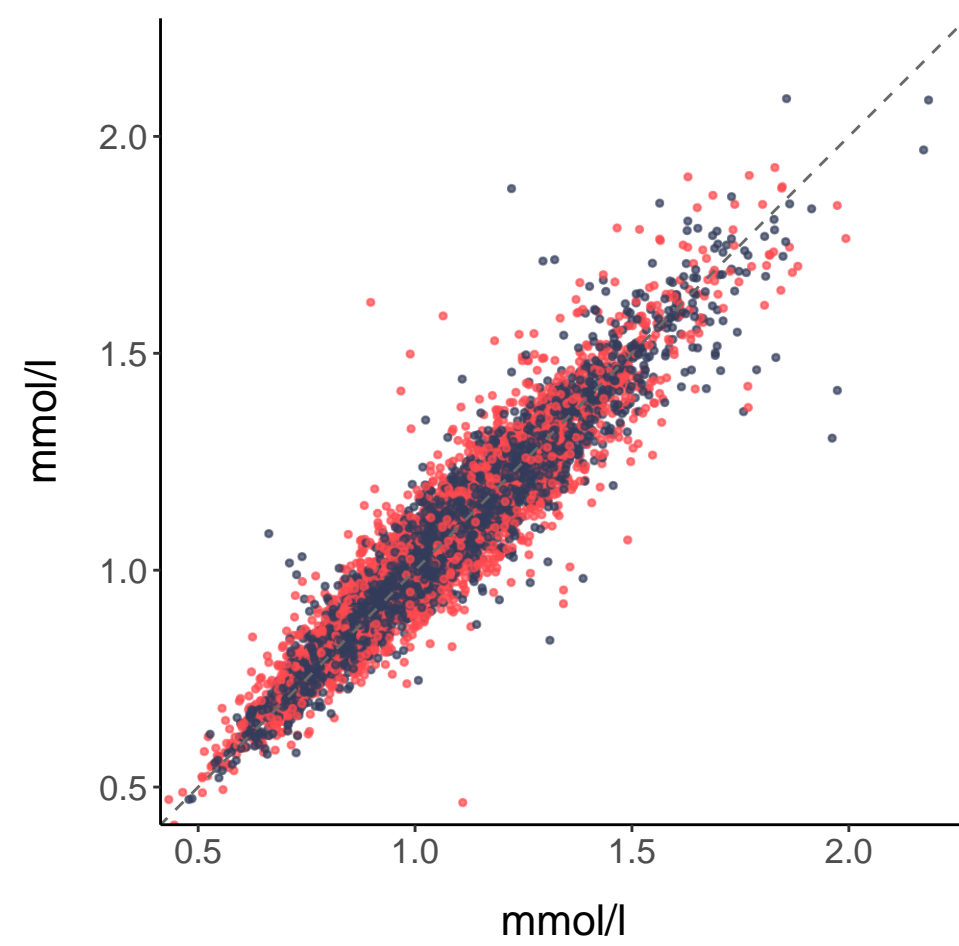


M_HDL_L

CV: 3.5%, R²: 0.9

Different spectrometers

● FALSE ● TRUE

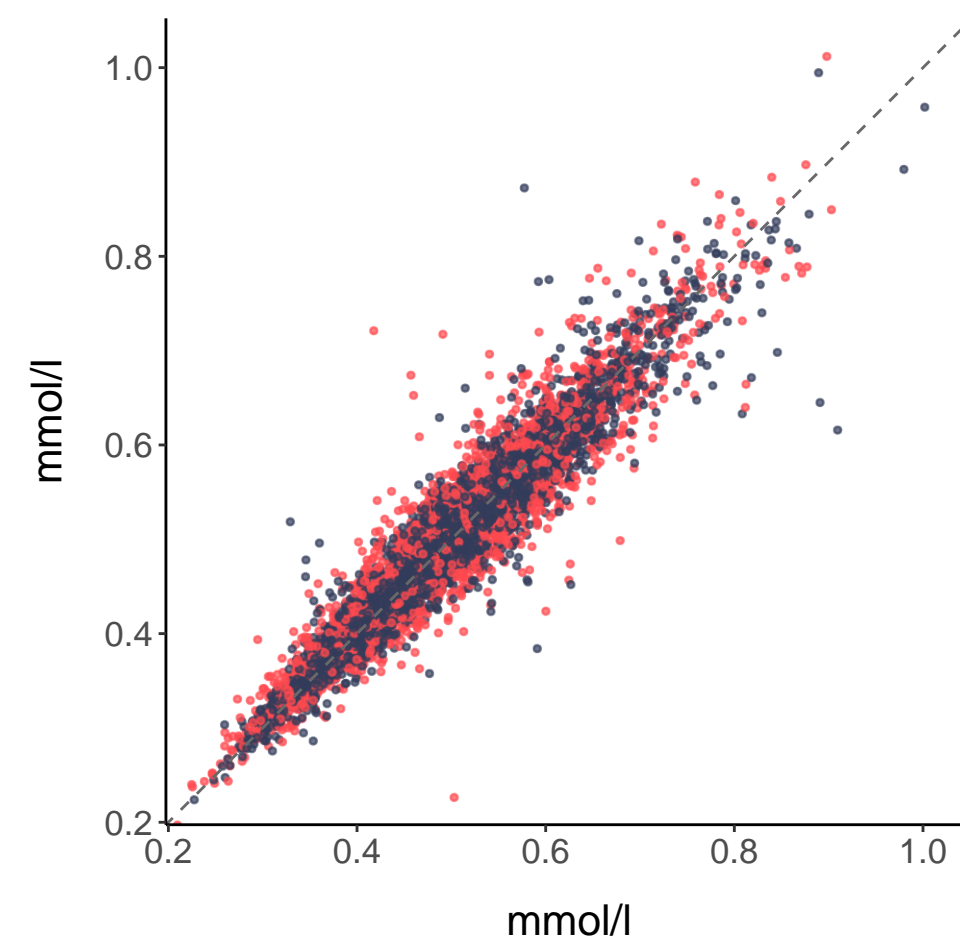


M_HDL_PL

CV: 3.18%, R²: 0.9

Different spectrometers

● FALSE ● TRUE

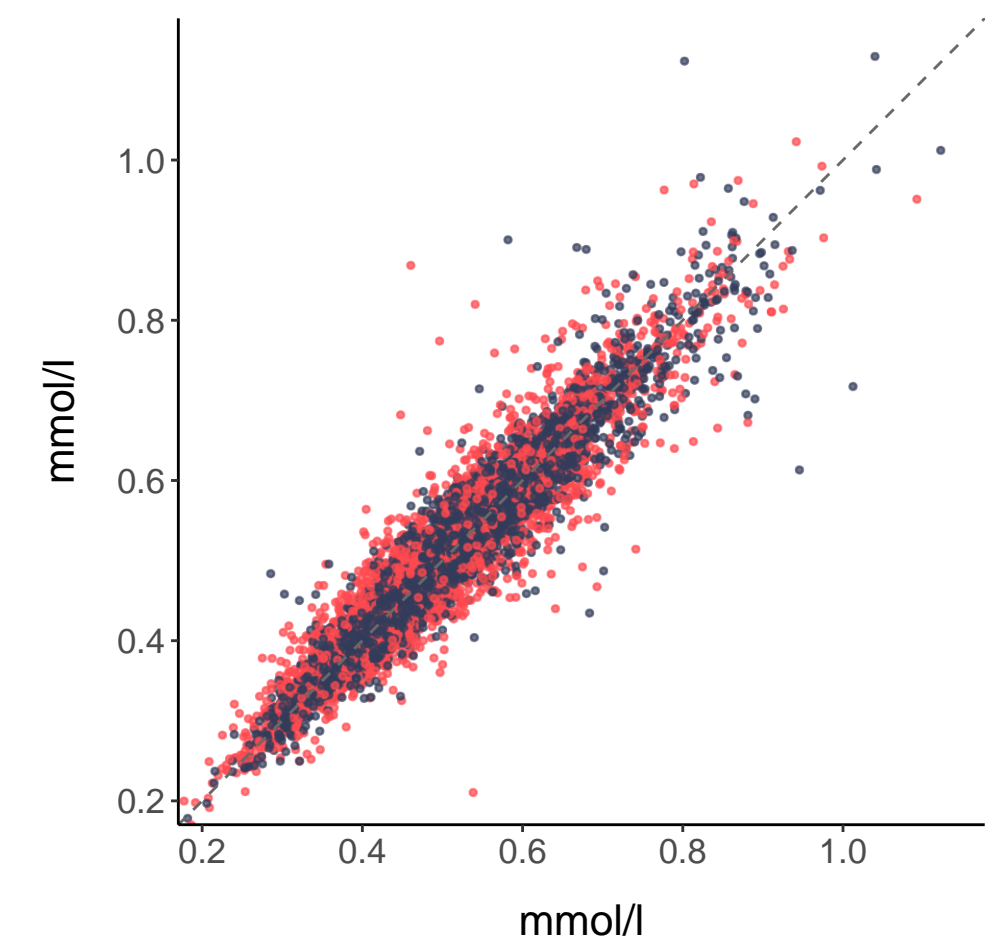


M_HDL_C

CV: 4.03%, R²: 0.9

Different spectrometers

● FALSE ● TRUE

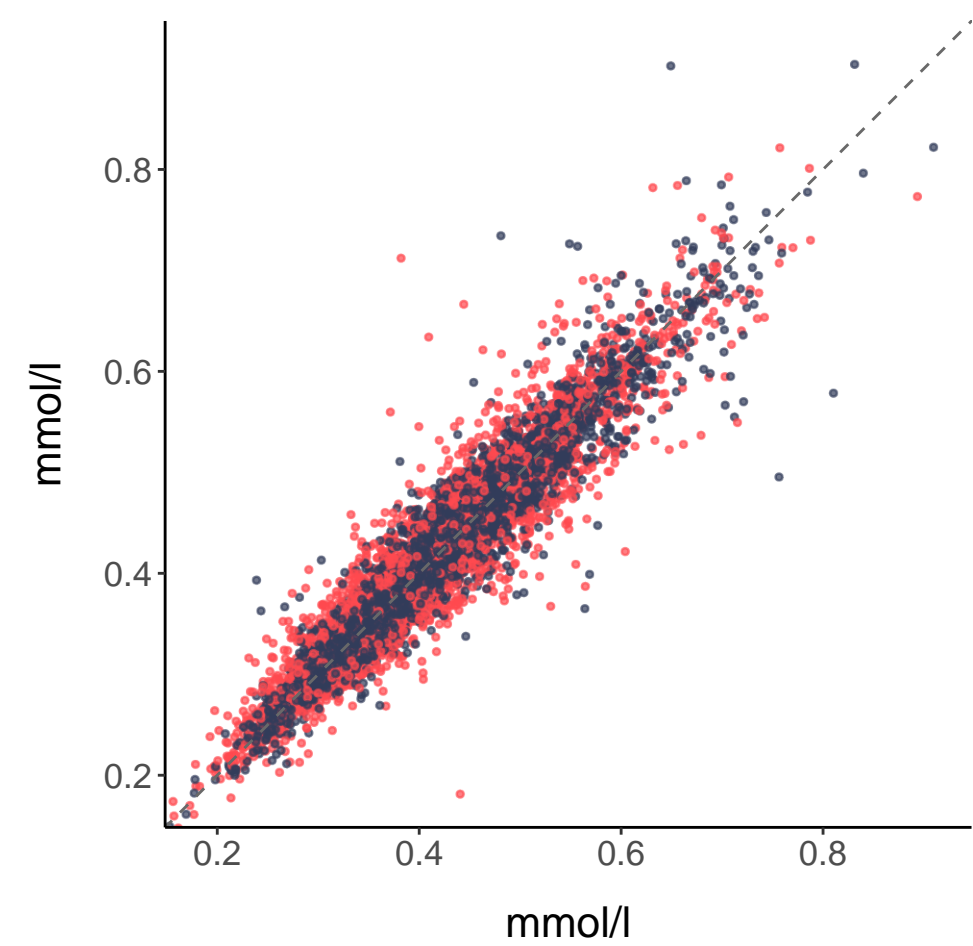


M_HDL_CE

CV: 3.96%, R²: 0.89

Different spectrometers

● FALSE ● TRUE

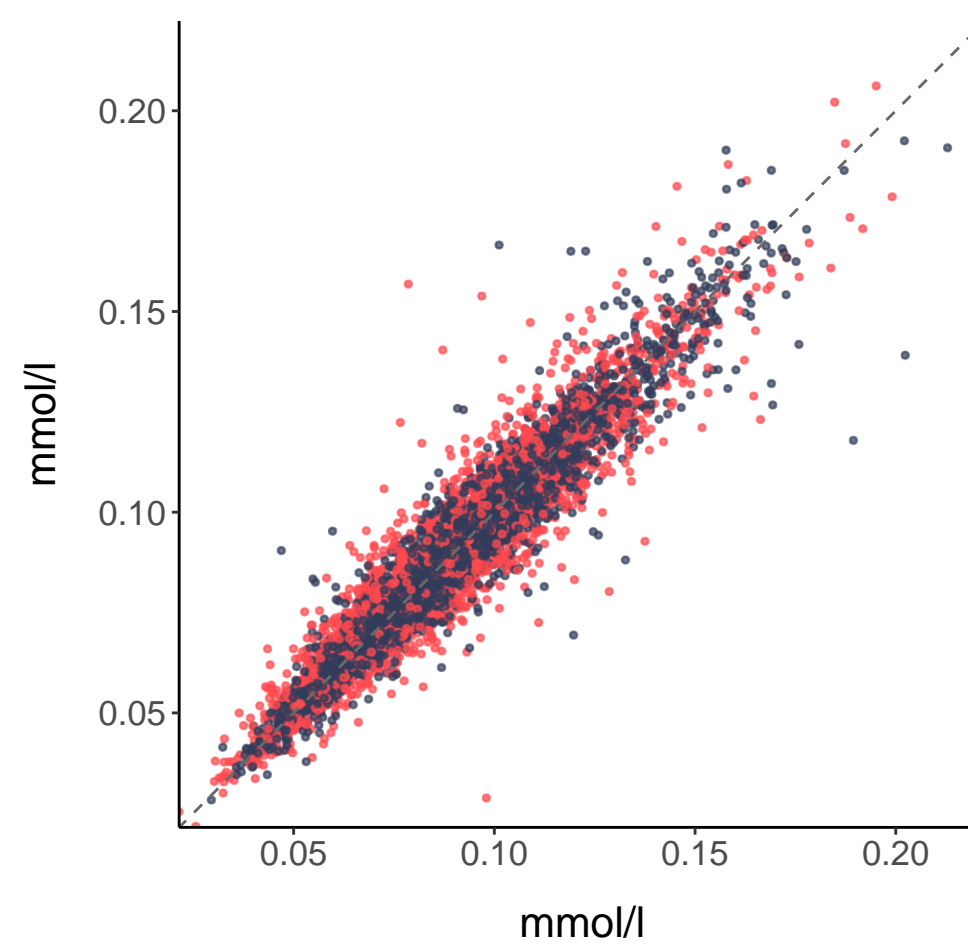


M_HDL_FC

CV: 4.44%, R²: 0.9

Different spectrometers

● FALSE ● TRUE

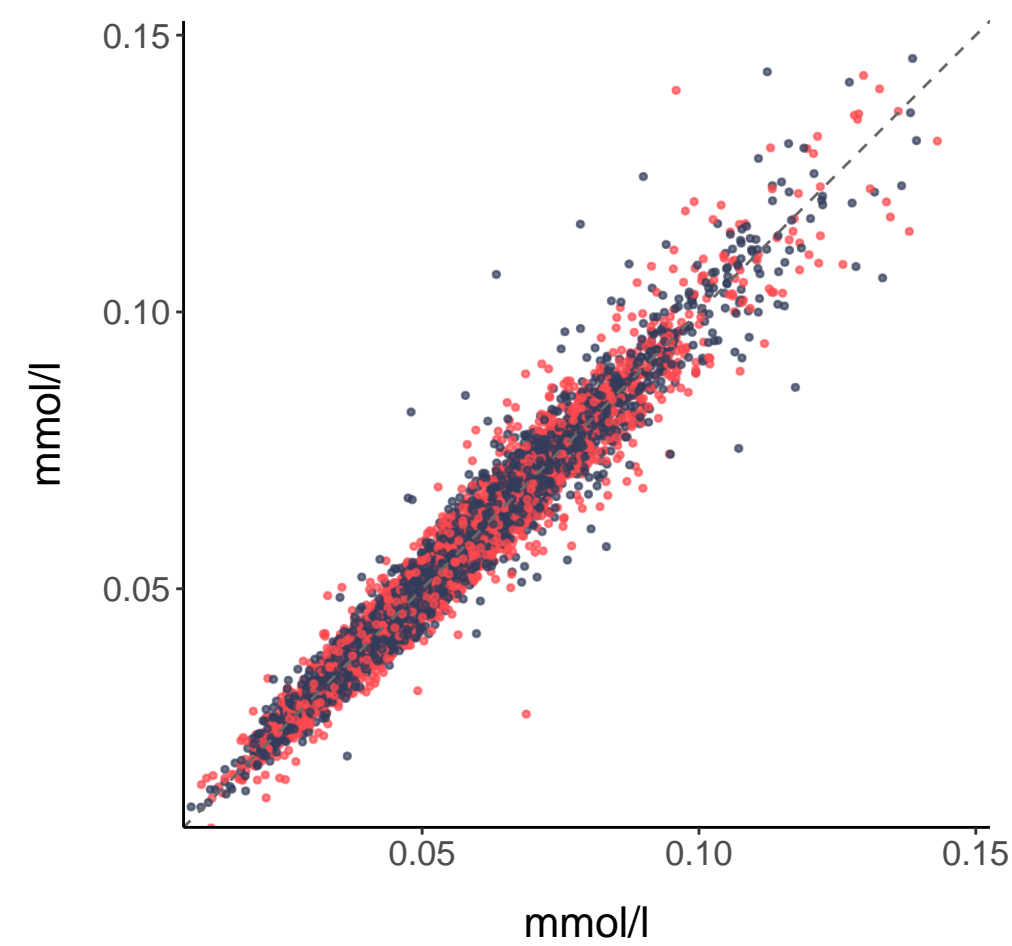


M_HDL_TG

CV: 3.85%, R²: 0.95

Different spectrometers

● FALSE ● TRUE



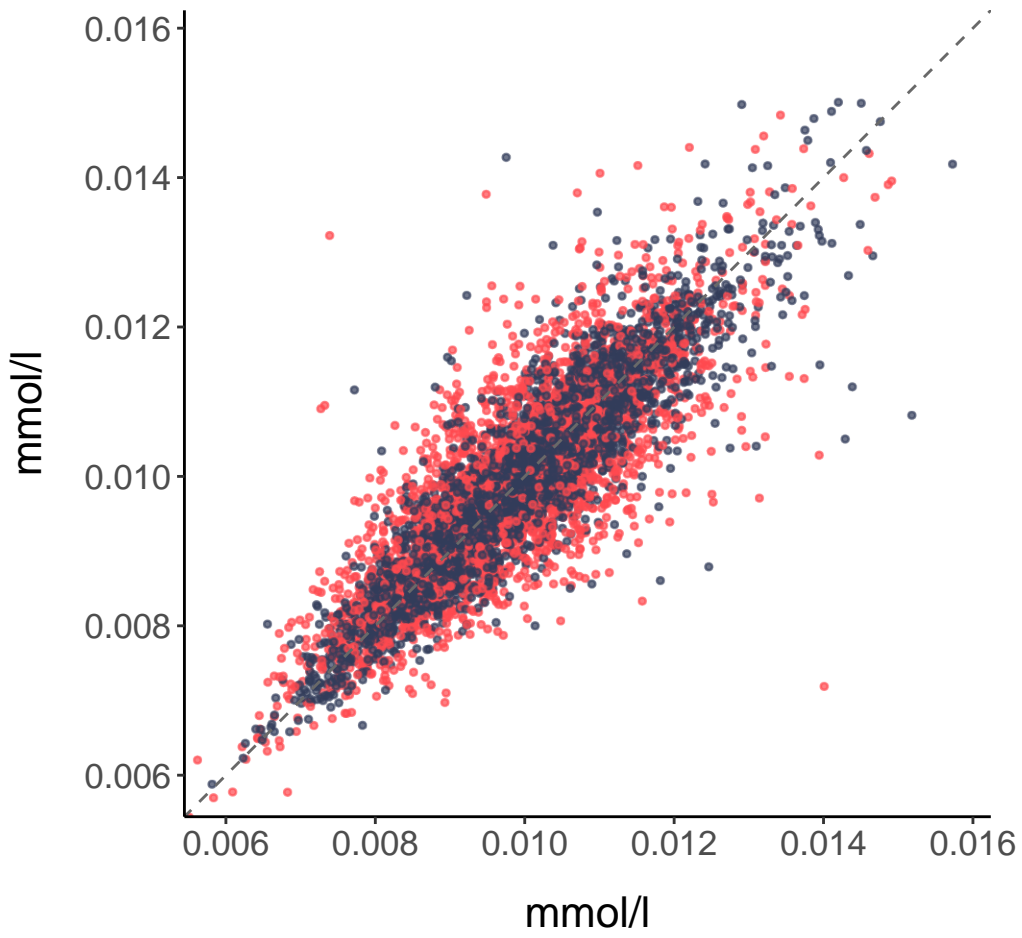
Small HDL (average diameter 8.7 nm)

S_HDL_P

CV: 3.56%, R²: 0.74

Different spectrometers

● FALSE ● TRUE

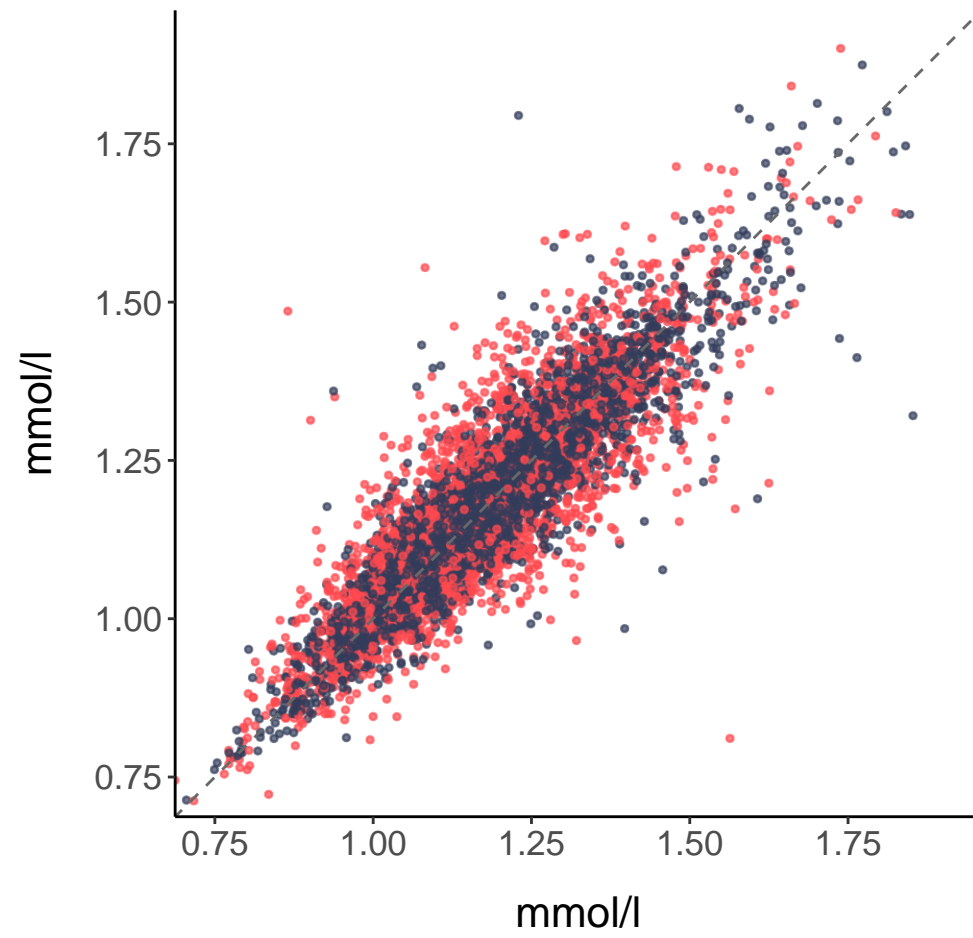


S_HDL_L

CV: 3.22%, R²: 0.78

Different spectrometers

● FALSE ● TRUE

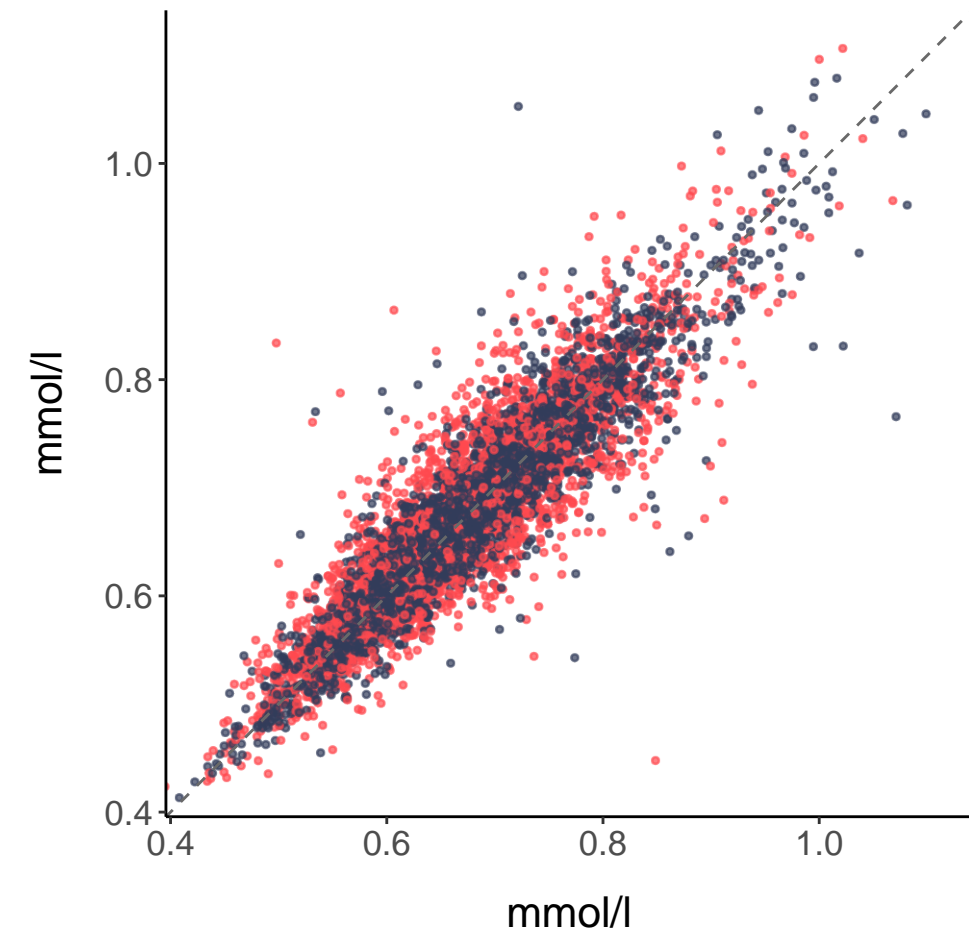


S_HDL_PL

CV: 2.99%, R²: 0.82

Different spectrometers

● FALSE ● TRUE

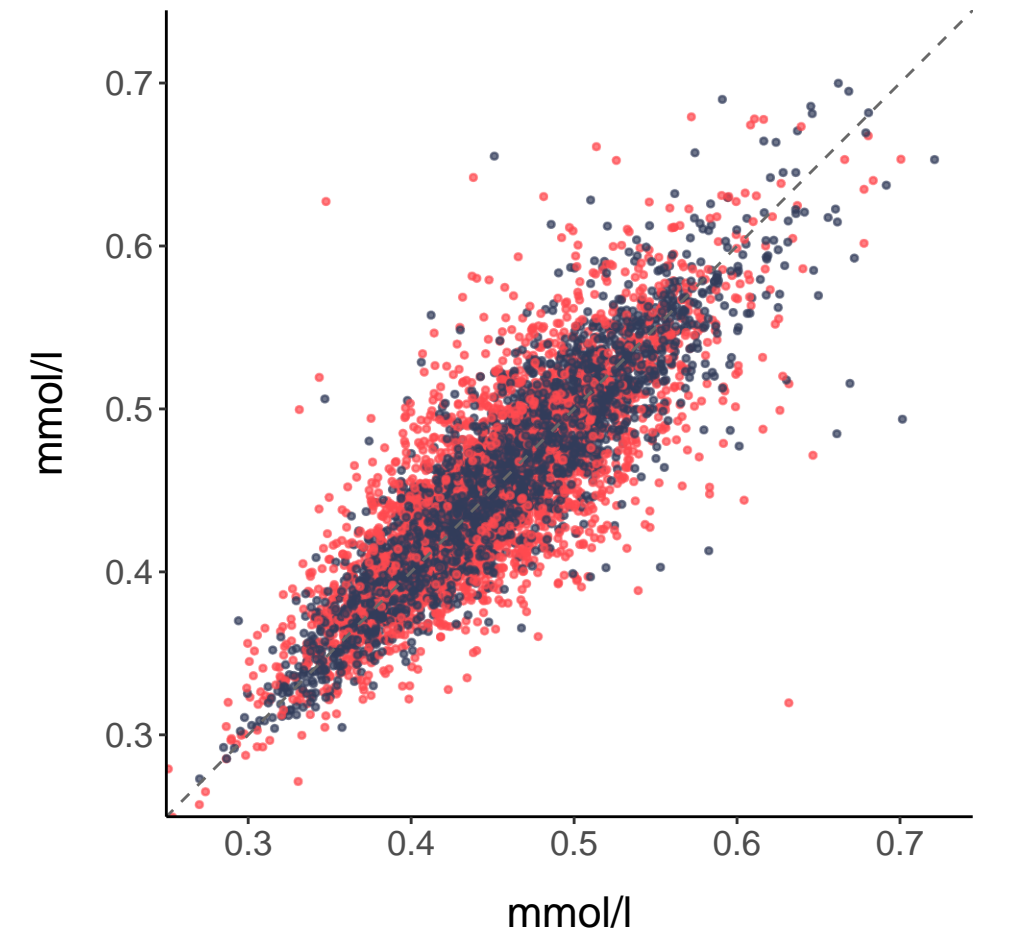


S_HDL_C

CV: 3.76%, R²: 0.72

Different spectrometers

● FALSE ● TRUE

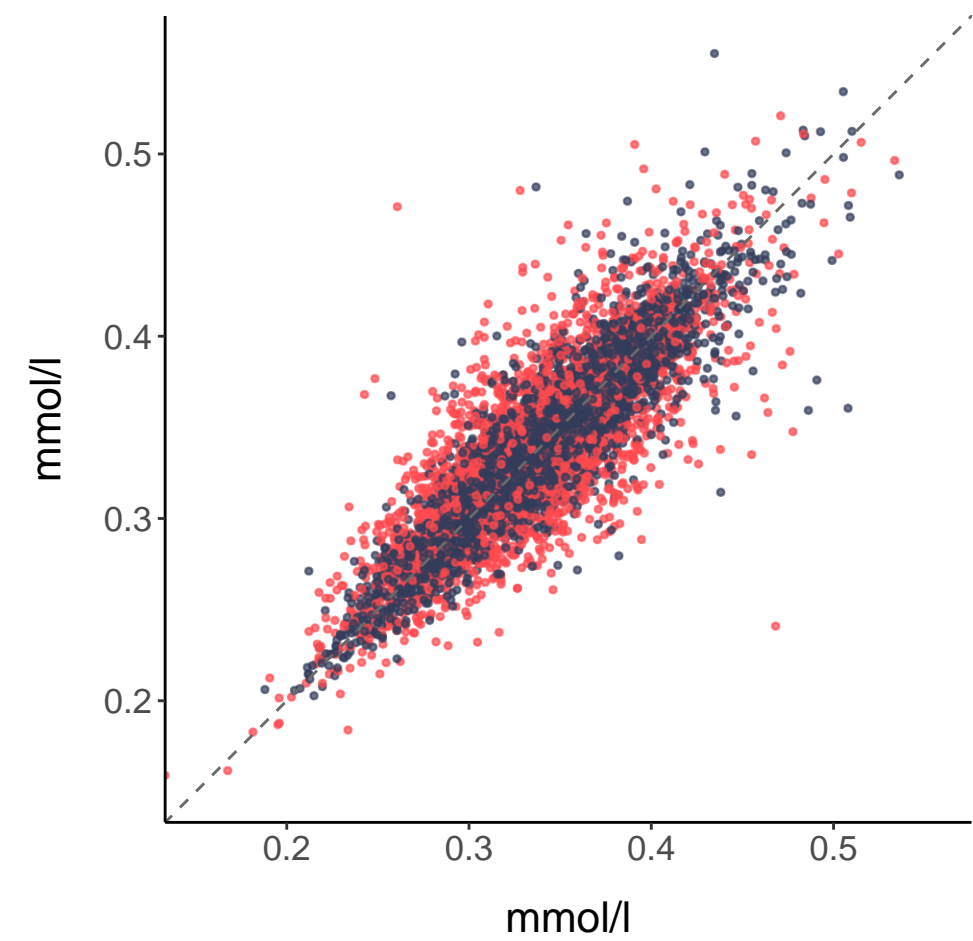


S_HDL_CE

CV: 3.85%, R²: 0.73

Different spectrometers

● FALSE ● TRUE

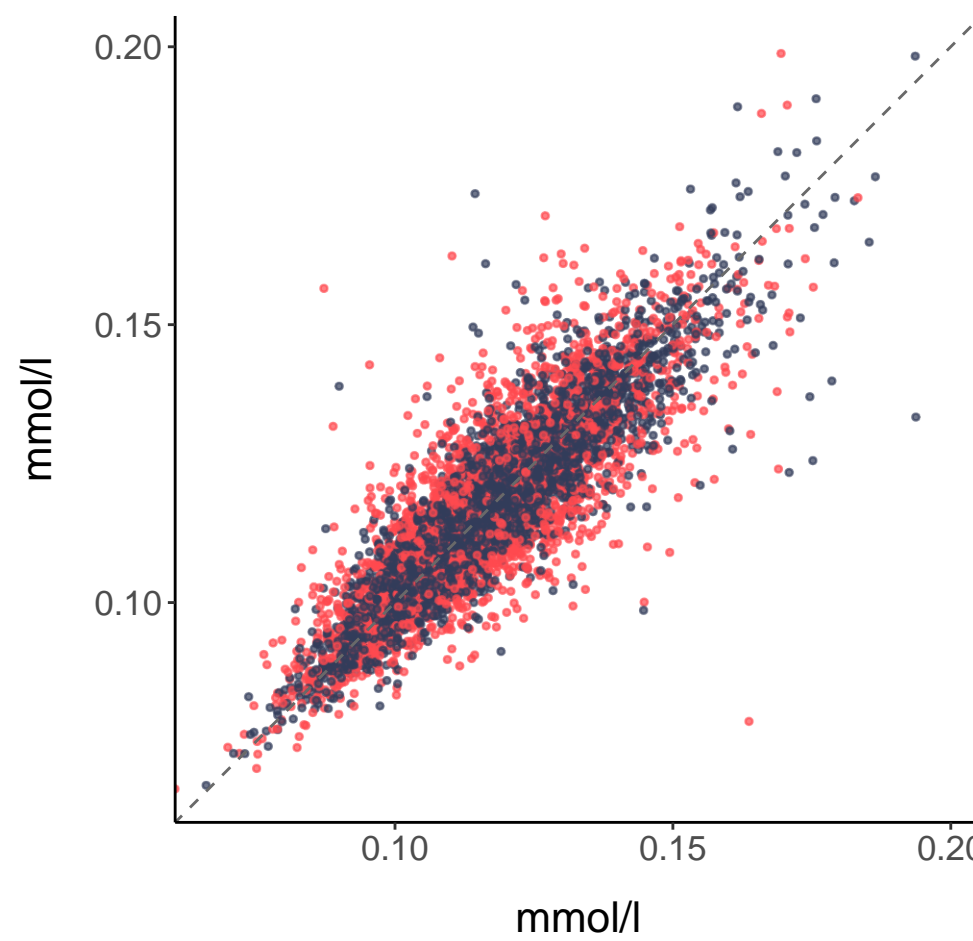


S_HDL_FC

CV: 3.62%, R²: 0.75

Different spectrometers

● FALSE ● TRUE

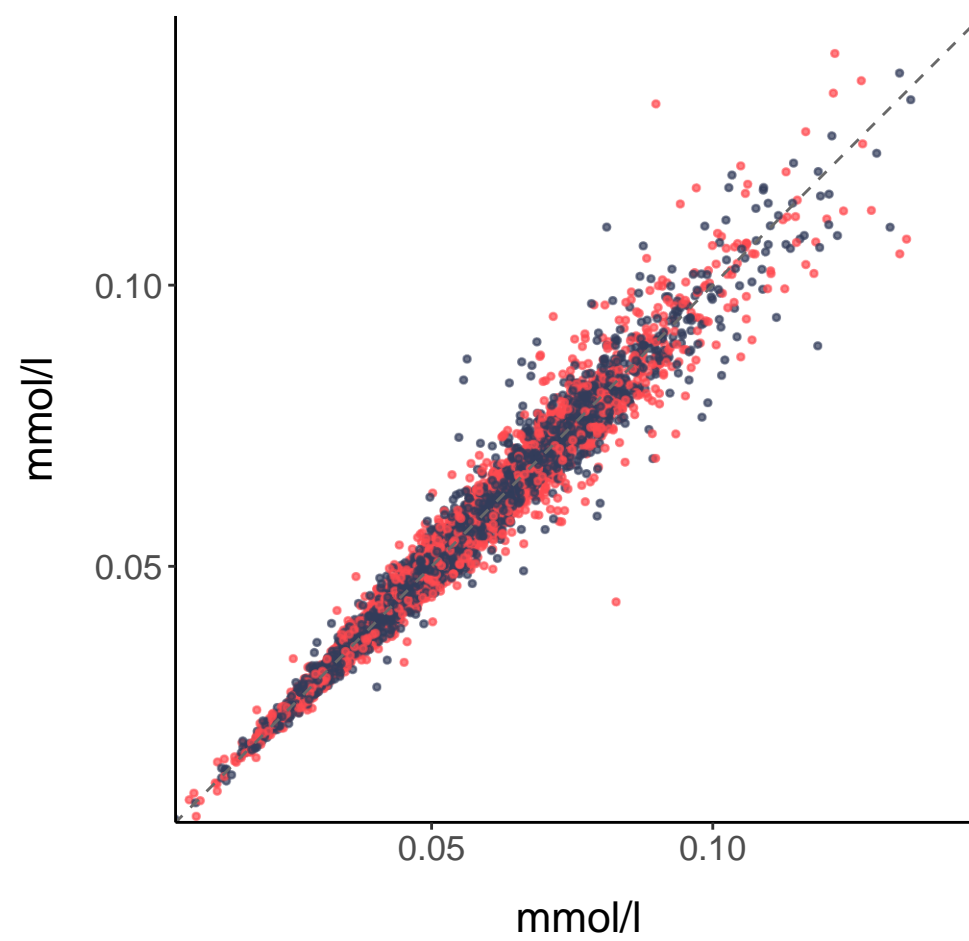


S_HDL_TG

CV: 2.8%, R²: 0.96

Different spectrometers

● FALSE ● TRUE



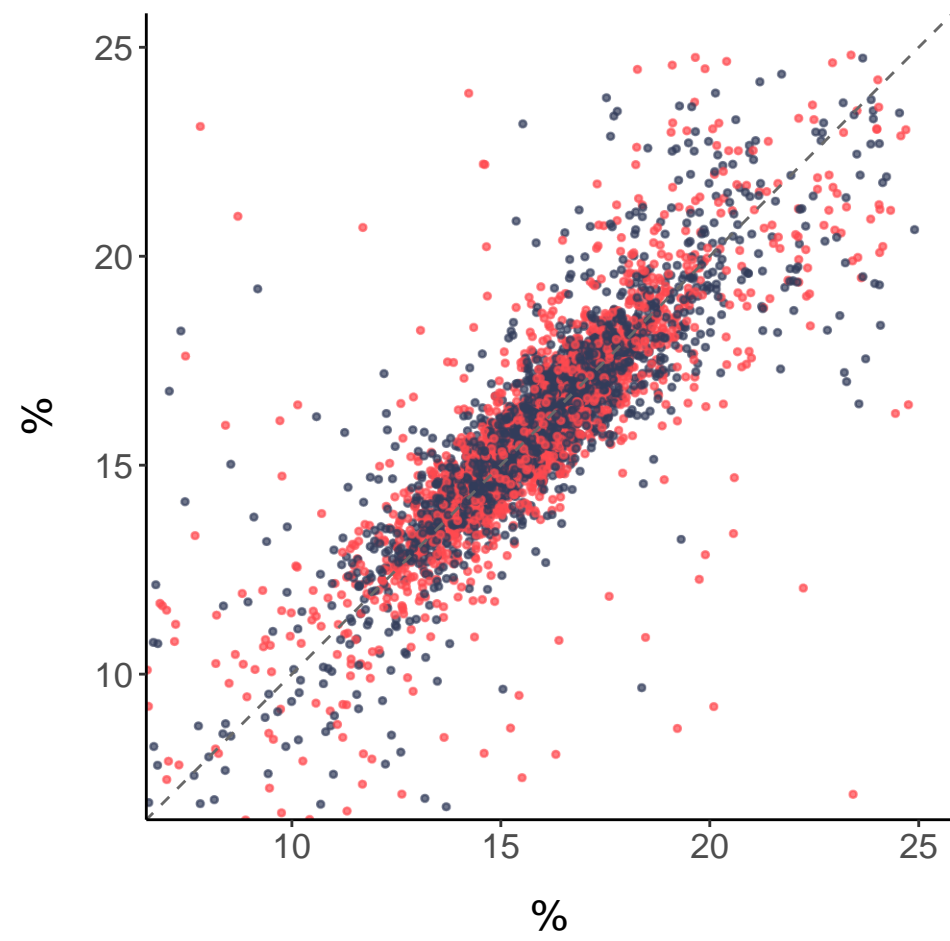
Chylomicrons and extremely large VLDL ratios

XXL_VLDL_PL_pct

CV: 3.28%, R²: 0.69

Different spectrometers

● FALSE ● TRUE

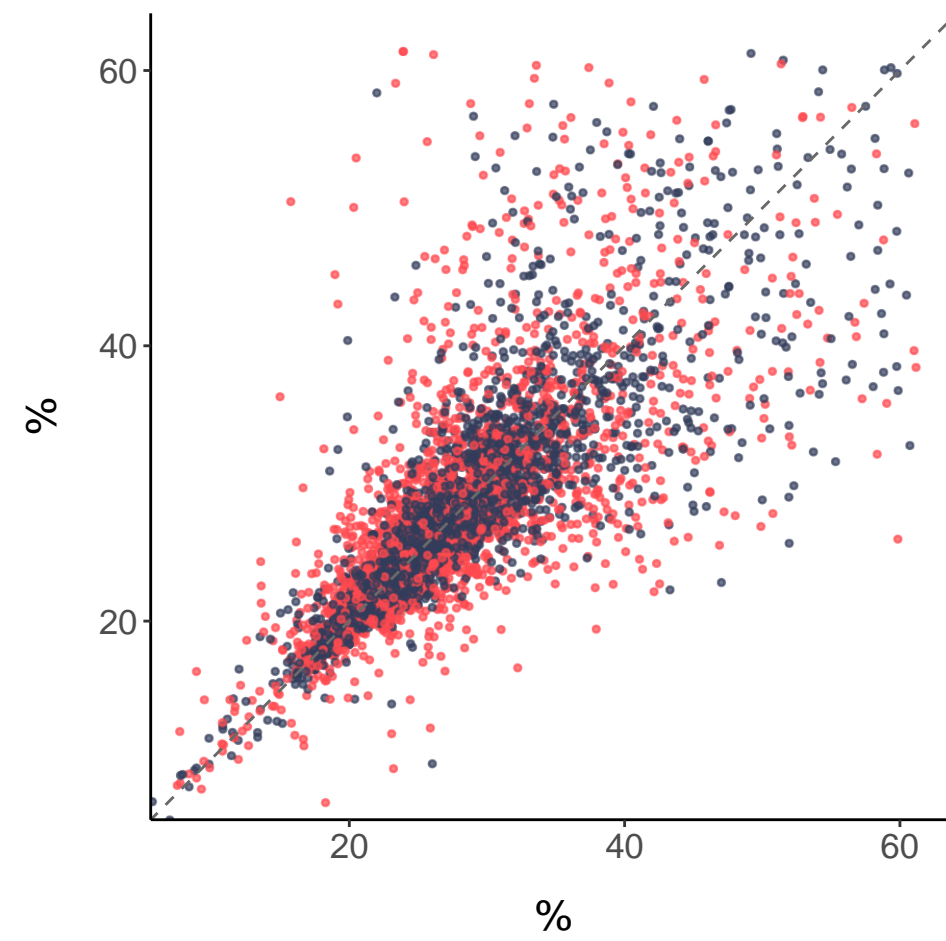


XXL_VLDL_C_pct

CV: 6.87%, R²: 0.6

Different spectrometers

● FALSE ● TRUE

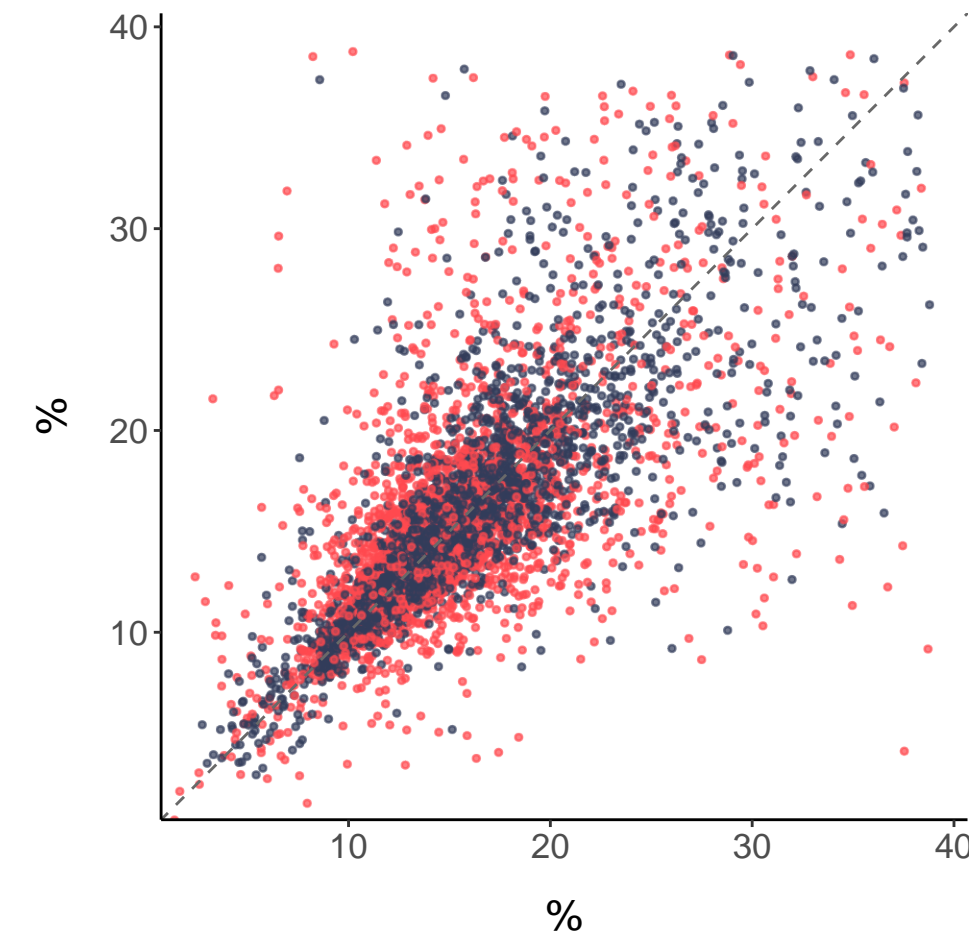


XXL_VLDL_CE_pct

CV: 10.5%, R²: 0.5

Different spectrometers

● FALSE ● TRUE

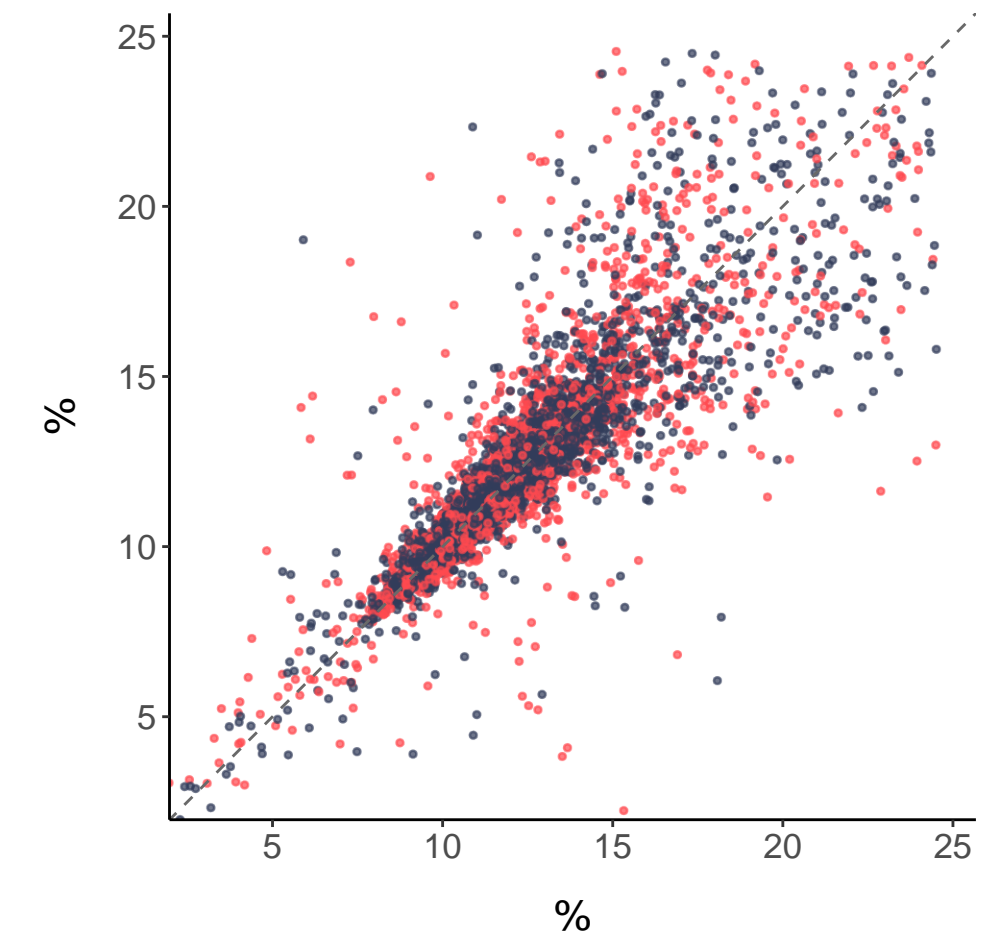


XXL_VLDL_FC_pct

CV: 4.45%, R²: 0.73

Different spectrometers

● FALSE ● TRUE

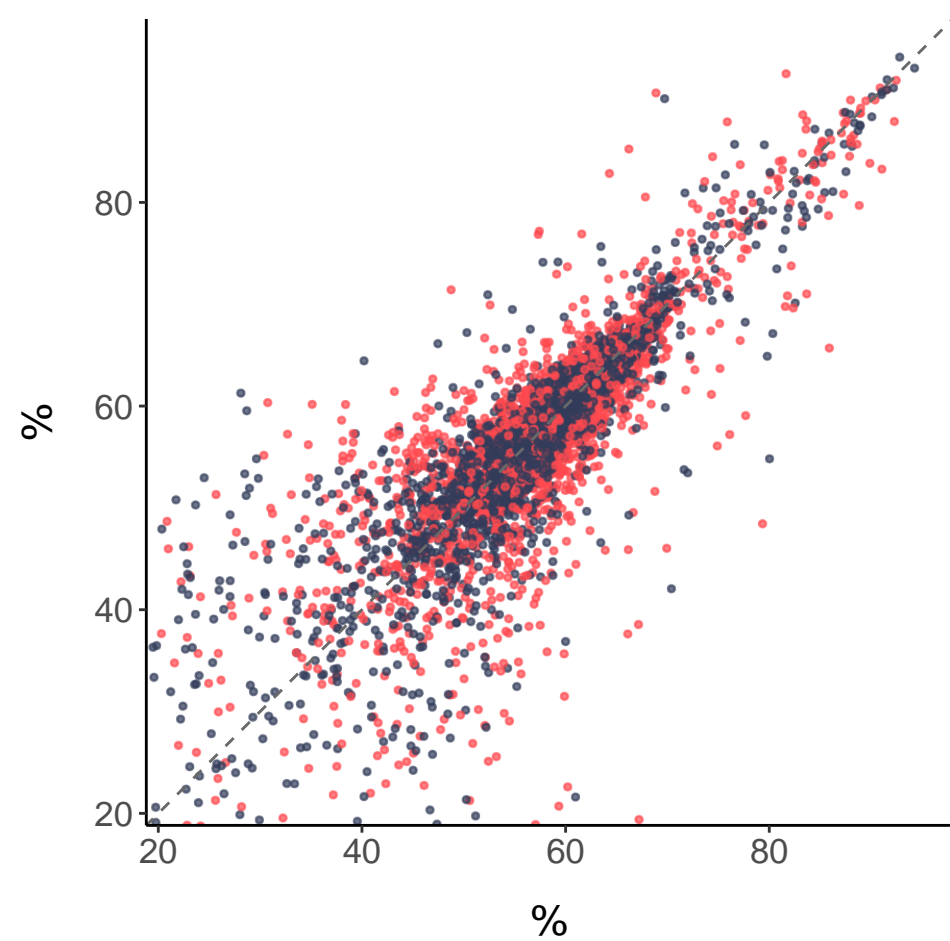


XXL_VLDL_TG_pct

CV: 4.55%, R²: 0.7

Different spectrometers

● FALSE ● TRUE



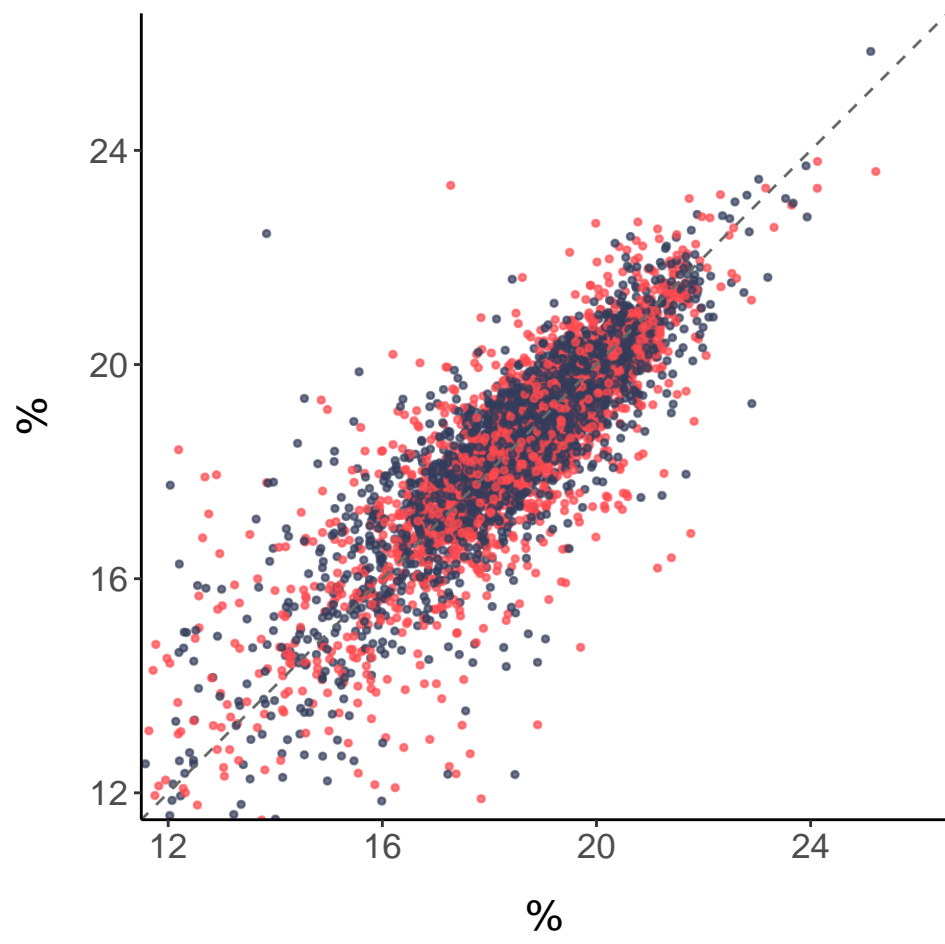
Very large VLDL ratios

XL_VLDL_PL_pct

CV: 2.26%, R²: 0.73

Different spectrometers

● FALSE ● TRUE

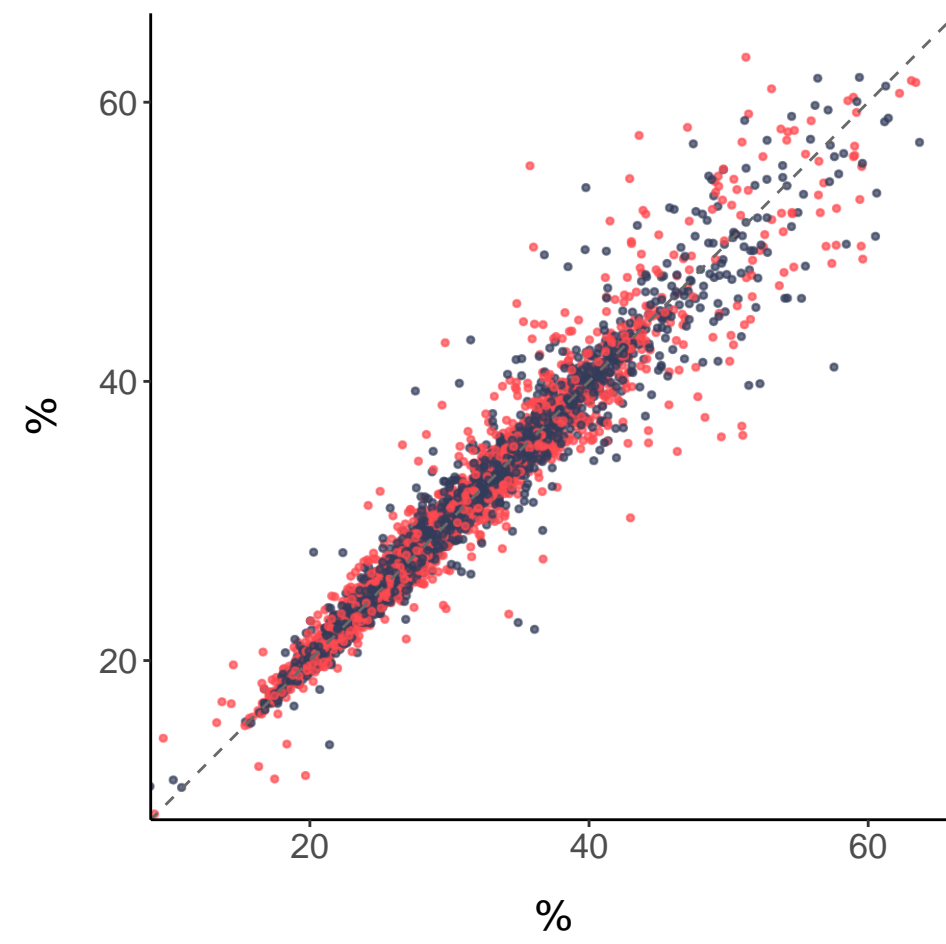


XL_VLDL_C_pct

CV: 2.01%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

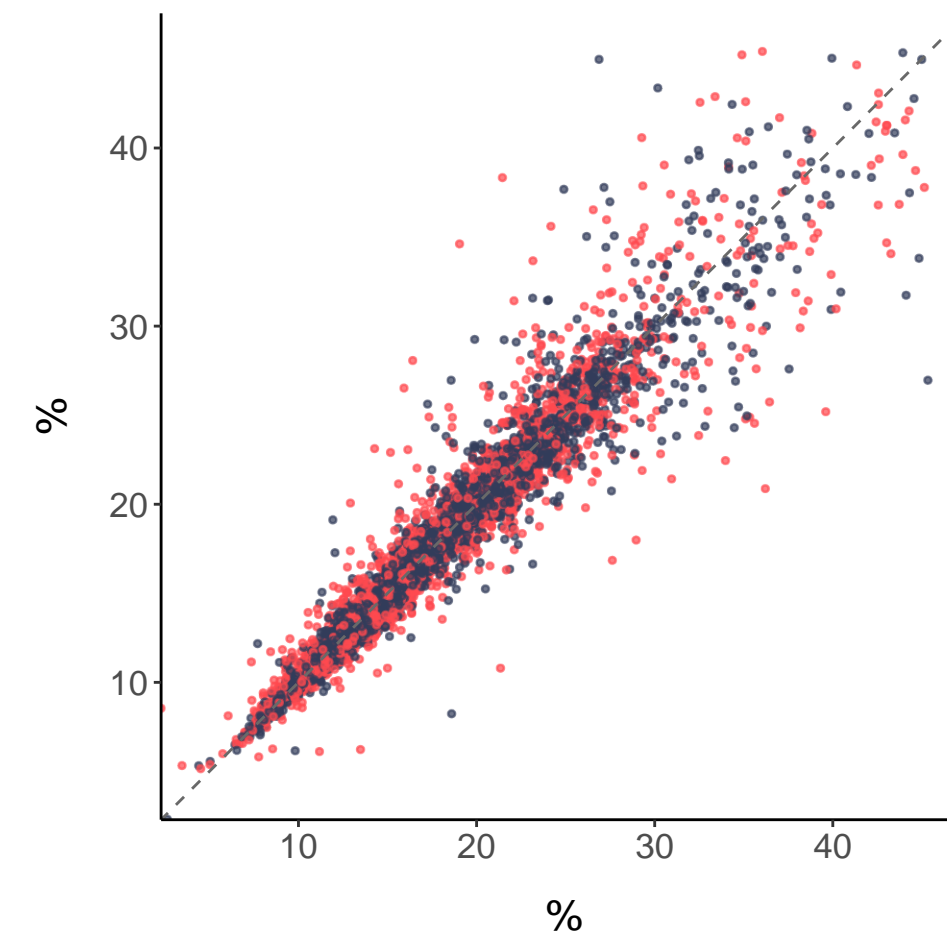


XL_VLDL_CE_pct

CV: 3.41%, R²: 0.92

Different spectrometers

● FALSE ● TRUE

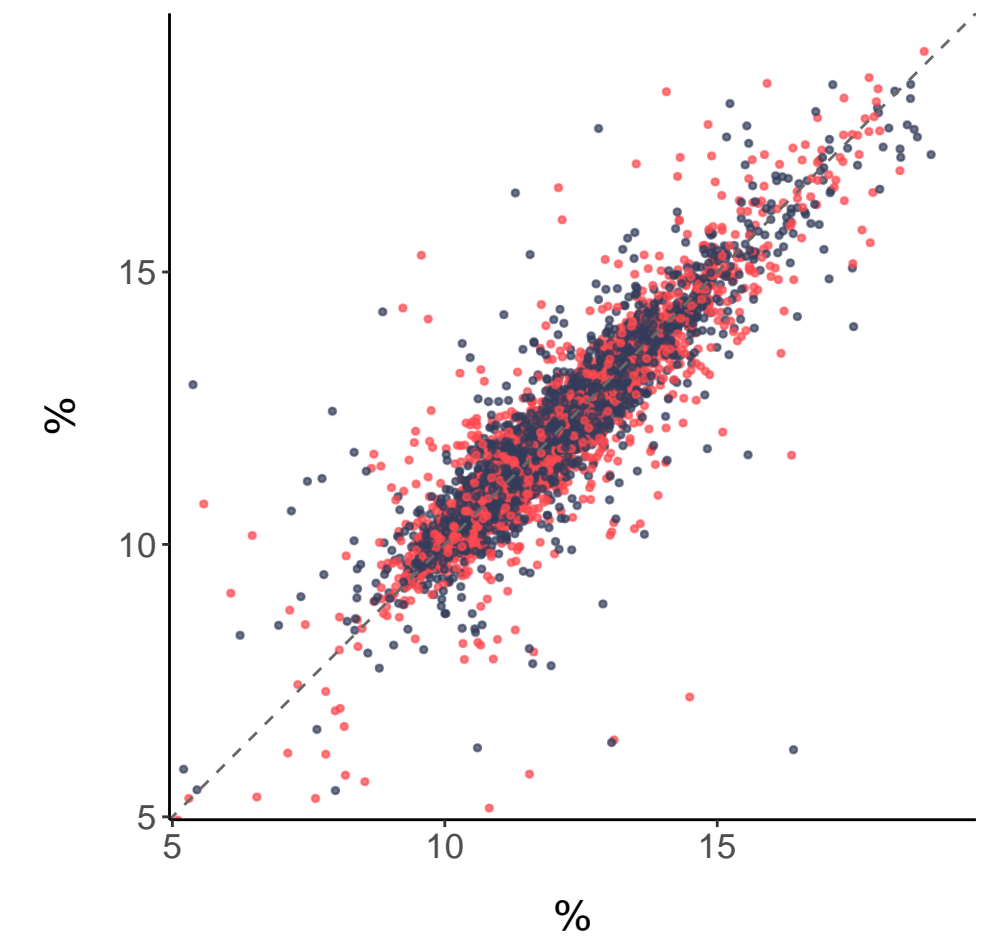


XL_VLDL_FC_pct

CV: 2.34%, R²: 0.82

Different spectrometers

● FALSE ● TRUE

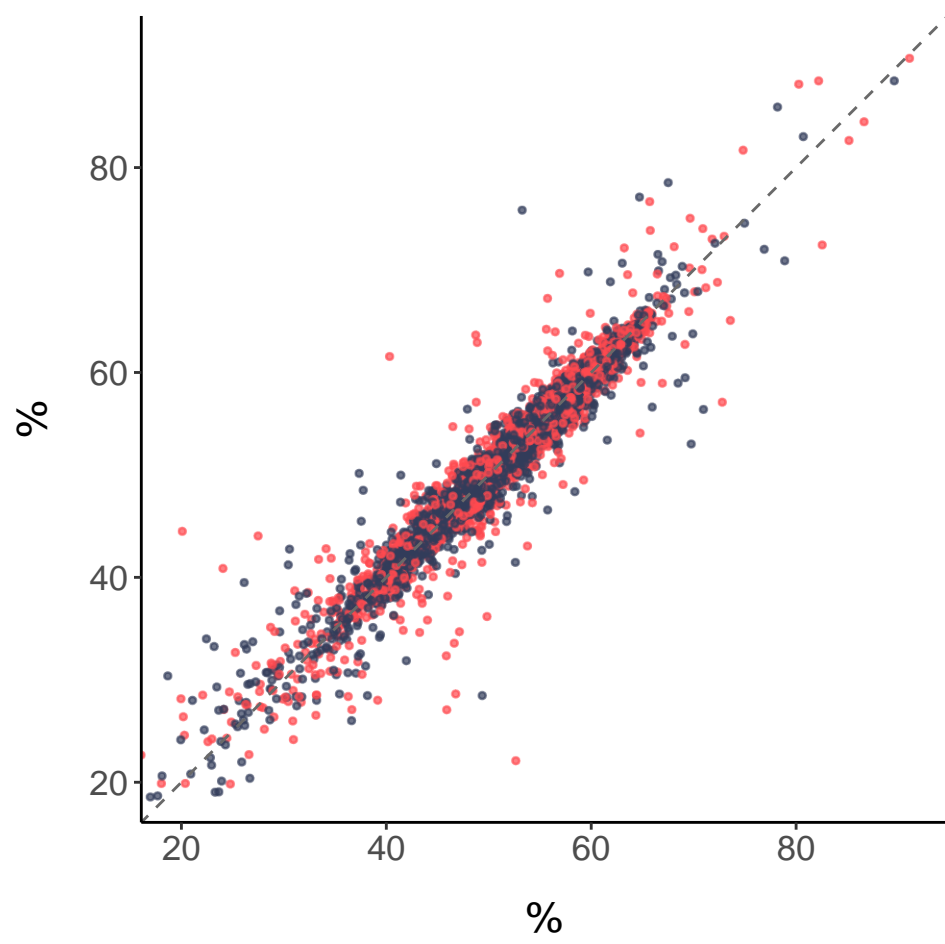


XL_VLDL_TG_pct

CV: 1.6%, R²: 0.94

Different spectrometers

● FALSE ● TRUE



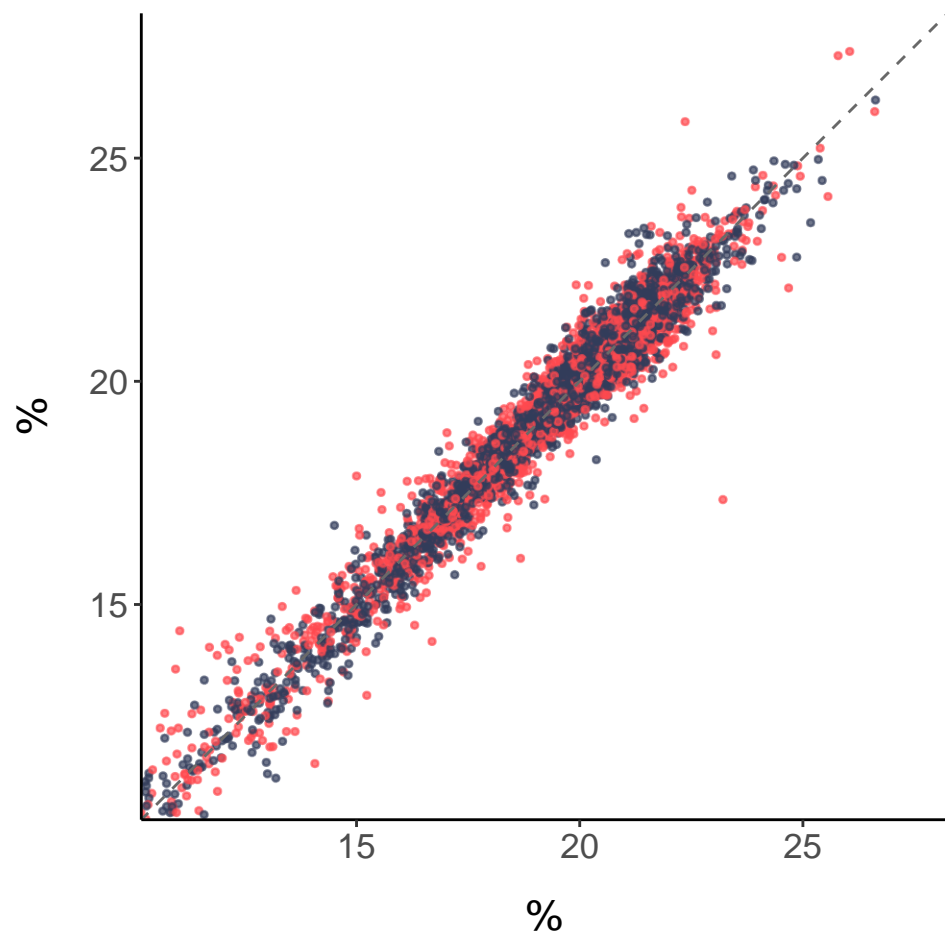
Large VLDL ratios

L_VLDL_PL_pct

CV: 1.25%, R^2 : 0.96

Different spectrometers

● FALSE ● TRUE

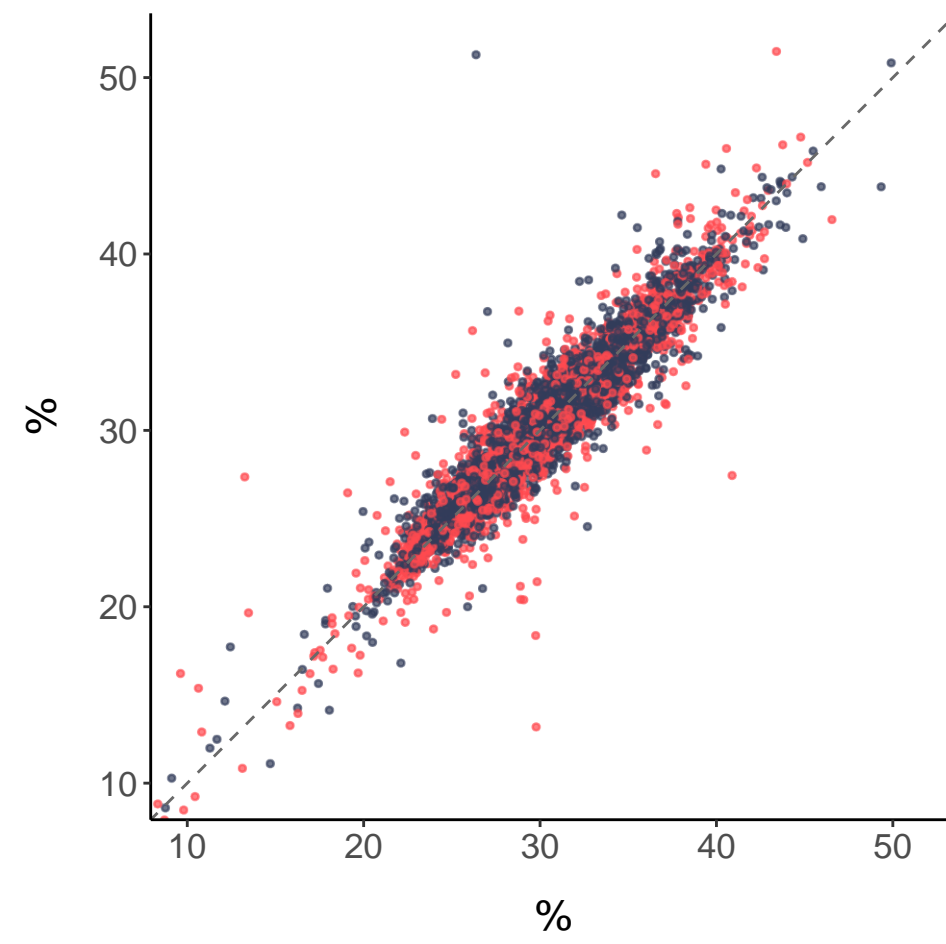


L_VLDL_C_pct

CV: 2.15%, R^2 : 0.9

Different spectrometers

● FALSE ● TRUE

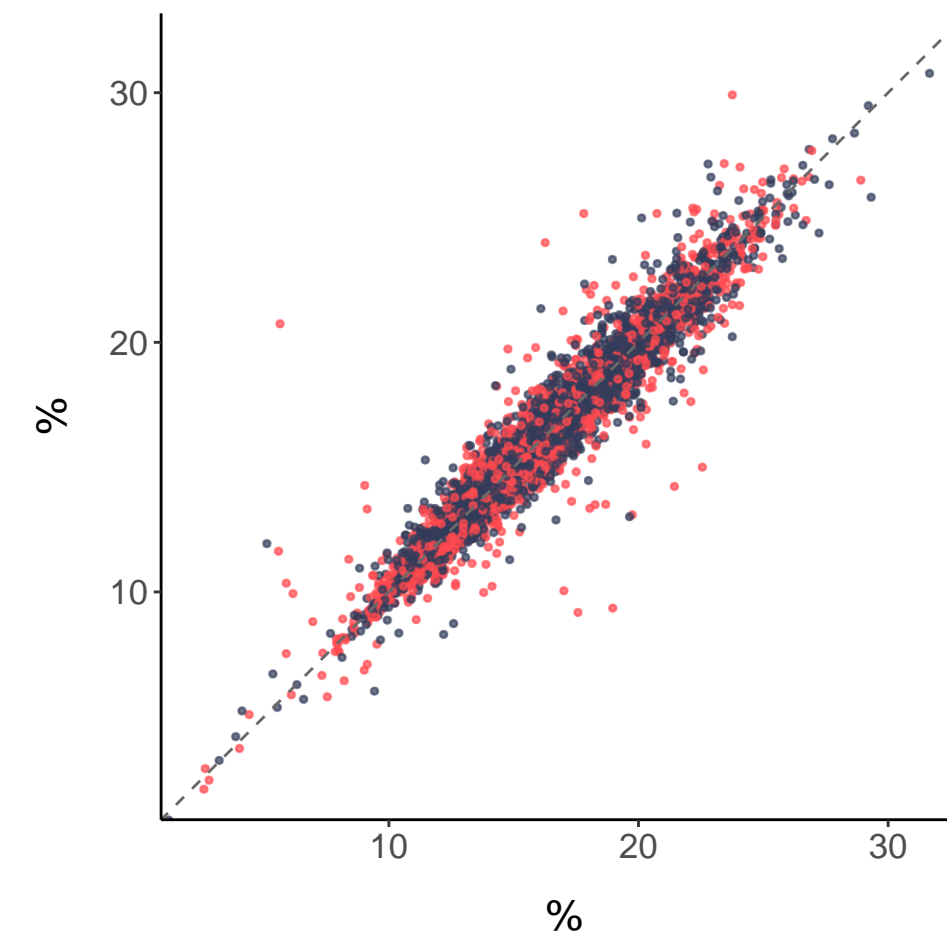


L_VLDL_CE_pct

CV: 2.6%, R^2 : 0.93

Different spectrometers

● FALSE ● TRUE

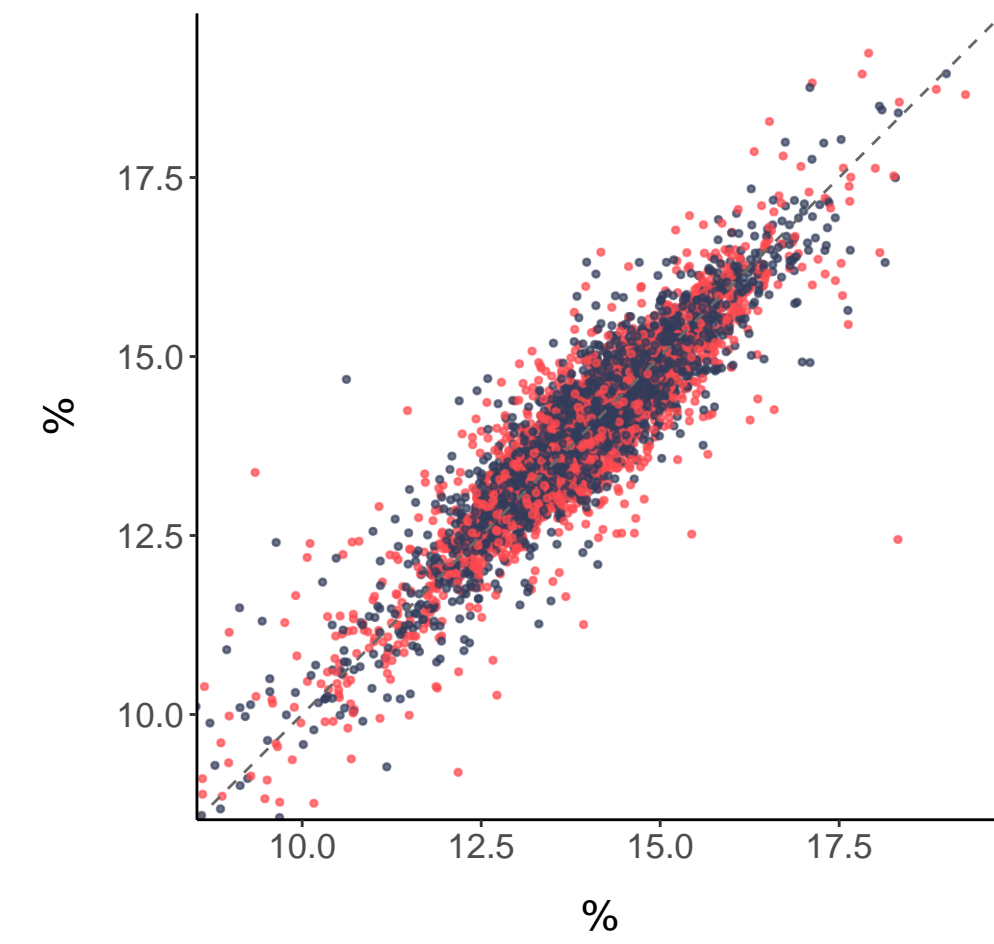


L_VLDL_FC_pct

CV: 1.75%, R^2 : 0.83

Different spectrometers

● FALSE ● TRUE

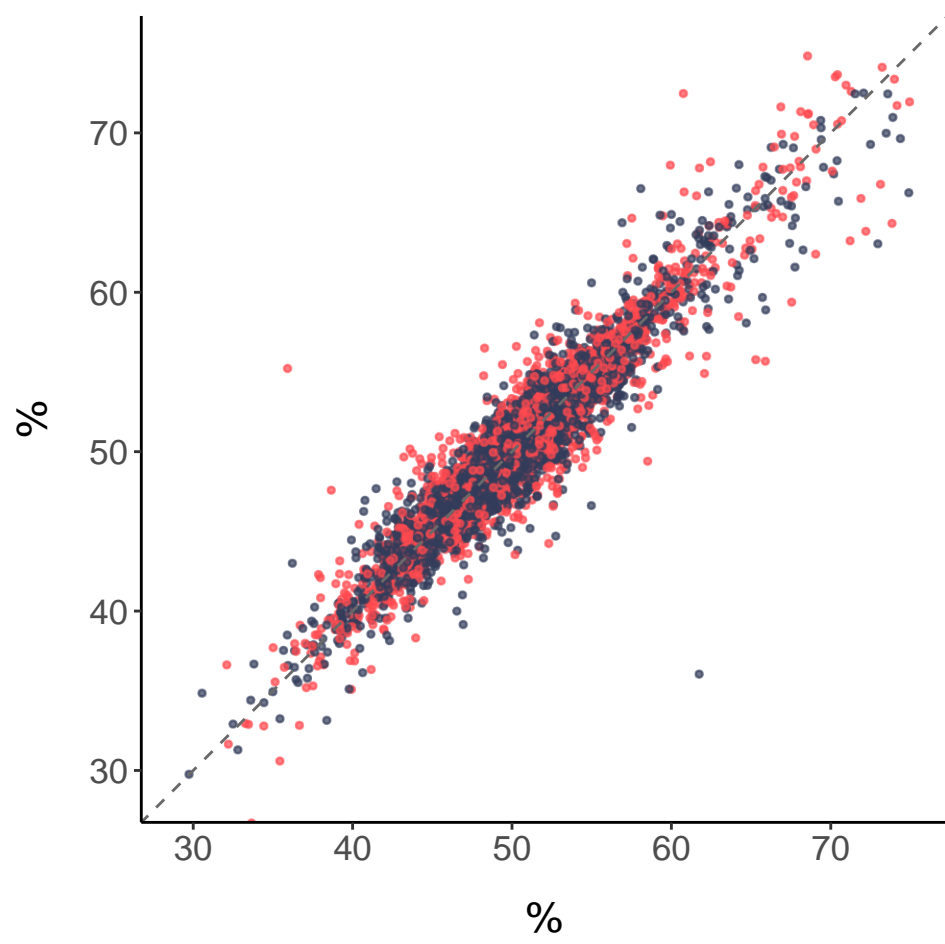


L_VLDL_TG_pct

CV: 1.57%, R^2 : 0.9

Different spectrometers

● FALSE ● TRUE



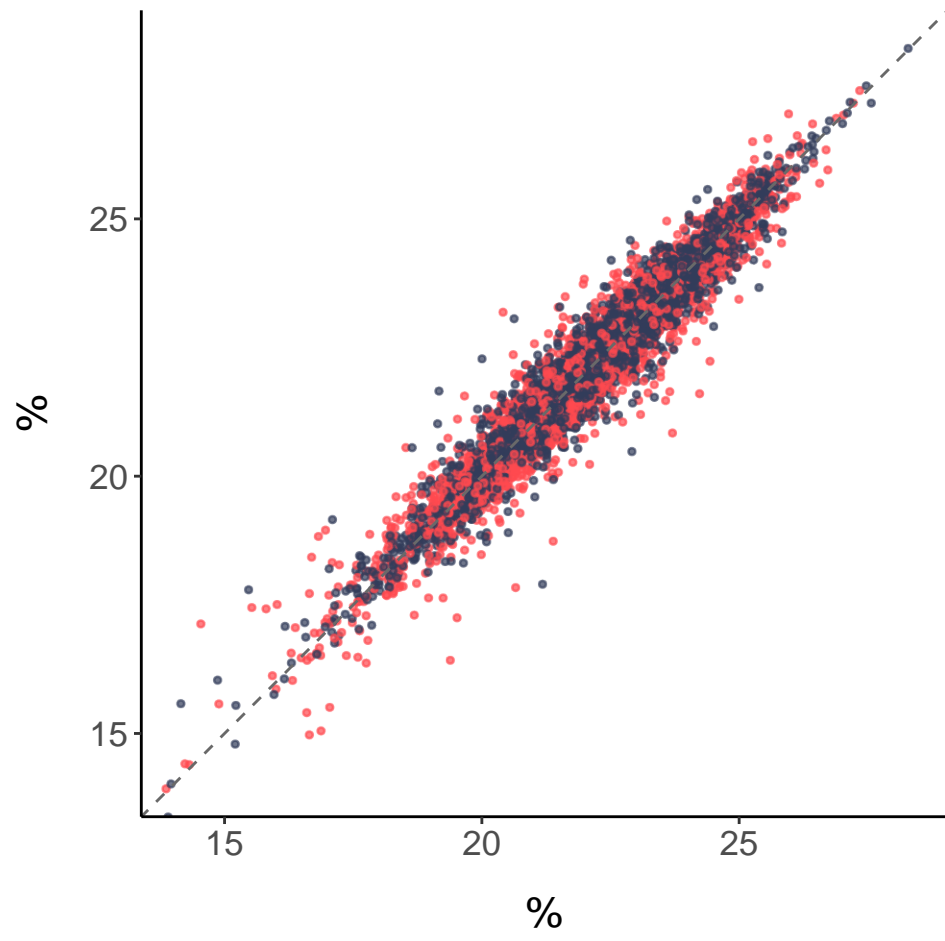
Medium VLDL ratios

M_VLDL_PL_pct

CV: 1.05%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

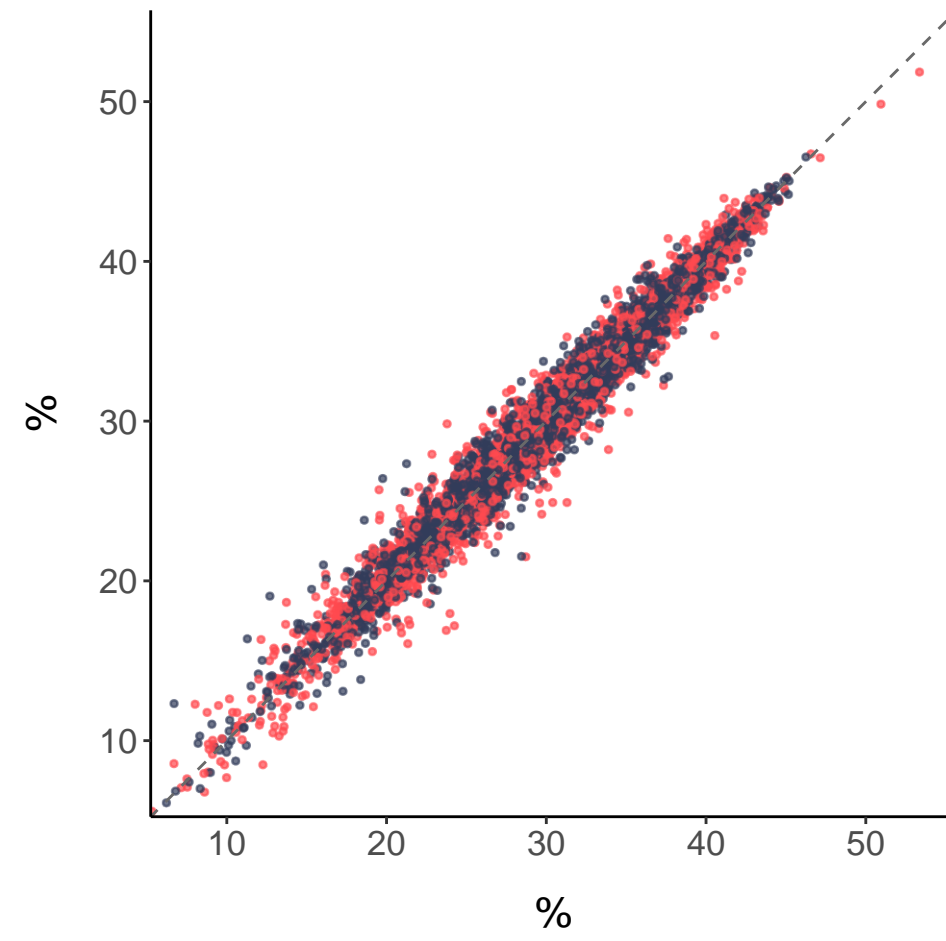


M_VLDL_C_pct

CV: 2.25%, R²: 0.97

Different spectrometers

● FALSE ● TRUE

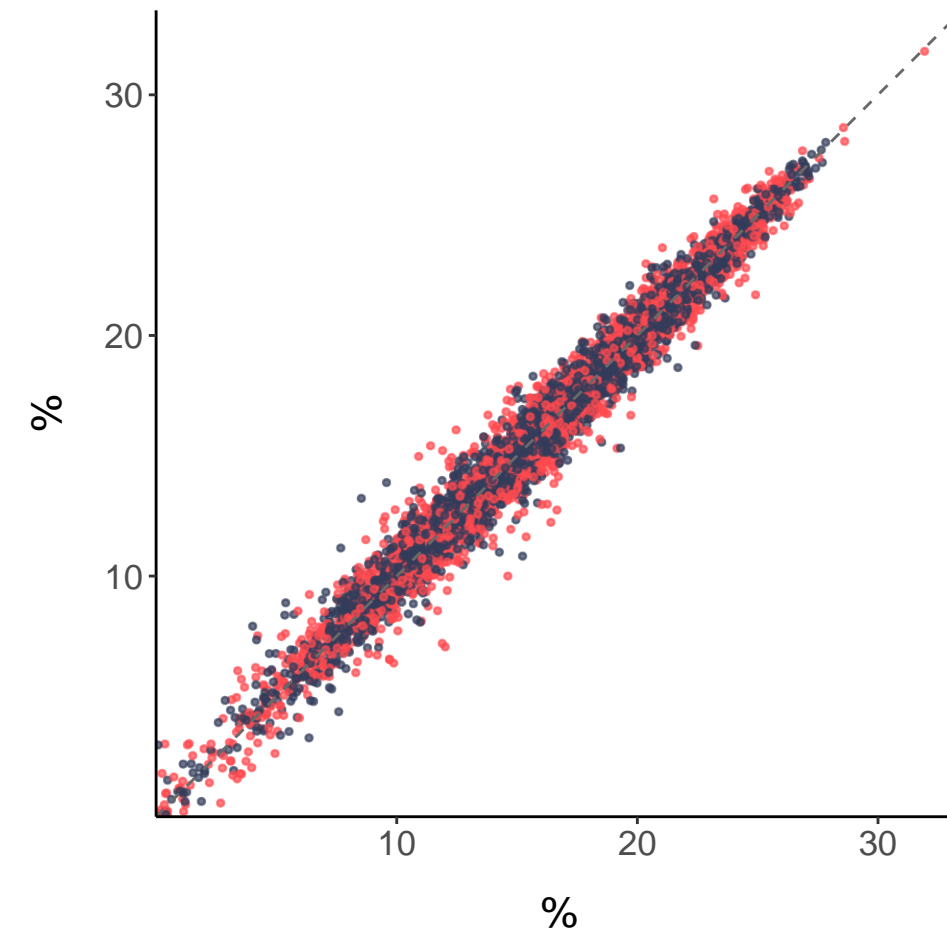


M_VLDL_CE_pct

CV: 3.43%, R²: 0.98

Different spectrometers

● FALSE ● TRUE

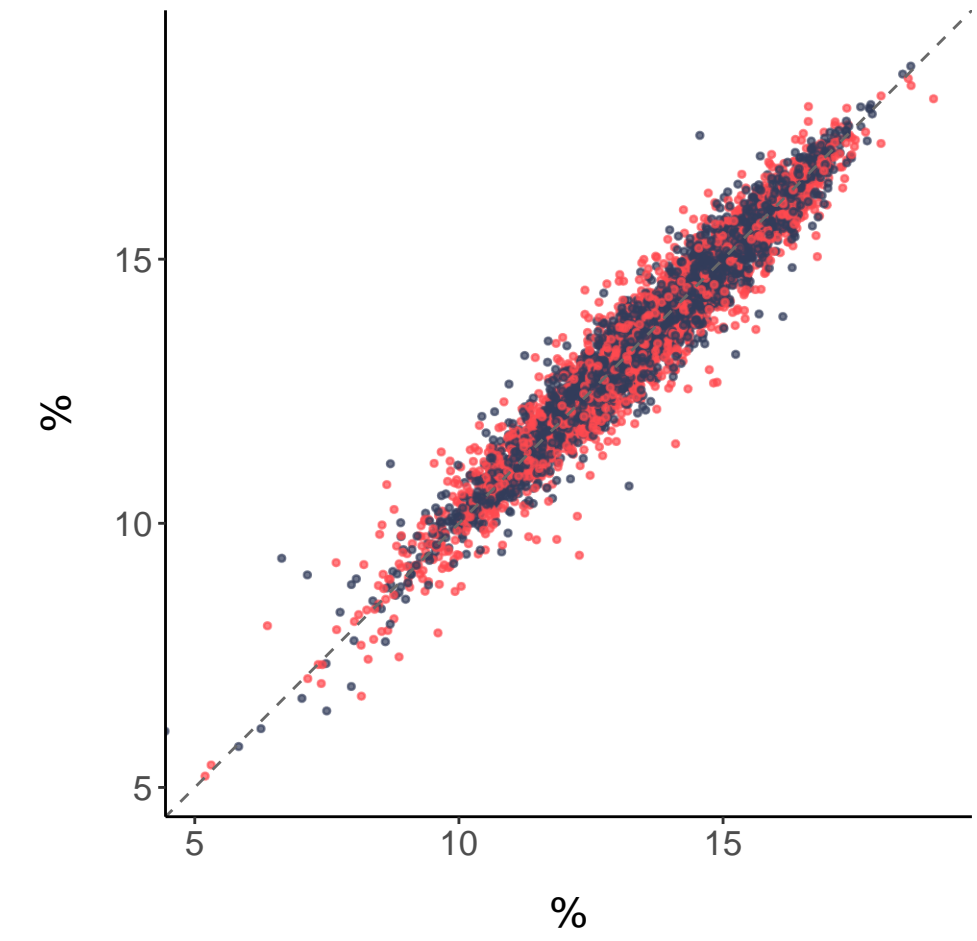


M_VLDL_FC_pct

CV: 1.69%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

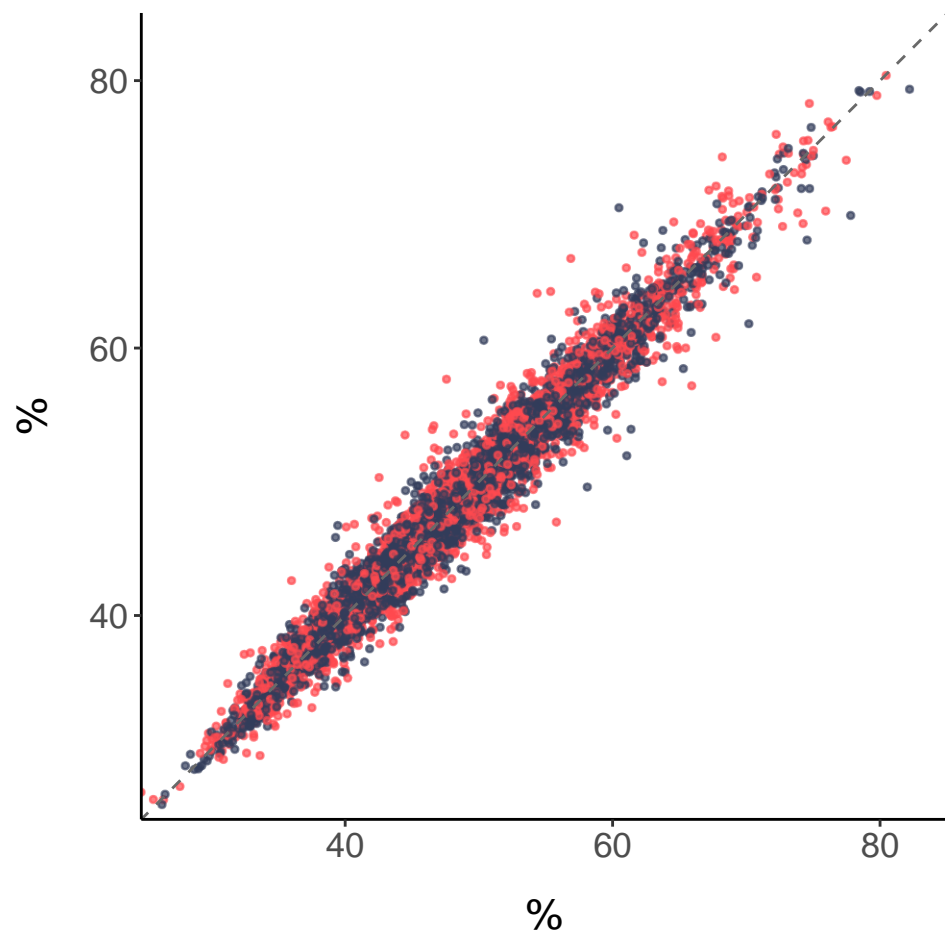


M_VLDL_TG_pct

CV: 1.72%, R²: 0.96

Different spectrometers

● FALSE ● TRUE



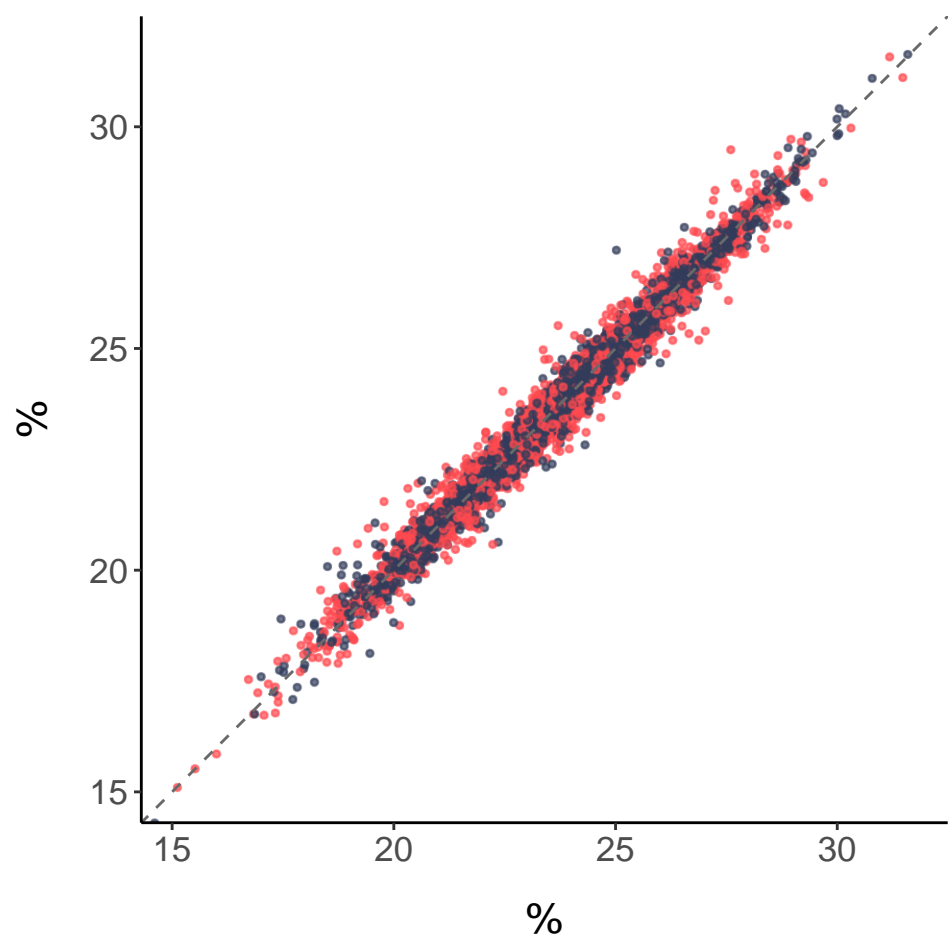
Small VLDL ratios

S_VLDL_PL_pct

CV: 0.68%, R²: 0.98

Different spectrometers

● FALSE ● TRUE

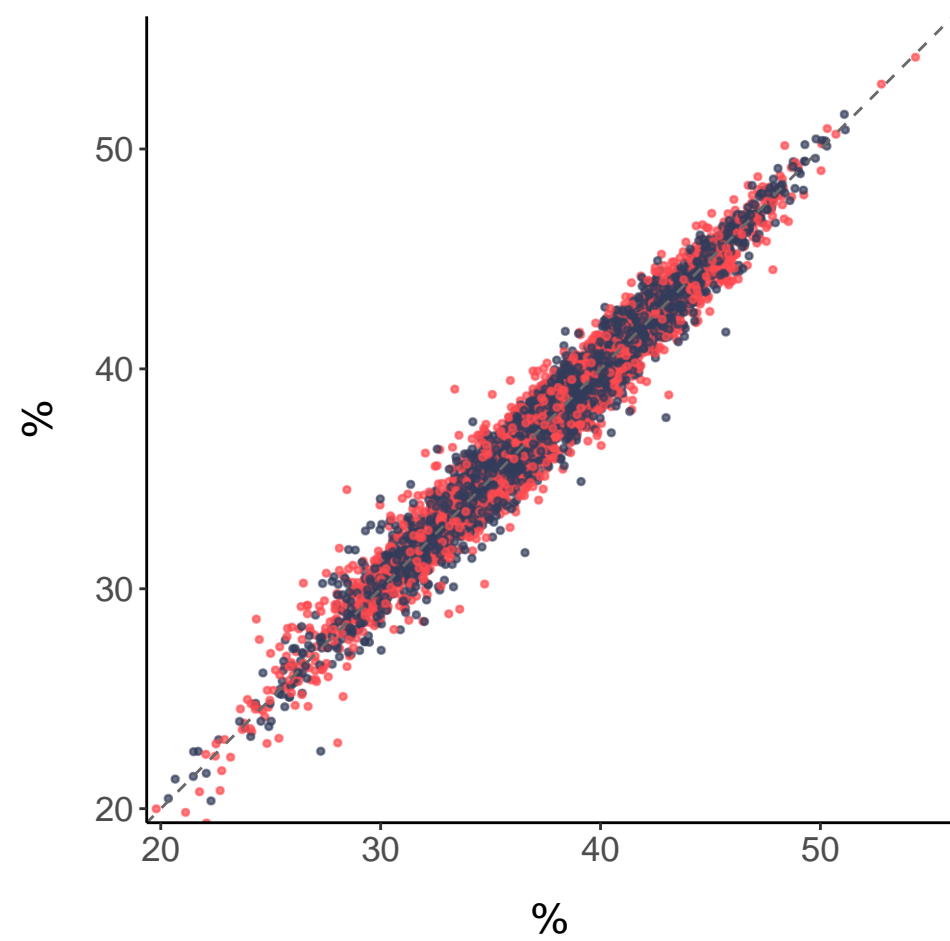


S_VLDL_C_pct

CV: 1.31%, R²: 0.96

Different spectrometers

● FALSE ● TRUE

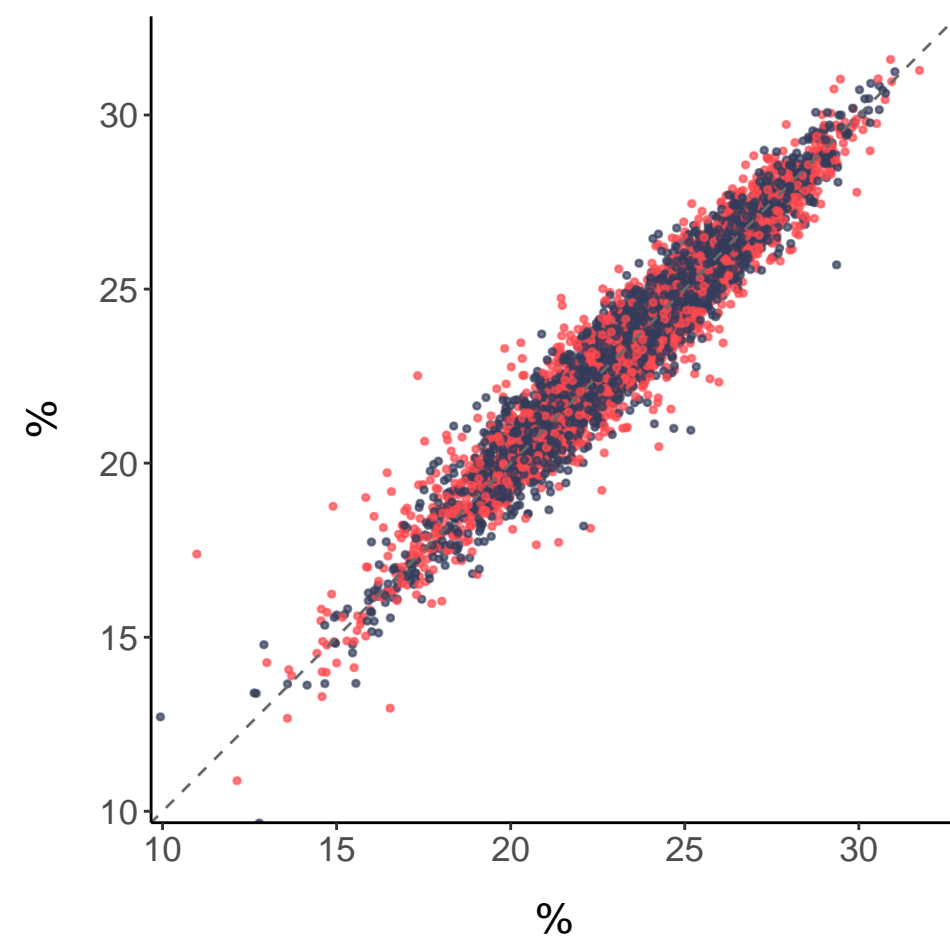


S_VLDL_CE_pct

CV: 1.64%, R²: 0.93

Different spectrometers

● FALSE ● TRUE

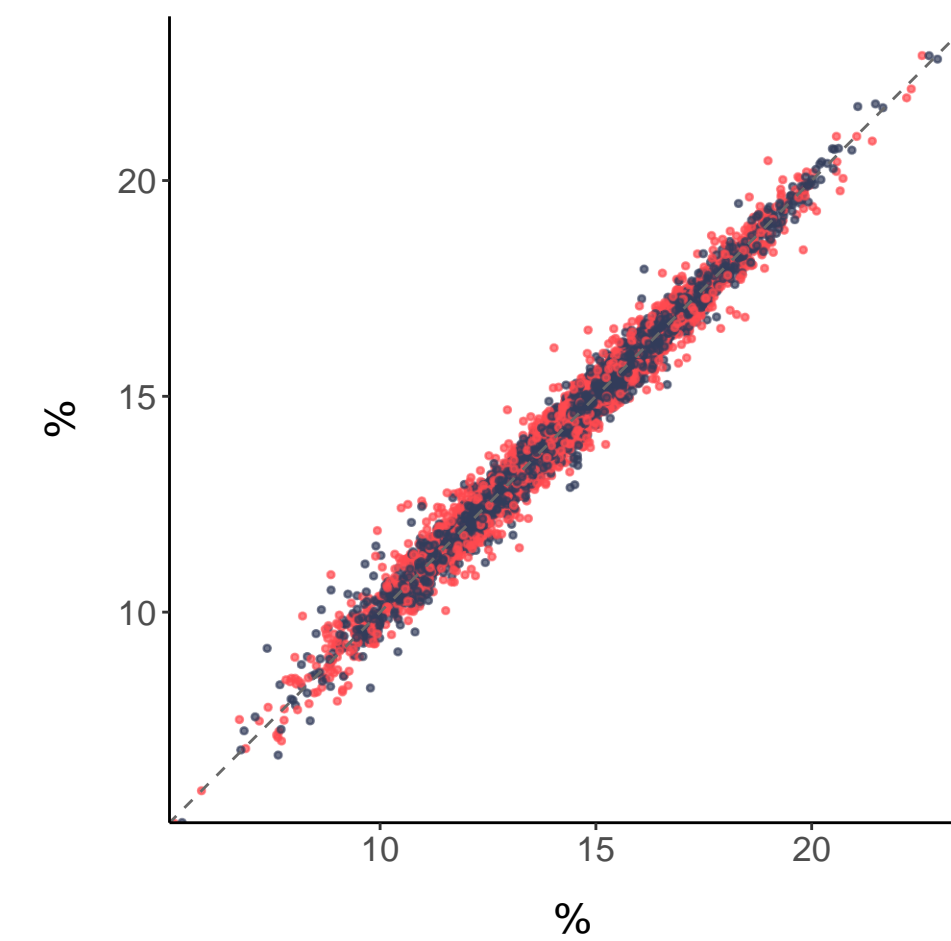


S_VLDL_FC_pct

CV: 1.24%, R²: 0.98

Different spectrometers

● FALSE ● TRUE

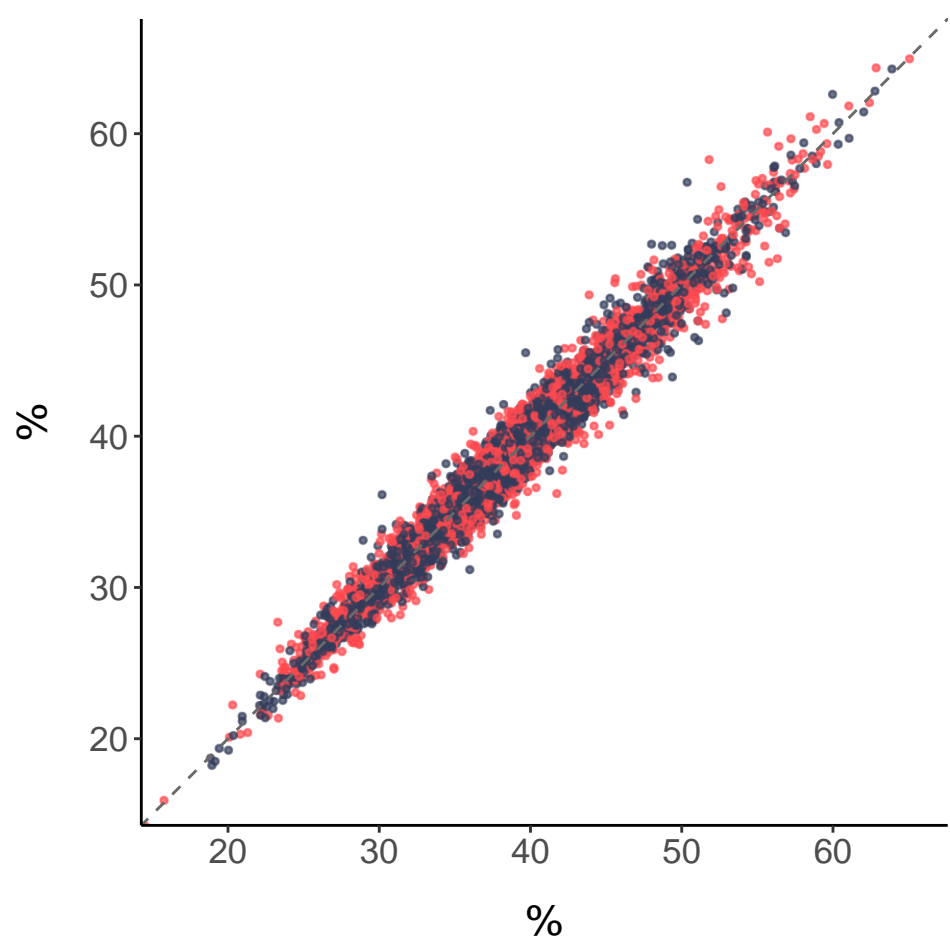


S_VLDL_TG_pct

CV: 1.56%, R²: 0.97

Different spectrometers

● FALSE ● TRUE



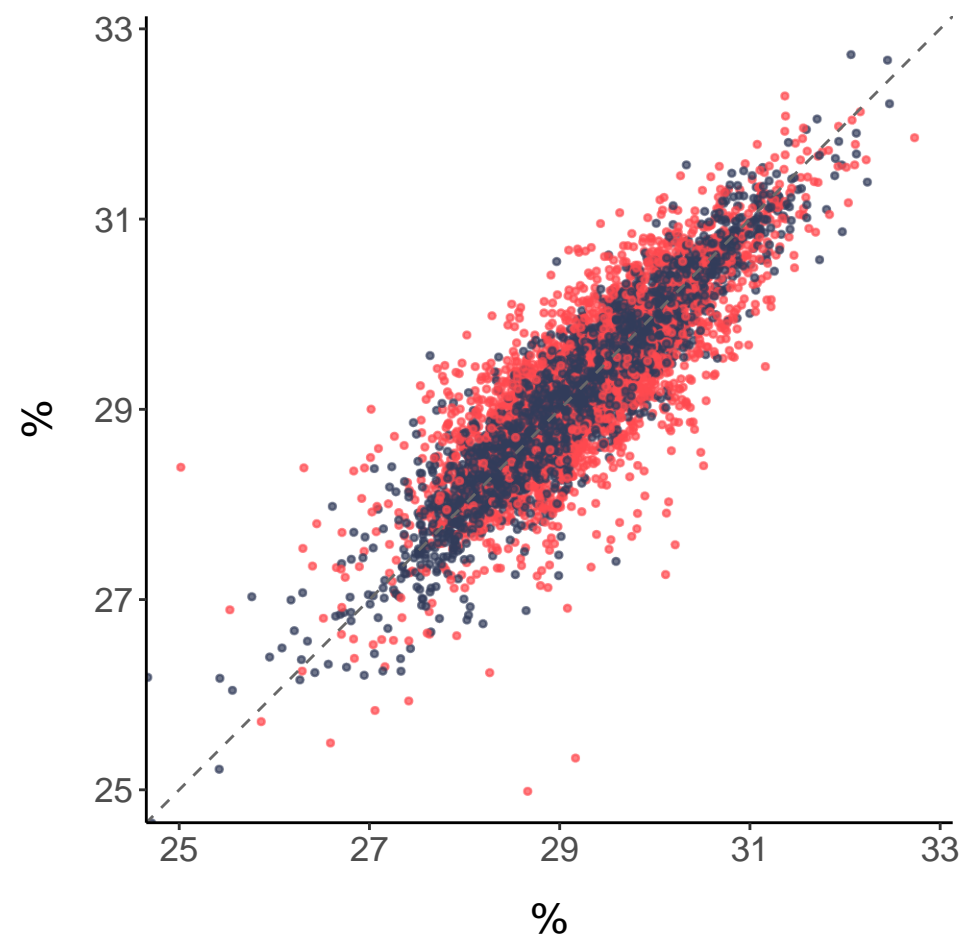
Very small VLDL ratios

XS_VLDL_PL_pct

CV: 0.8%, R^2 : 0.76

Different spectrometers

● FALSE ● TRUE

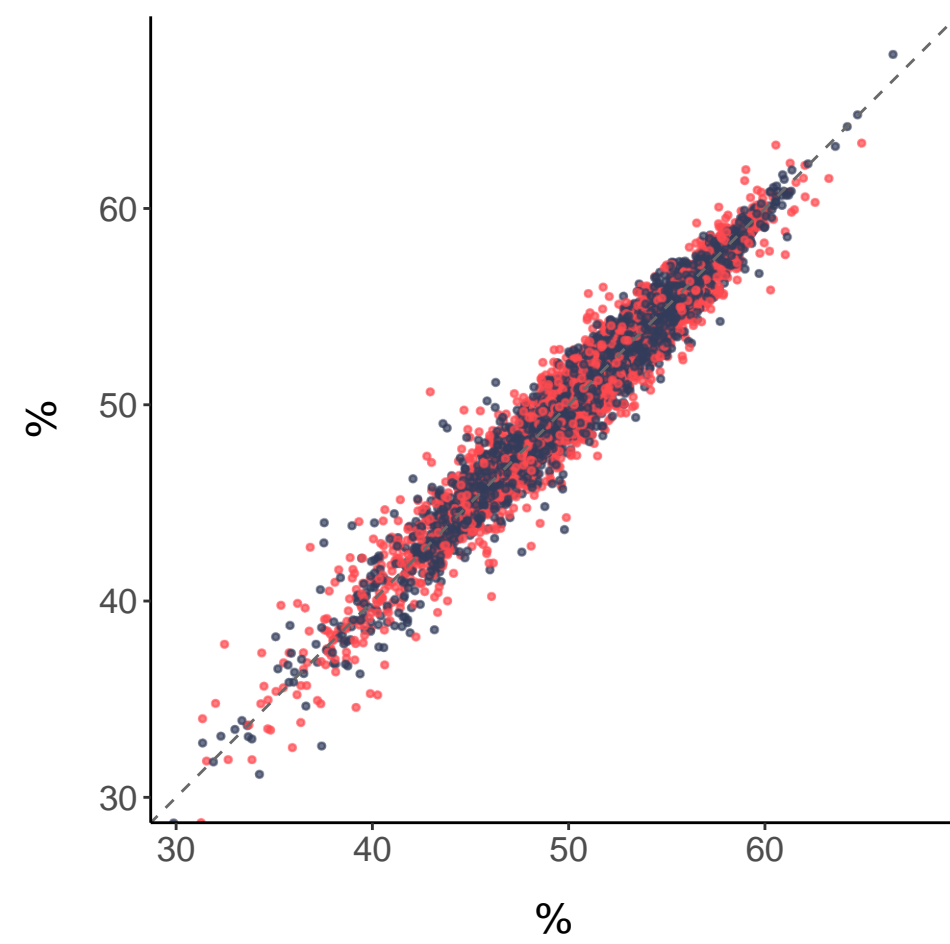


XS_VLDL_C_pct

CV: 1.13%, R^2 : 0.95

Different spectrometers

● FALSE ● TRUE

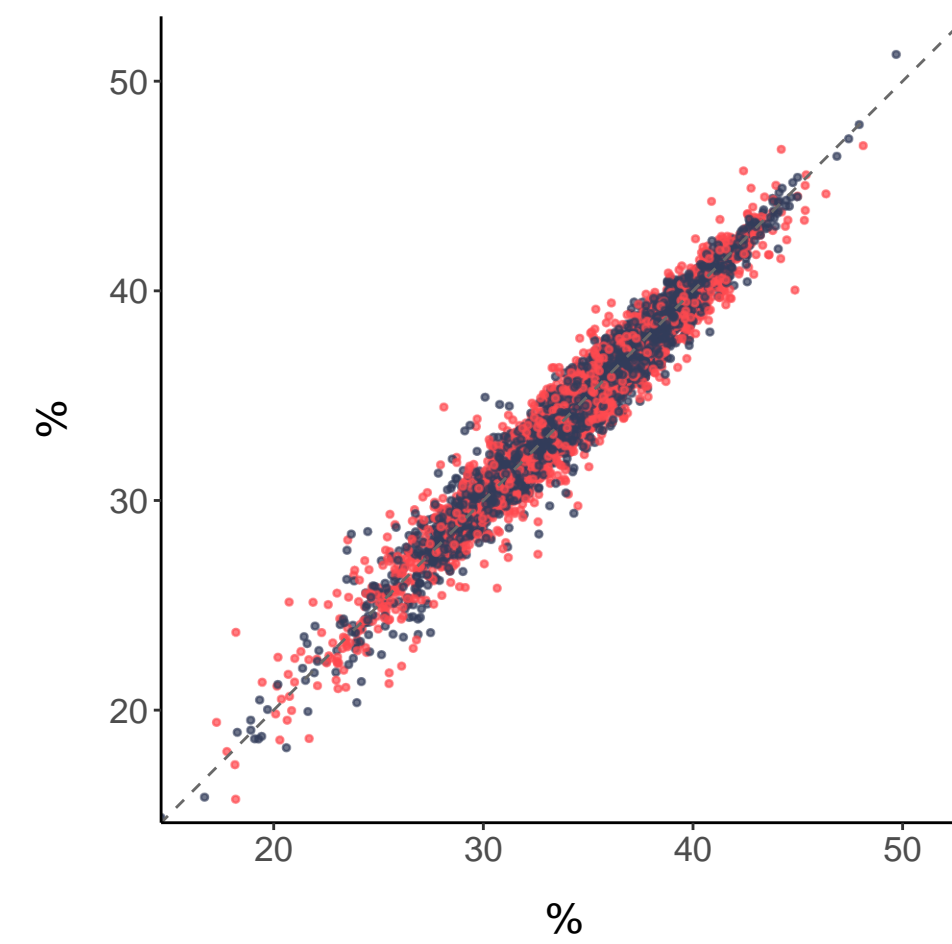


XS_VLDL_CE_pct

CV: 1.41%, R^2 : 0.95

Different spectrometers

● FALSE ● TRUE

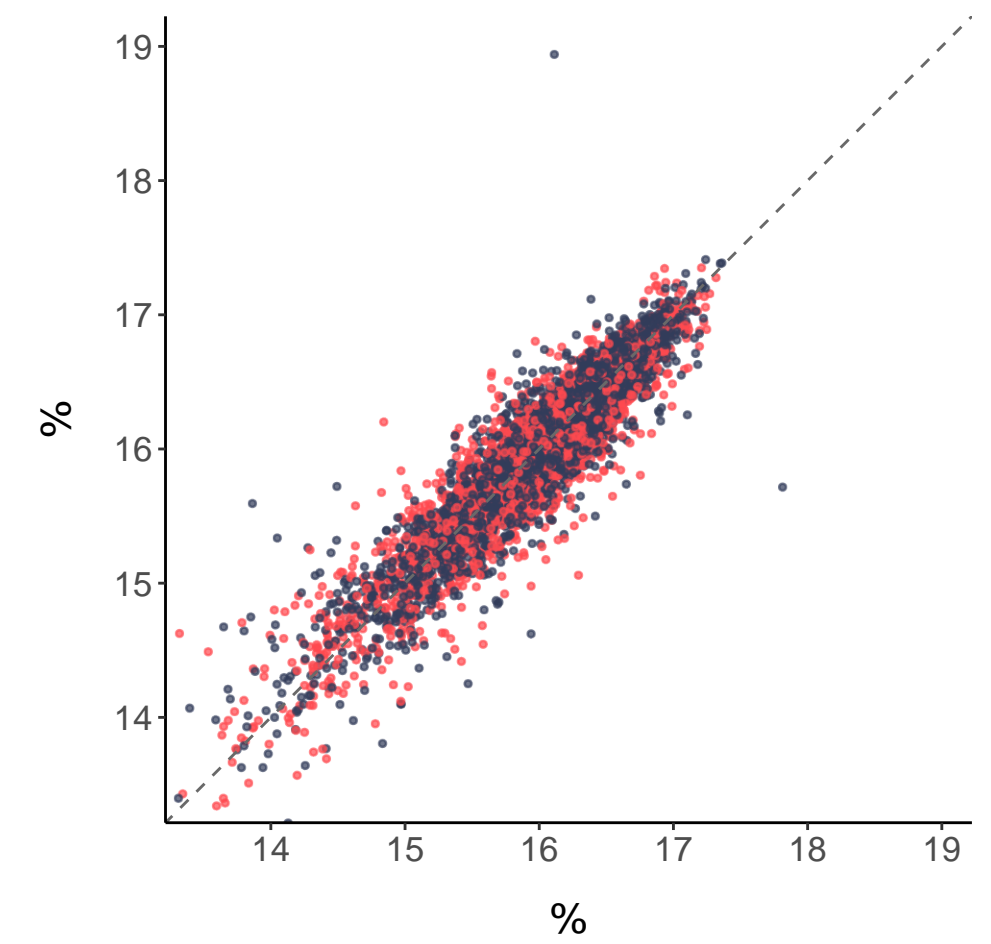


XS_VLDL_FC_pct

CV: 0.72%, R^2 : 0.86

Different spectrometers

● FALSE ● TRUE

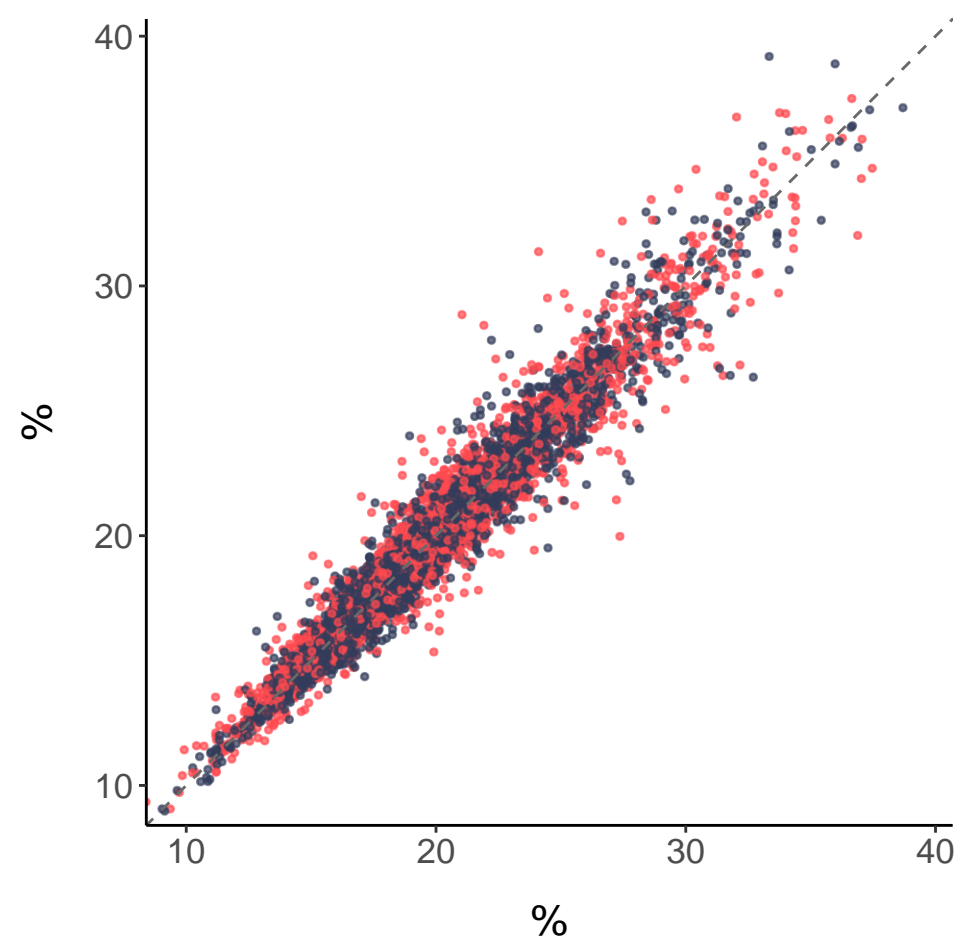


XS_VLDL_TG_pct

CV: 2.45%, R^2 : 0.94

Different spectrometers

● FALSE ● TRUE



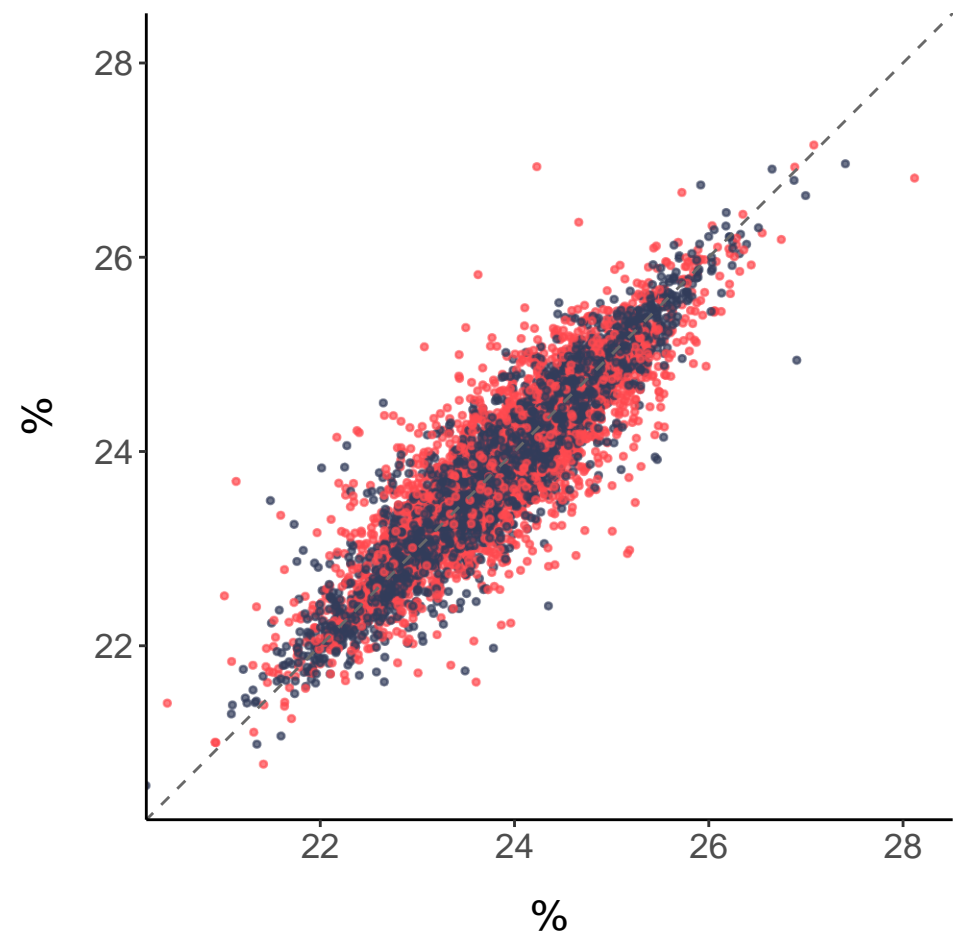
IDL ratios

IDL_PL_pct

CV: 0.84%, R²: 0.81

Different spectrometers

● FALSE ● TRUE

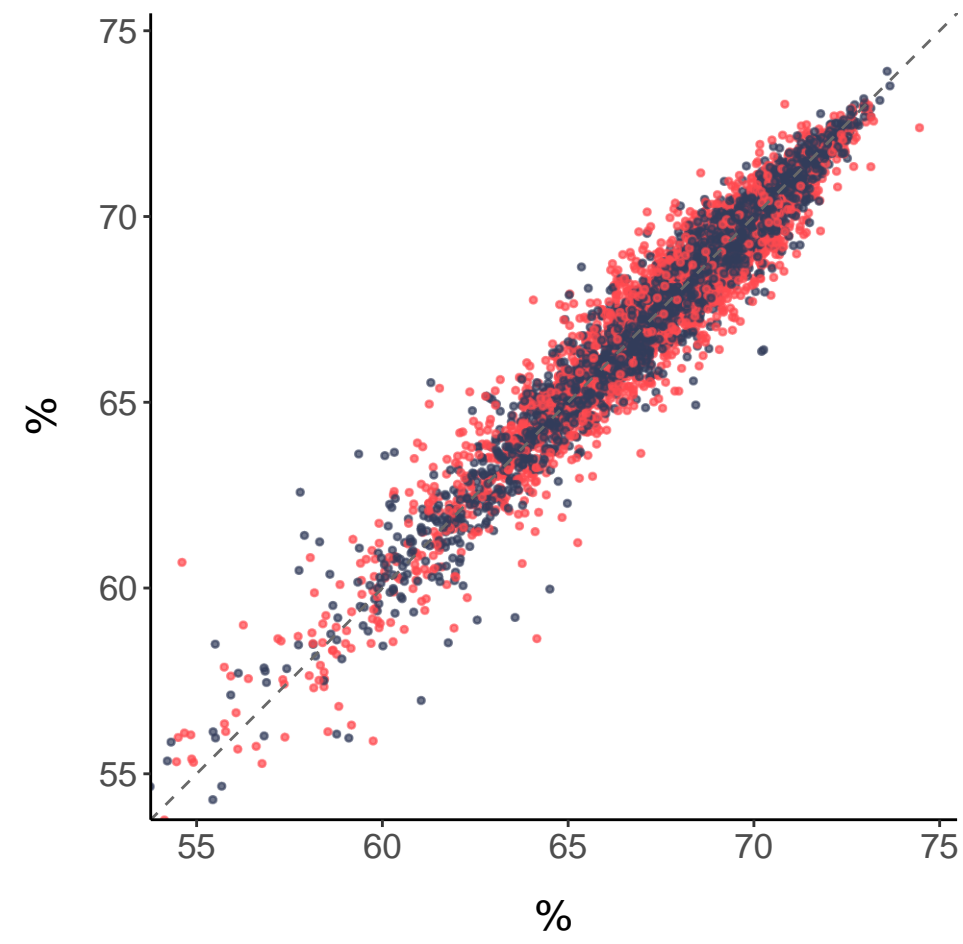


IDL_C_pct

CV: 0.56%, R²: 0.93

Different spectrometers

● FALSE ● TRUE

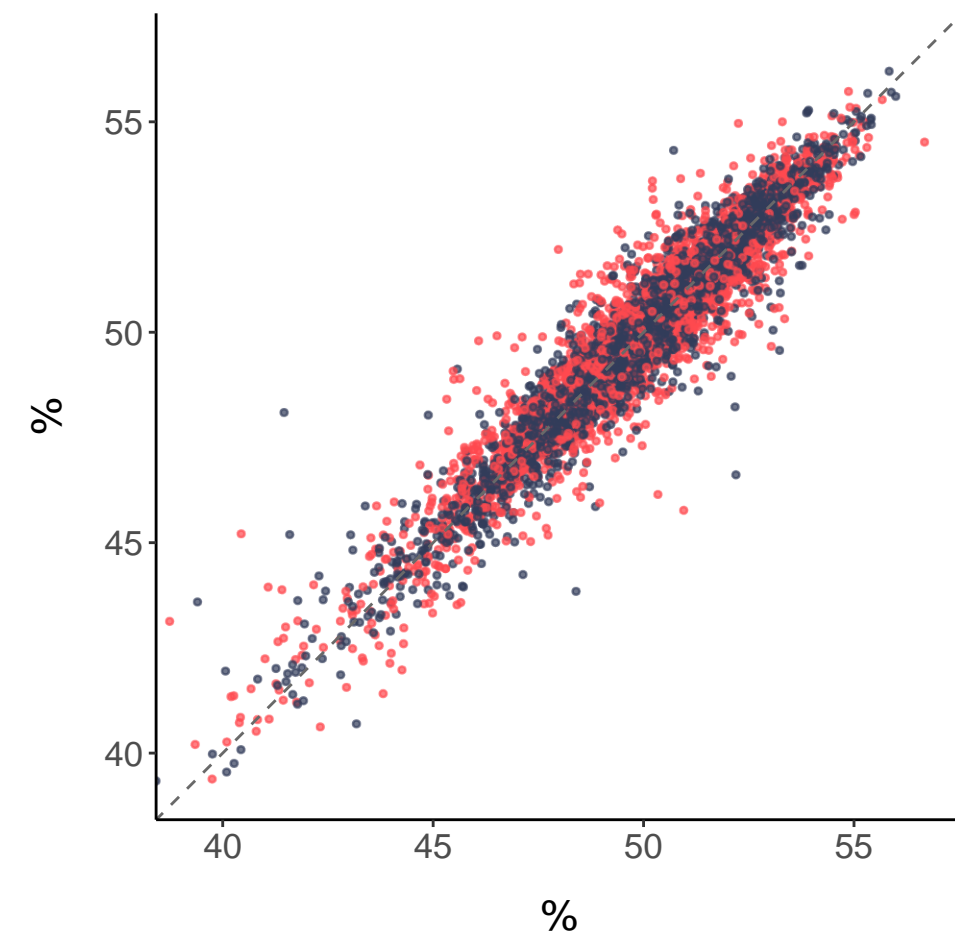


IDL_CE_pct

CV: 0.71%, R²: 0.91

Different spectrometers

● FALSE ● TRUE

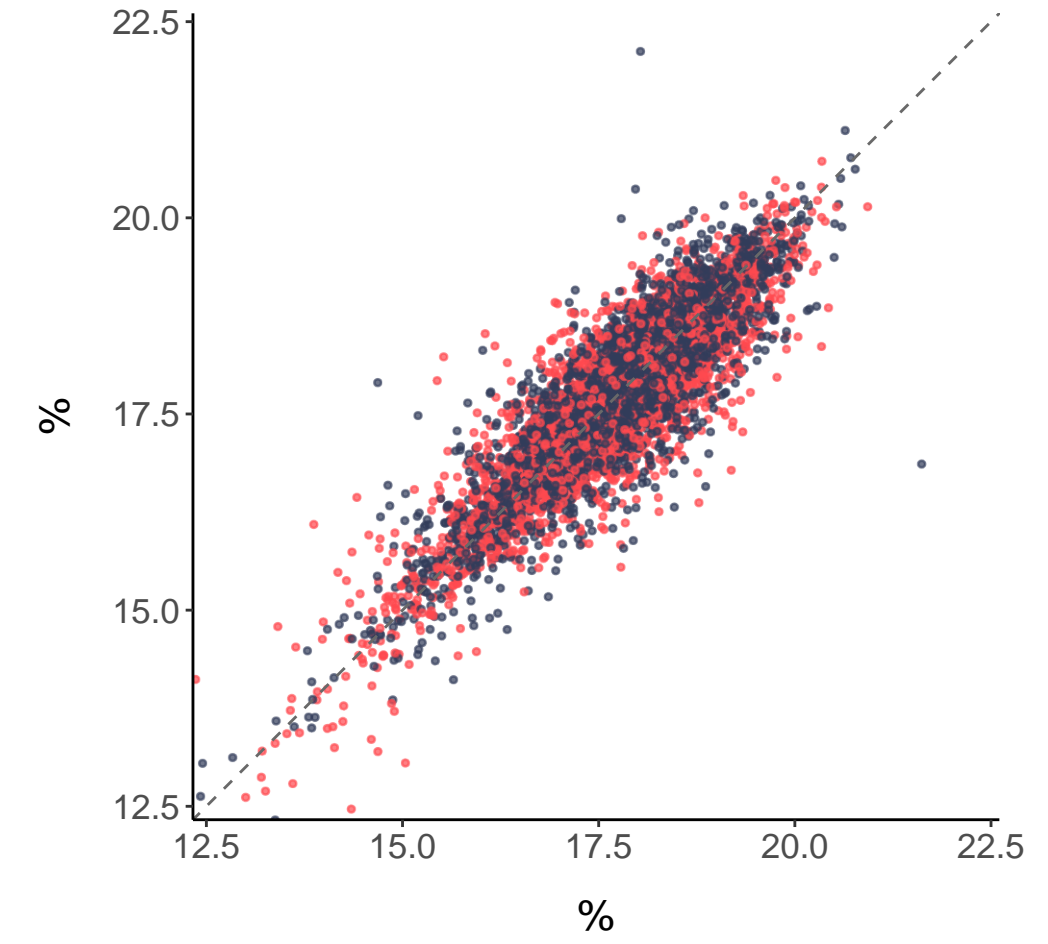


IDL_FC_pct

CV: 1.55%, R²: 0.78

Different spectrometers

● FALSE ● TRUE

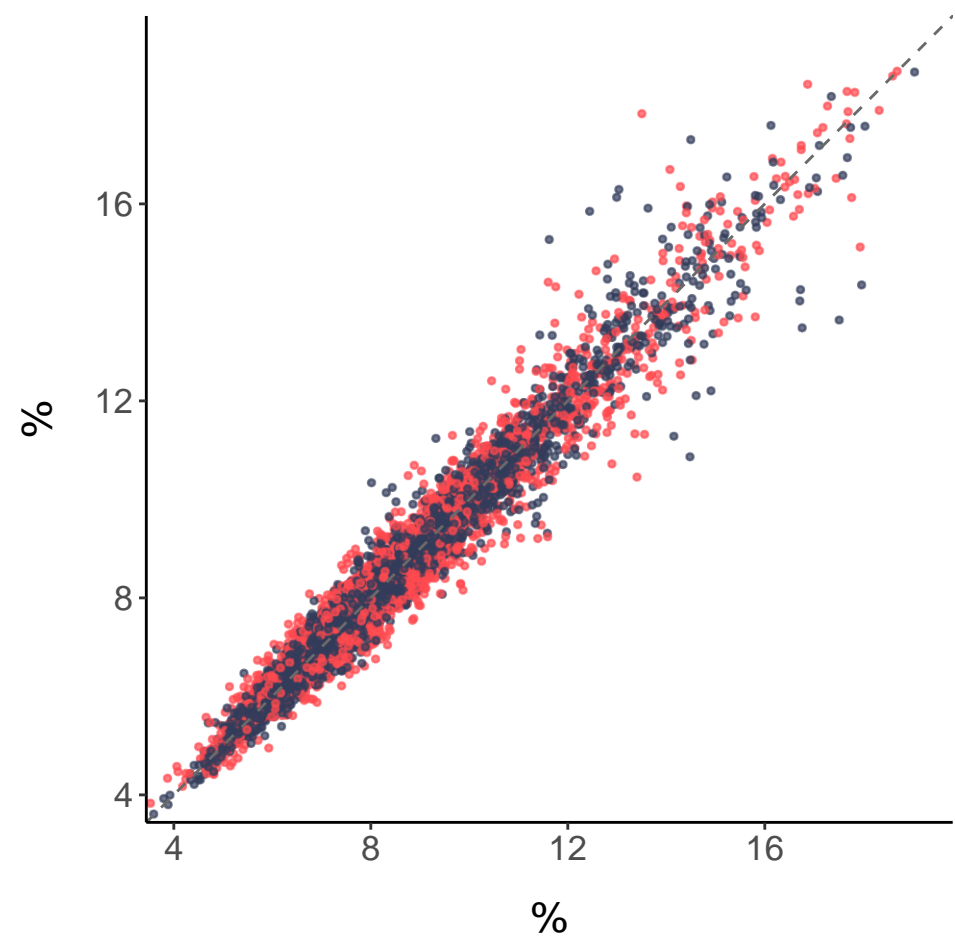


IDL_TG_pct

CV: 2.63%, R²: 0.96

Different spectrometers

● FALSE ● TRUE



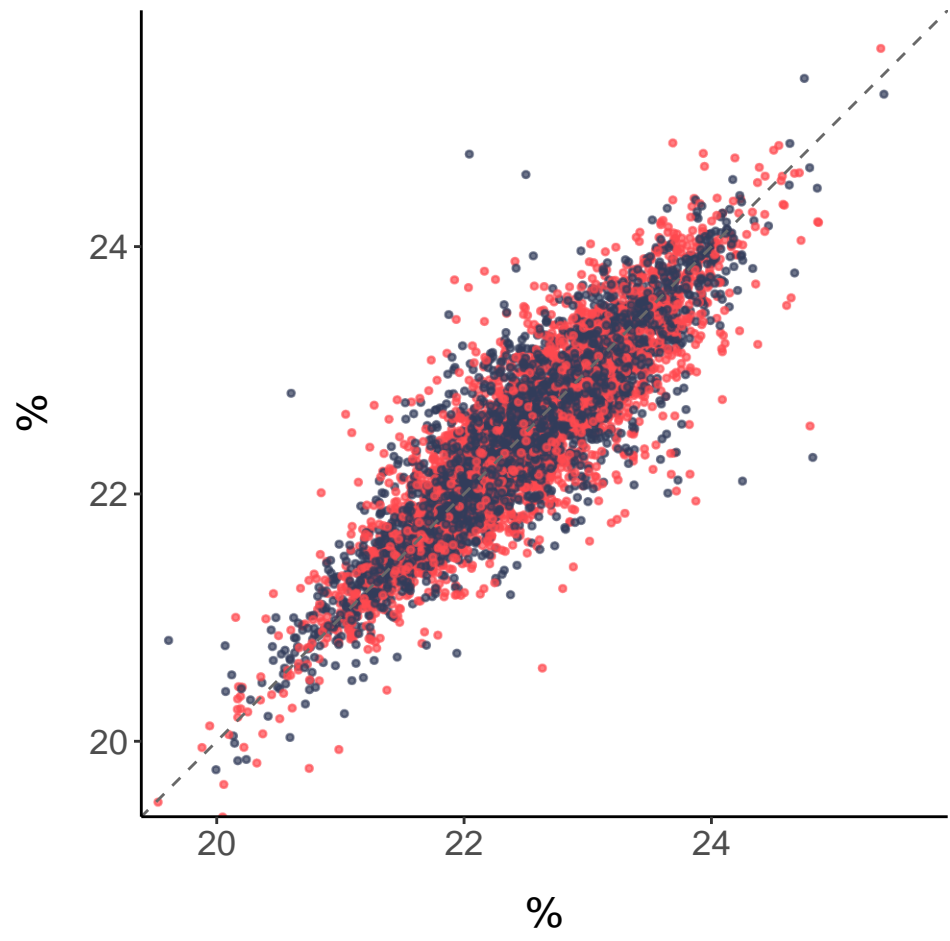
Large LDL ratios

L_LDL_PL_pct

CV: 0.84%, R²: 0.78

Different spectrometers

● FALSE ● TRUE

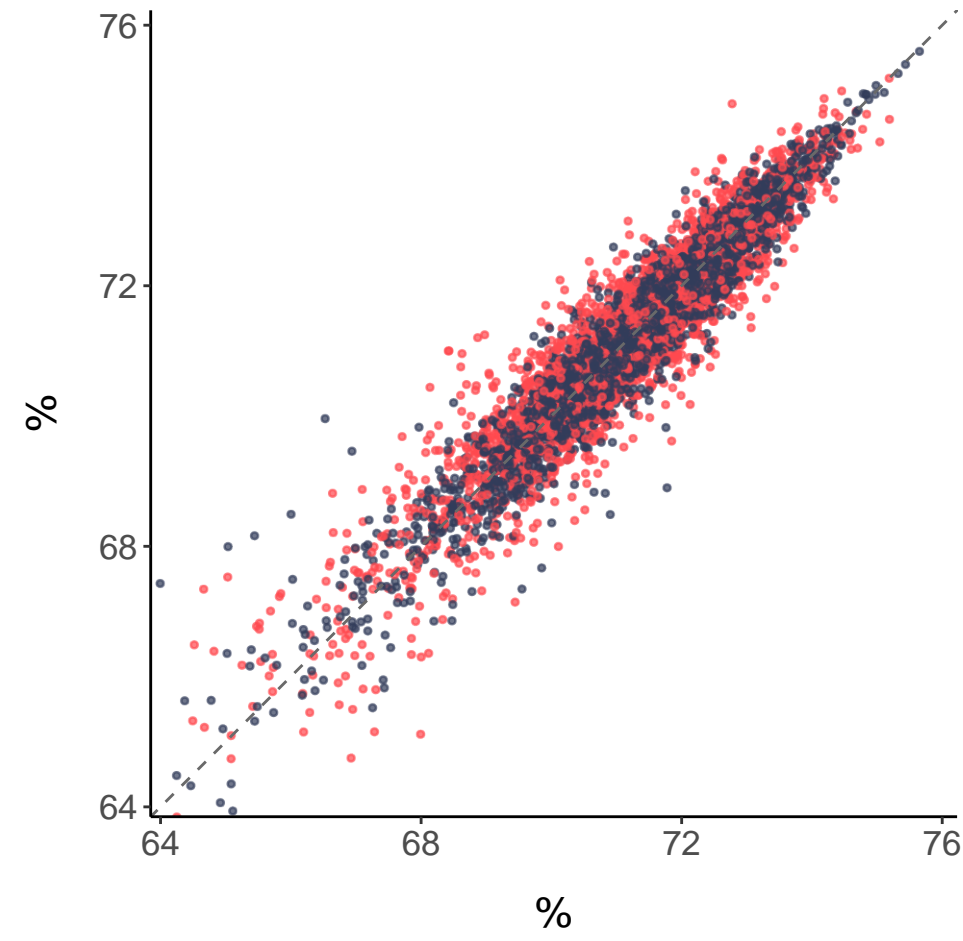


L_LDL_C_pct

CV: 0.36%, R²: 0.9

Different spectrometers

● FALSE ● TRUE

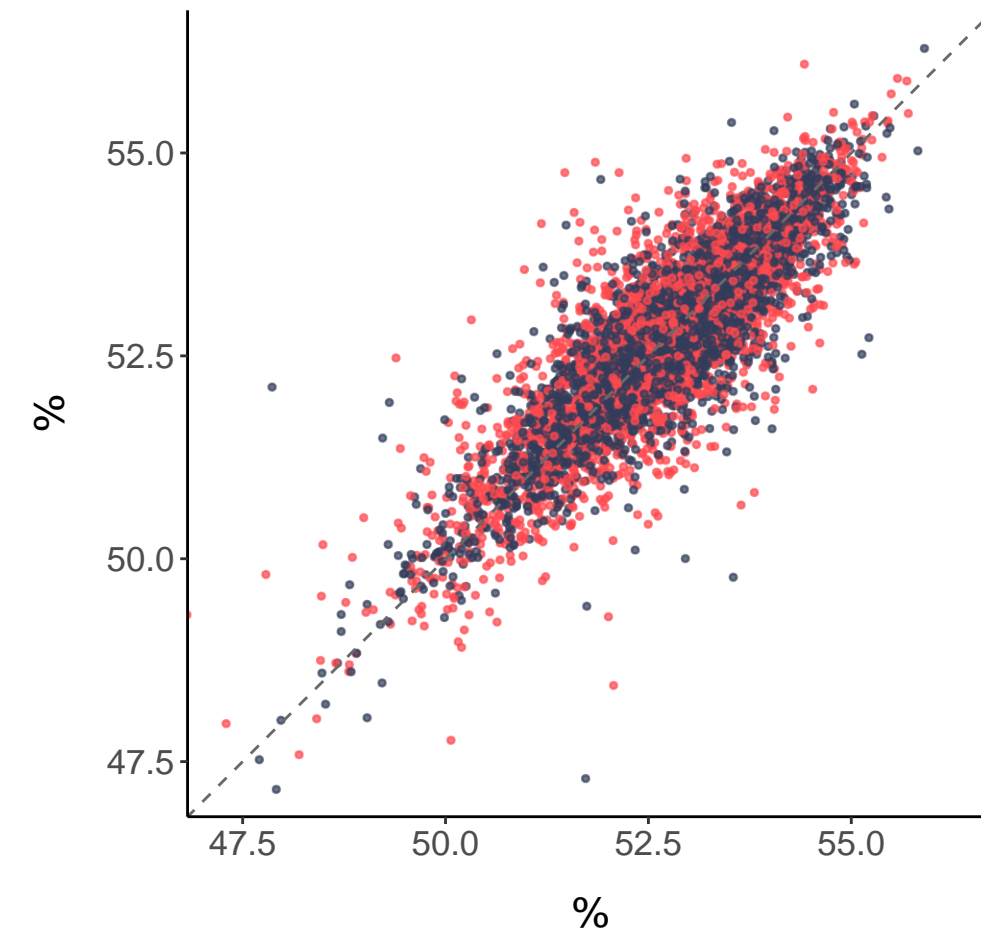


L_LDL_CE_pct

CV: 0.59%, R²: 0.74

Different spectrometers

● FALSE ● TRUE

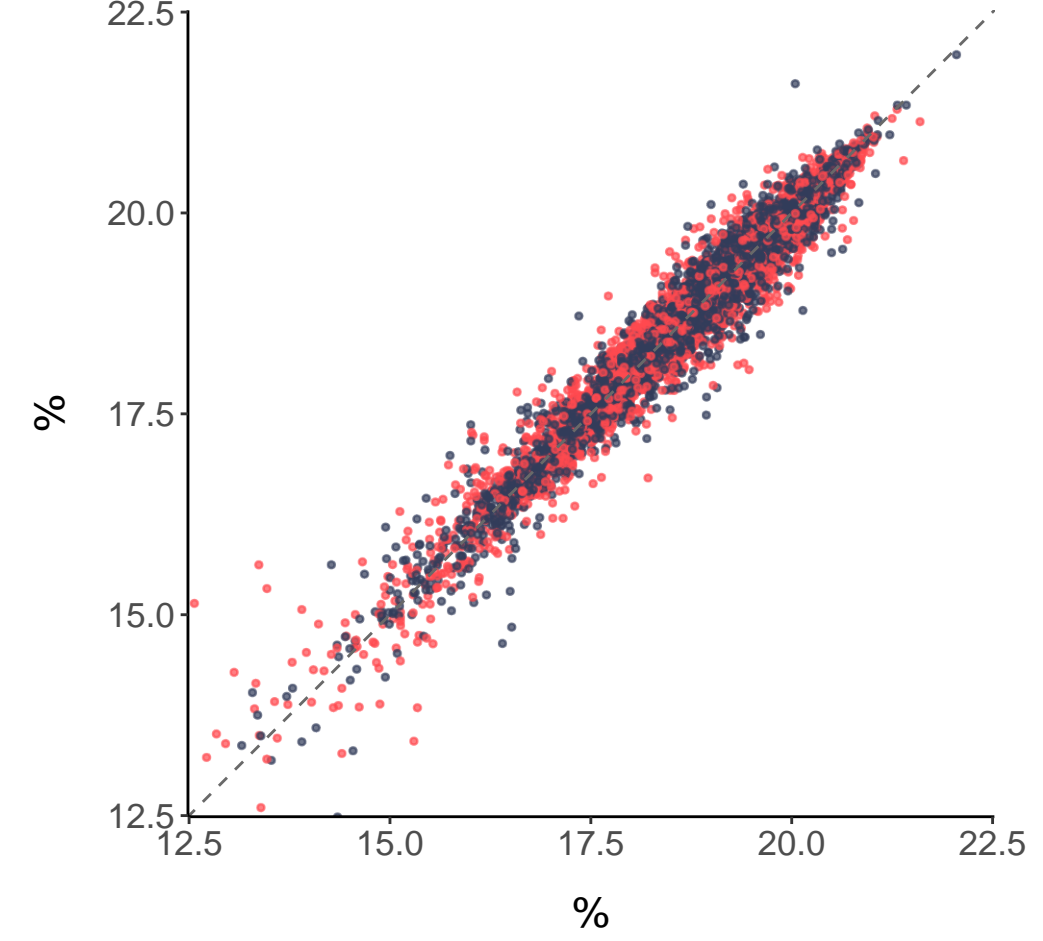


L_LDL_FC_pct

CV: 0.8%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

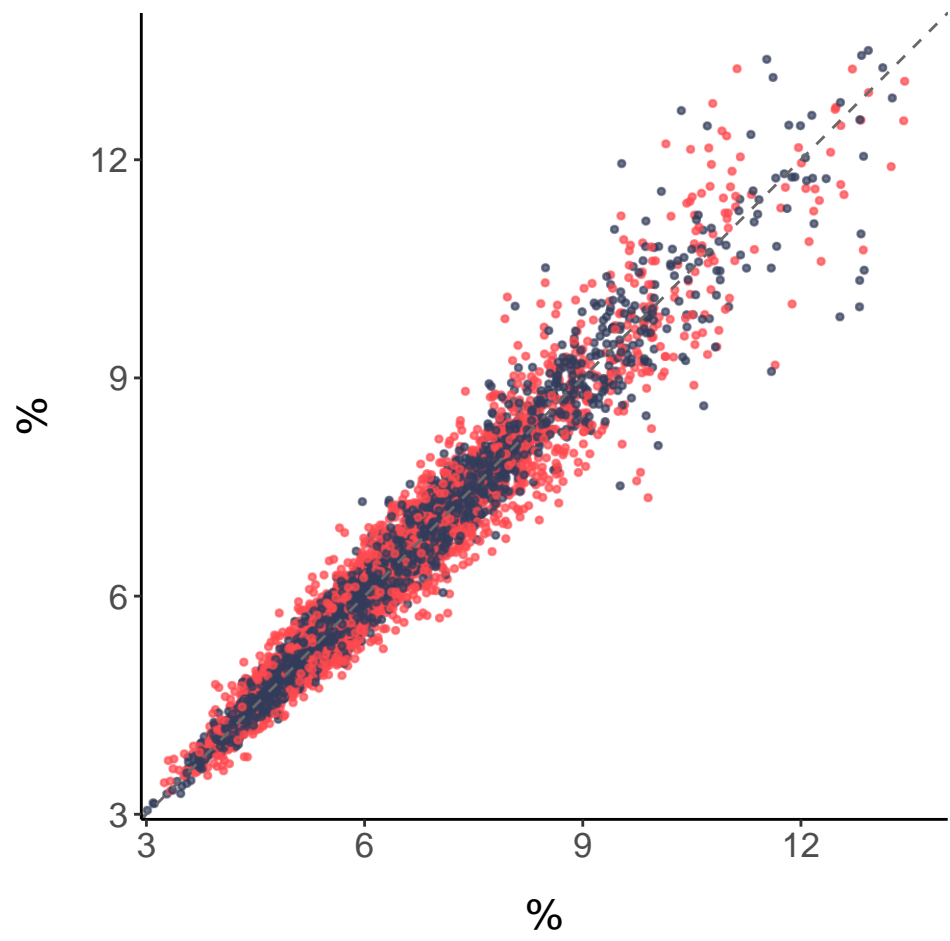


L_LDL_TG_pct

CV: 2.58%, R²: 0.95

Different spectrometers

● FALSE ● TRUE



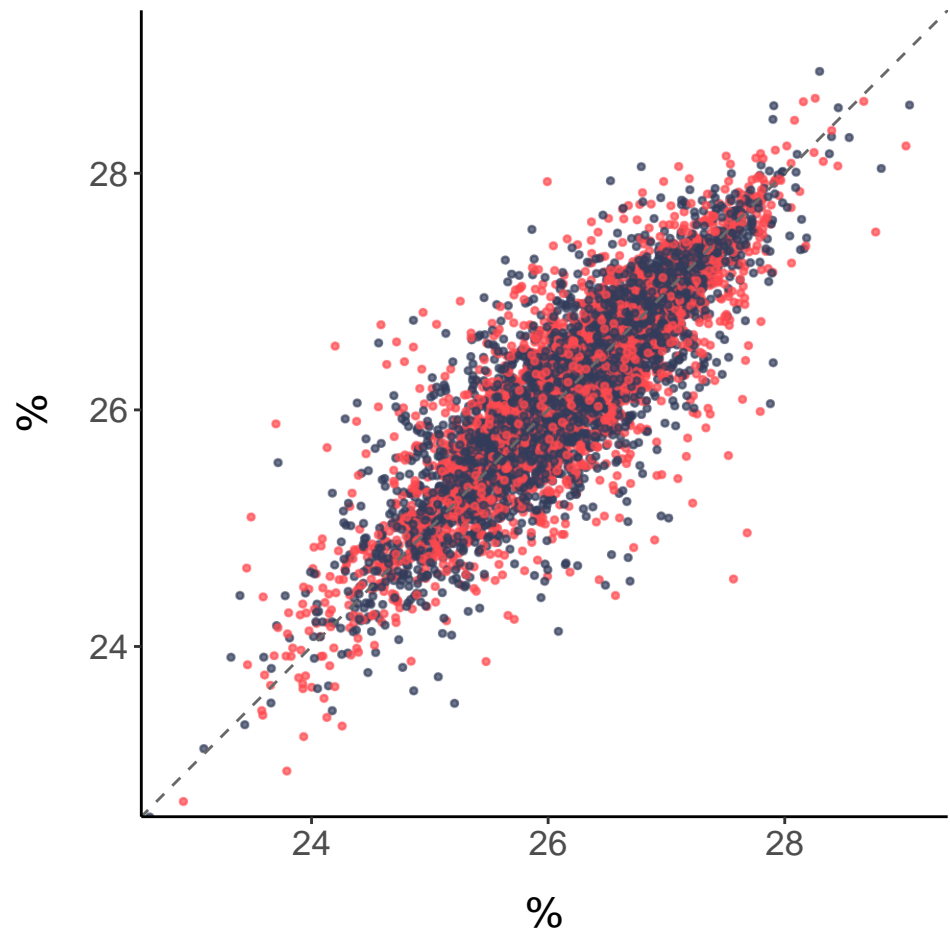
Medium LDL ratios

M_LDL_PL_pct

CV: 0.82%, R²: 0.74

Different spectrometers

● FALSE ● TRUE

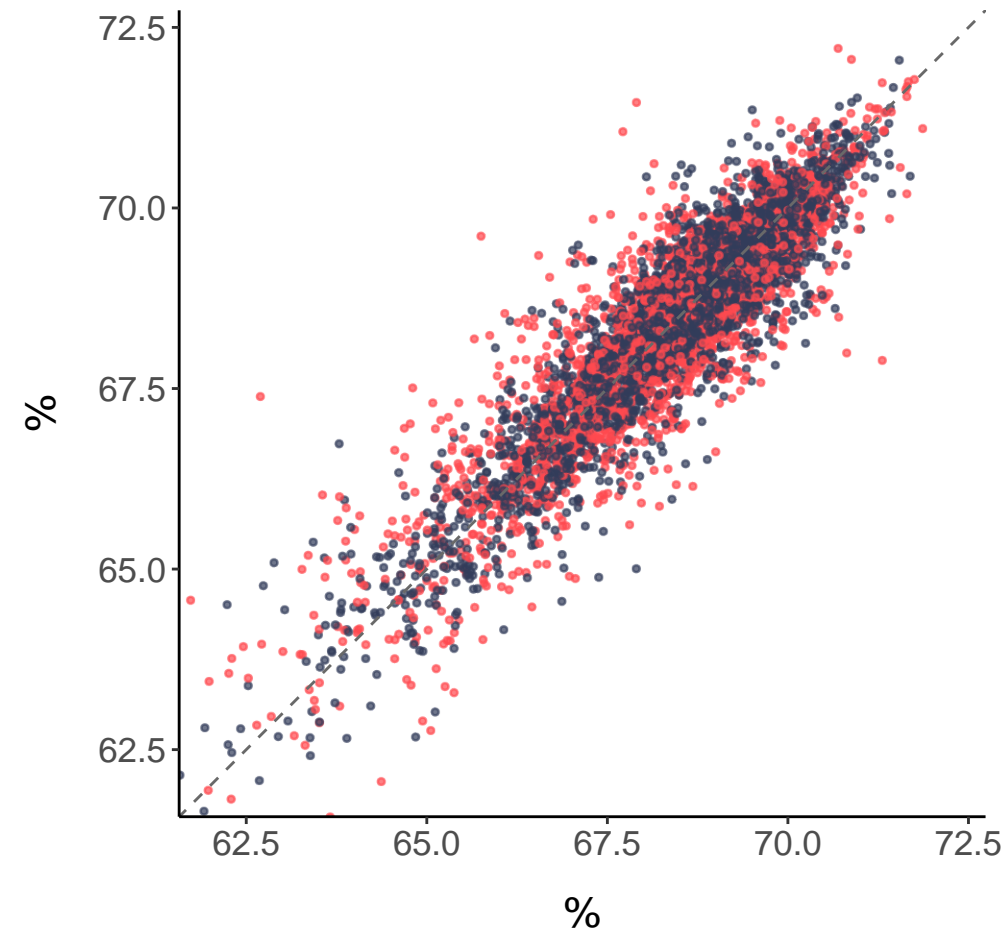


M_LDL_C_pct

CV: 0.46%, R²: 0.83

Different spectrometers

● FALSE ● TRUE

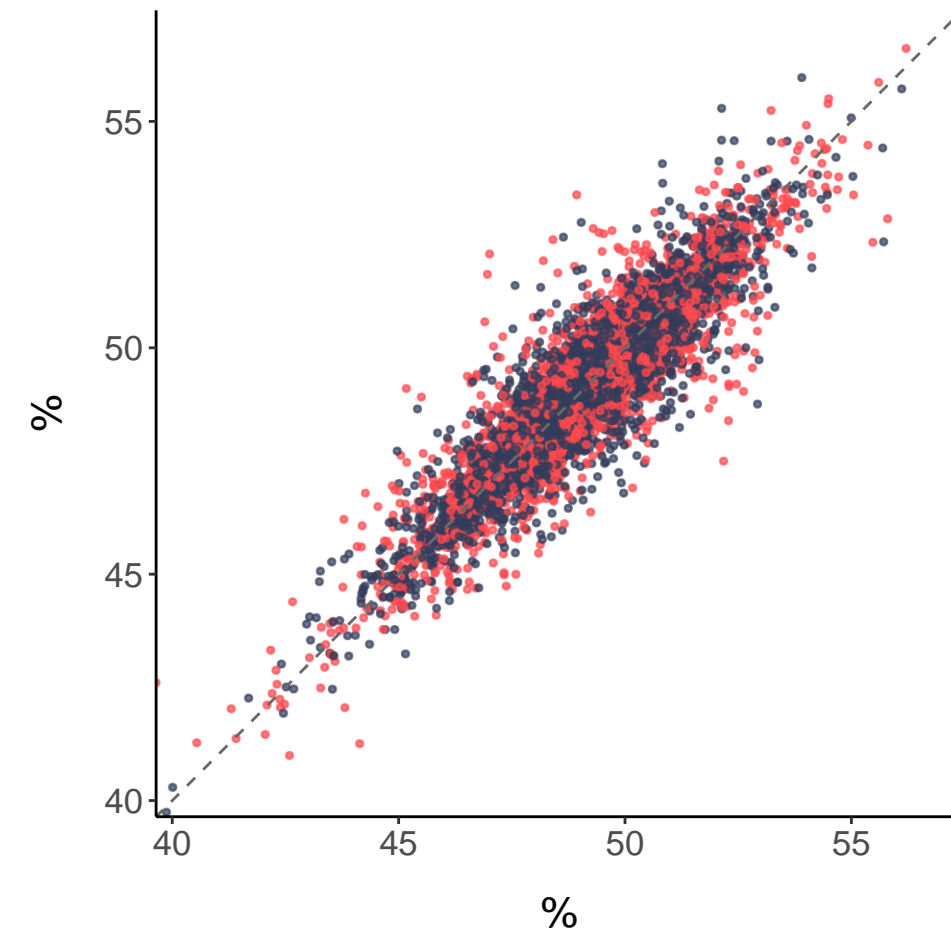


M_LDL_CE_pct

CV: 0.83%, R²: 0.83

Different spectrometers

● FALSE ● TRUE

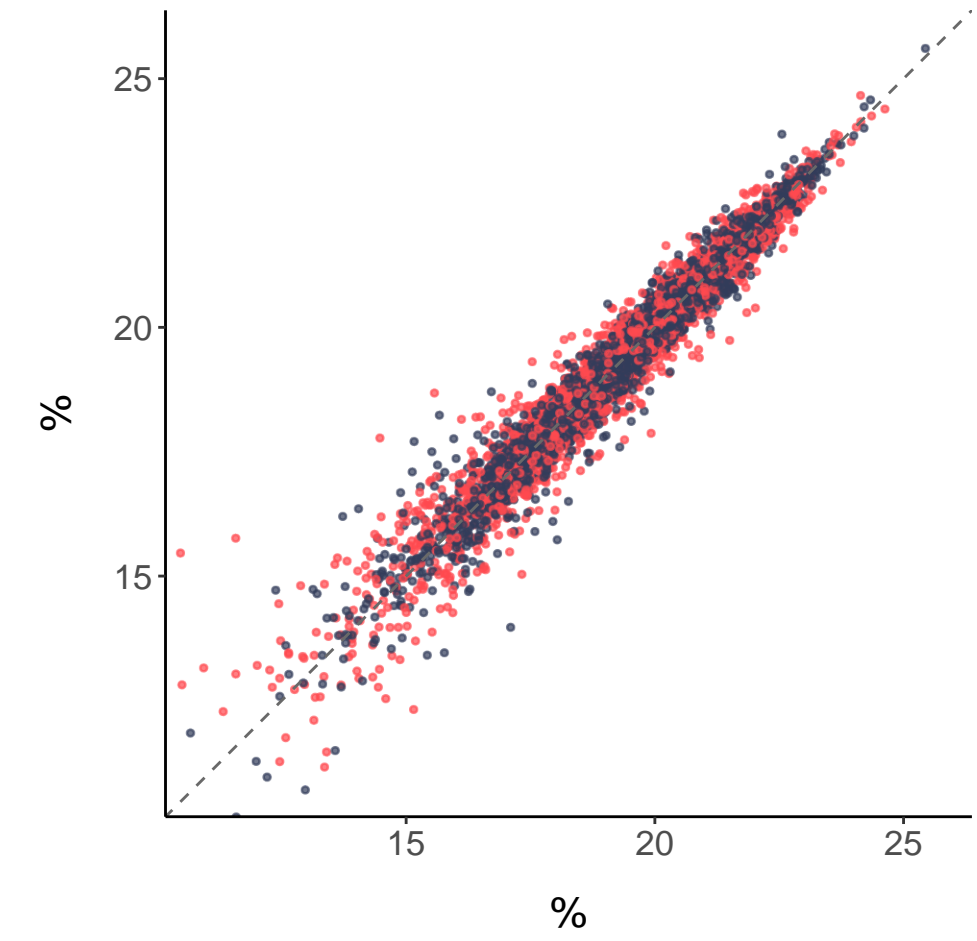


M_LDL_FC_pct

CV: 1.11%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

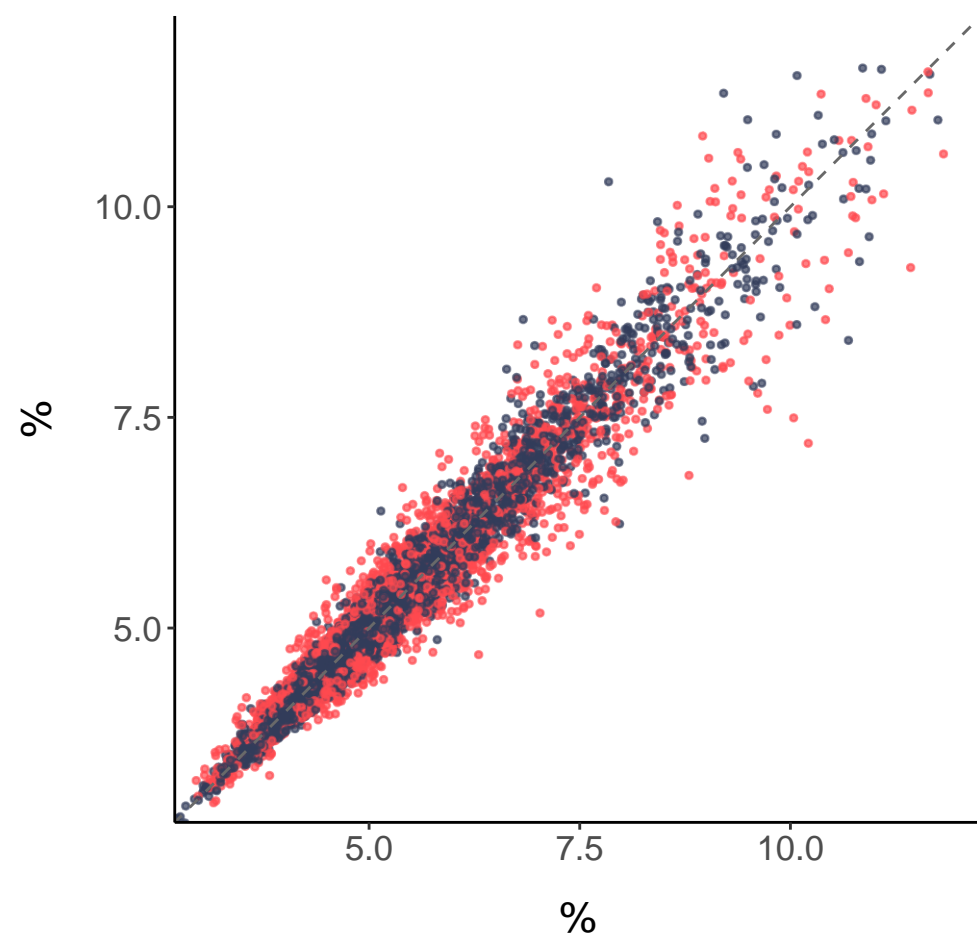


M_LDL_TG_pct

CV: 2.69%, R²: 0.95

Different spectrometers

● FALSE ● TRUE



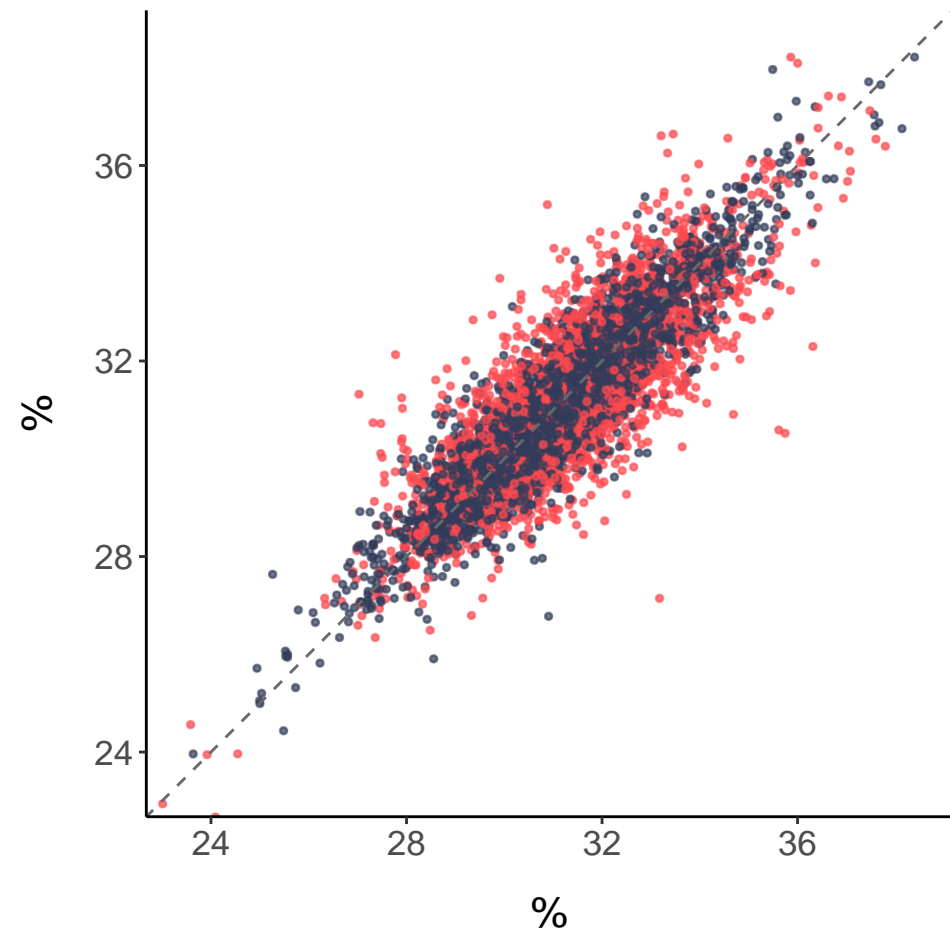
Small LDL ratios

S_LDL_PL_pct

CV: 1.39%, R²: 0.77

Different spectrometers

● FALSE ● TRUE

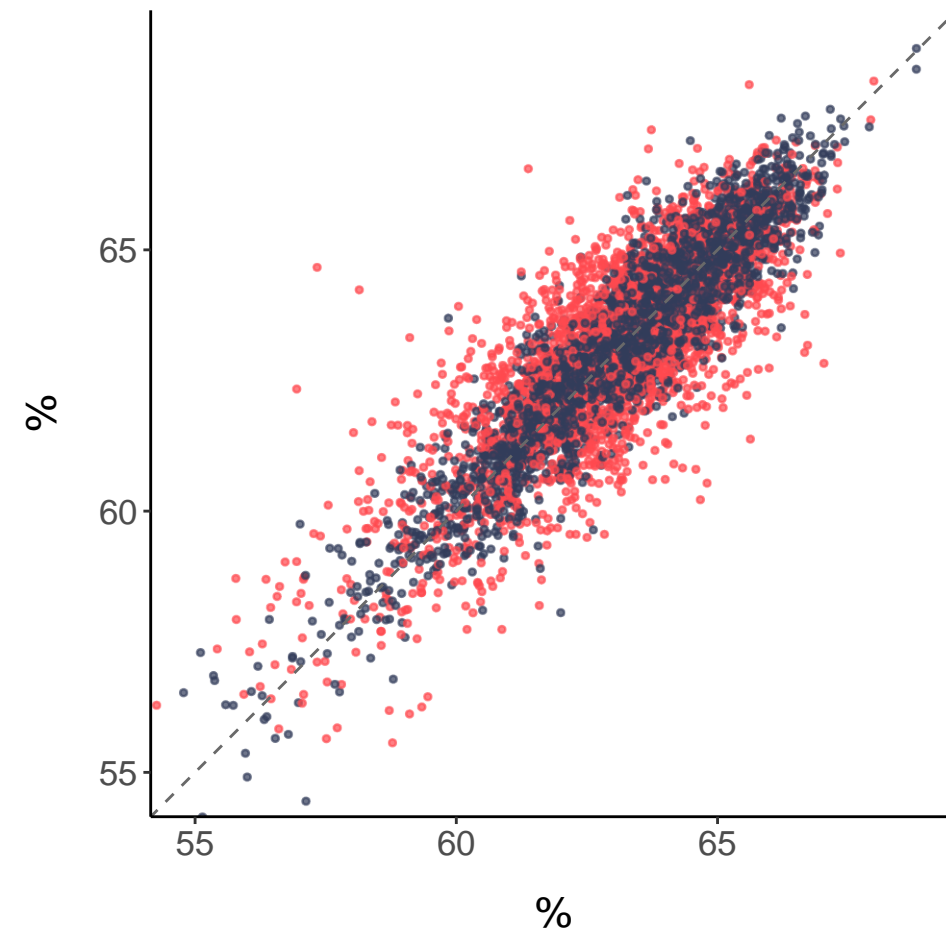


S_LDL_C_pct

CV: 0.76%, R²: 0.76

Different spectrometers

● FALSE ● TRUE

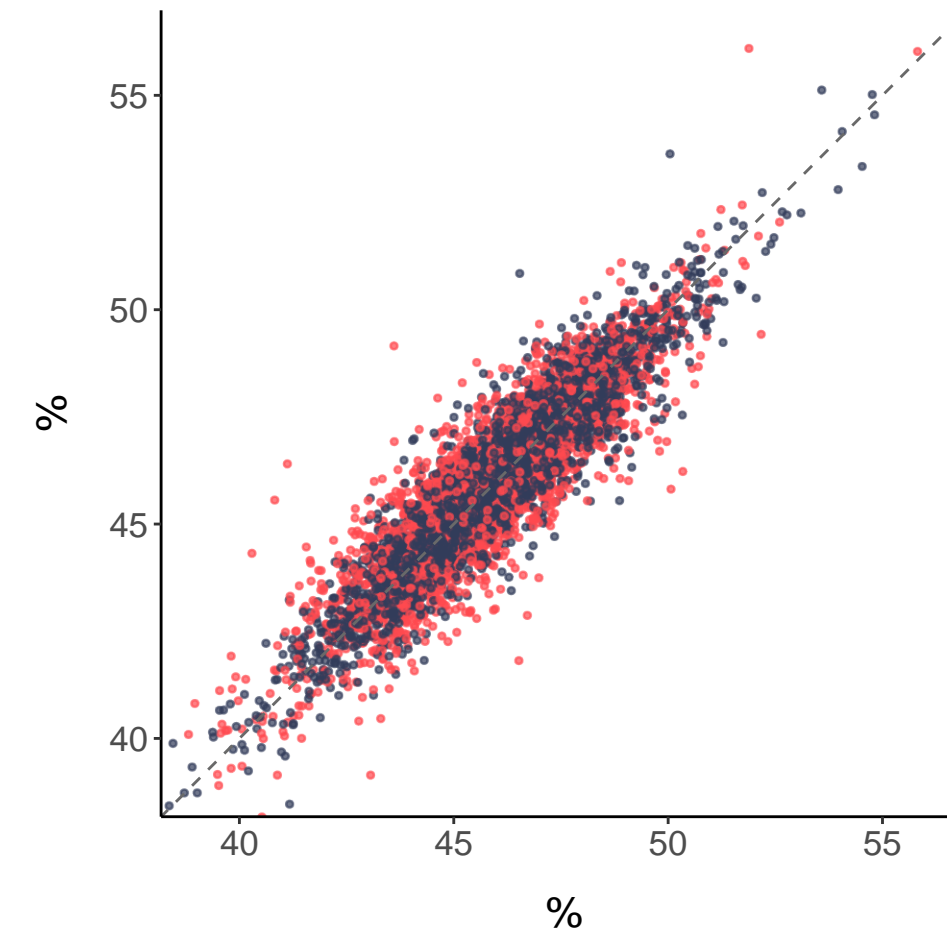


S_LDL_CE_pct

CV: 0.98%, R²: 0.83

Different spectrometers

● FALSE ● TRUE

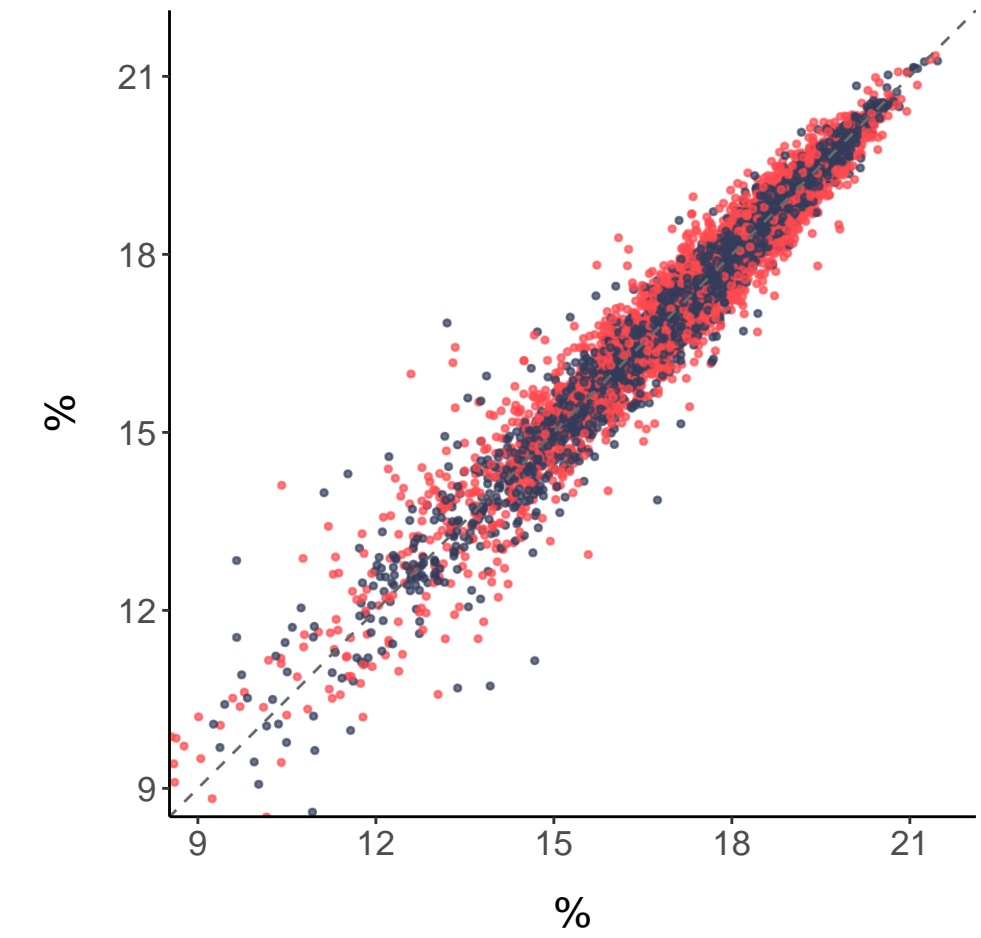


S_LDL_FC_pct

CV: 1.33%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

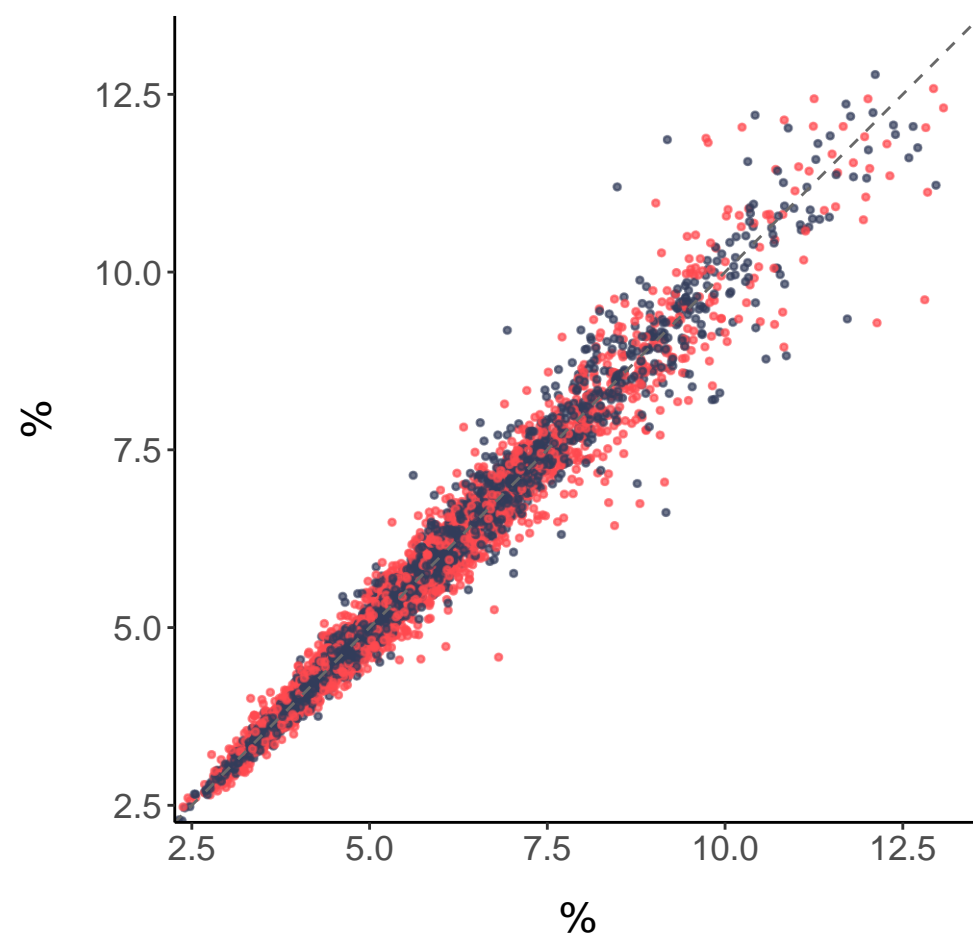


S_LDL_TG_pct

CV: 2.16%, R²: 0.97

Different spectrometers

● FALSE ● TRUE



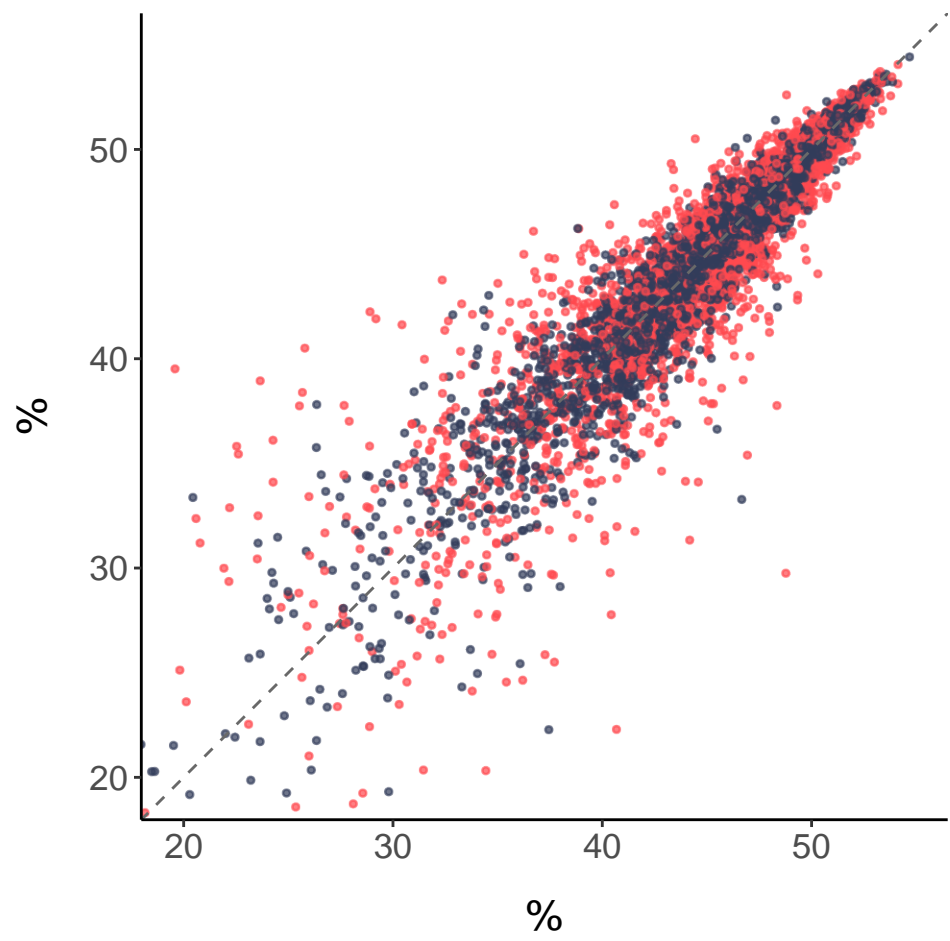
Very large HDL ratios

XL_HDL_PL_pct

CV: 2.31%, R²: 0.86

Different spectrometers

● FALSE ● TRUE

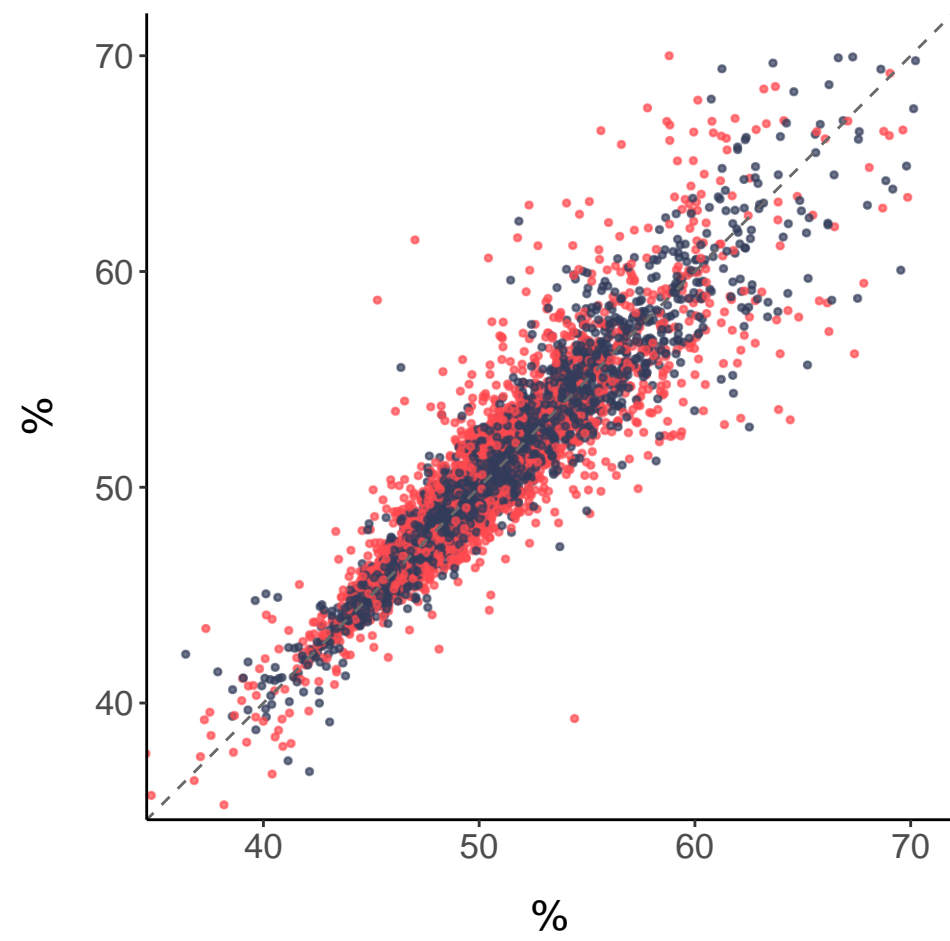


XL_HDL_C_pct

CV: 1.43%, R²: 0.86

Different spectrometers

● FALSE ● TRUE

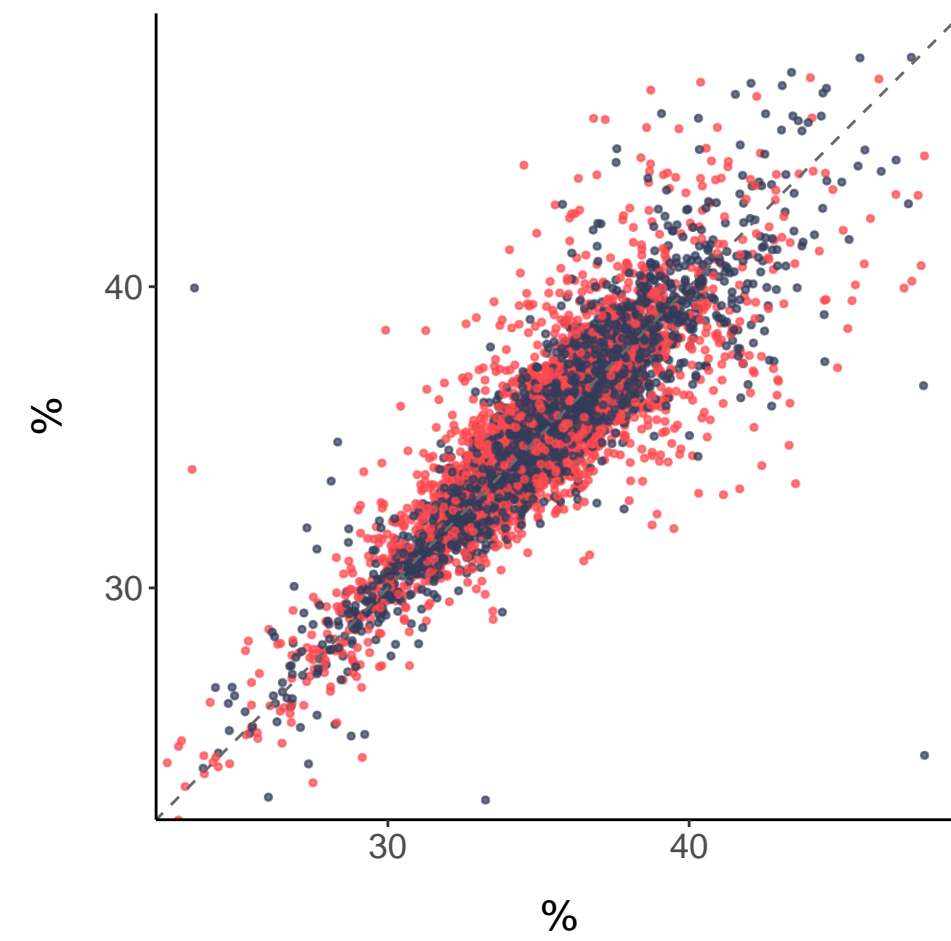


XL_HDL_CE_pct

CV: 1.97%, R²: 0.76

Different spectrometers

● FALSE ● TRUE

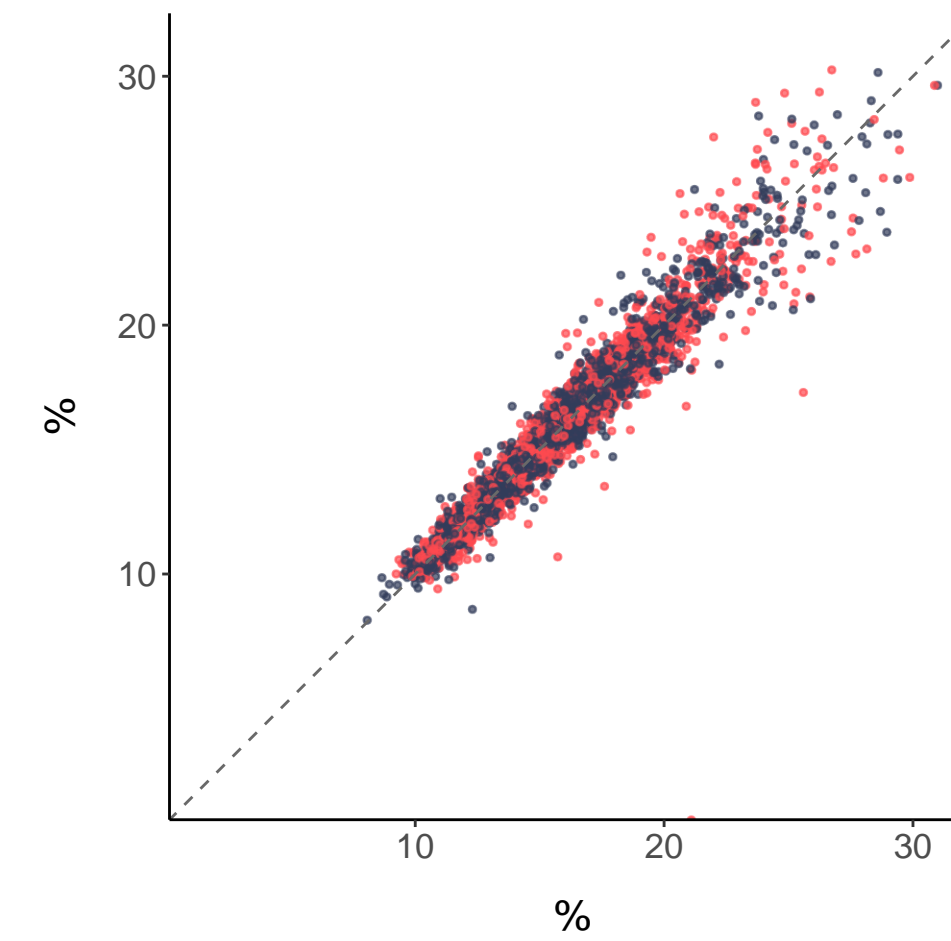


XL_HDL_FC_pct

CV: 1.97%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

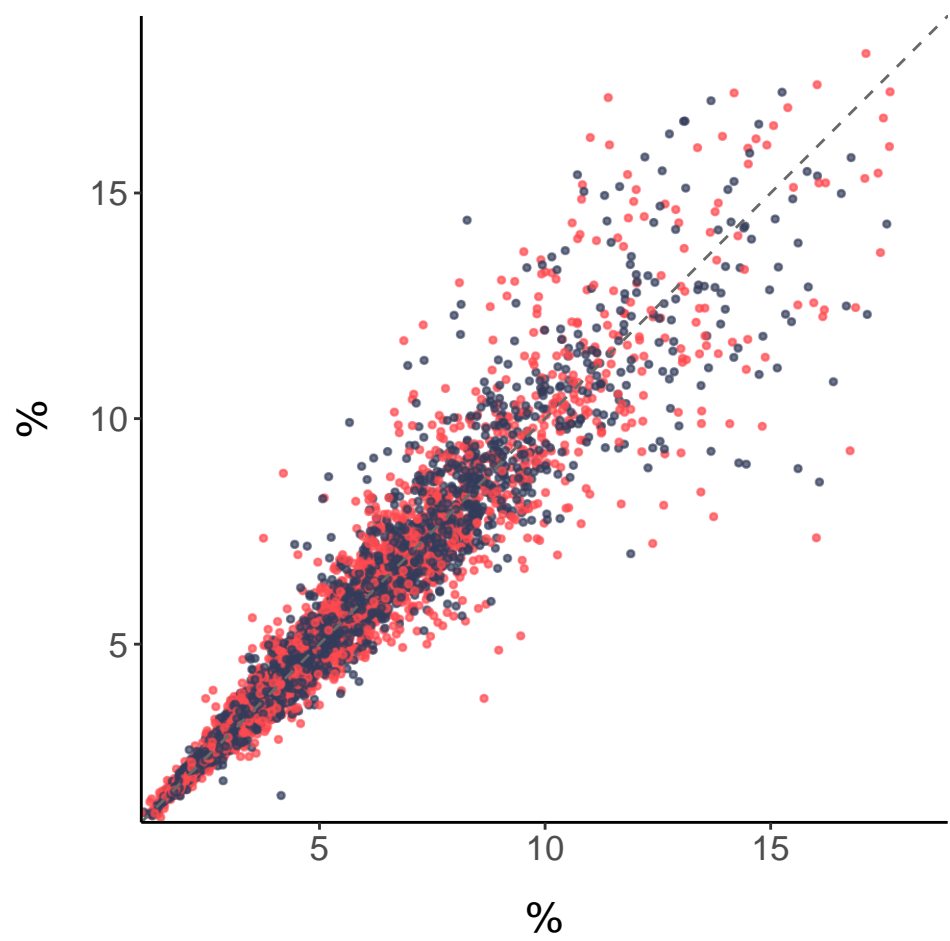


XL_HDL_TG_pct

CV: 4.99%, R²: 0.92

Different spectrometers

● FALSE ● TRUE



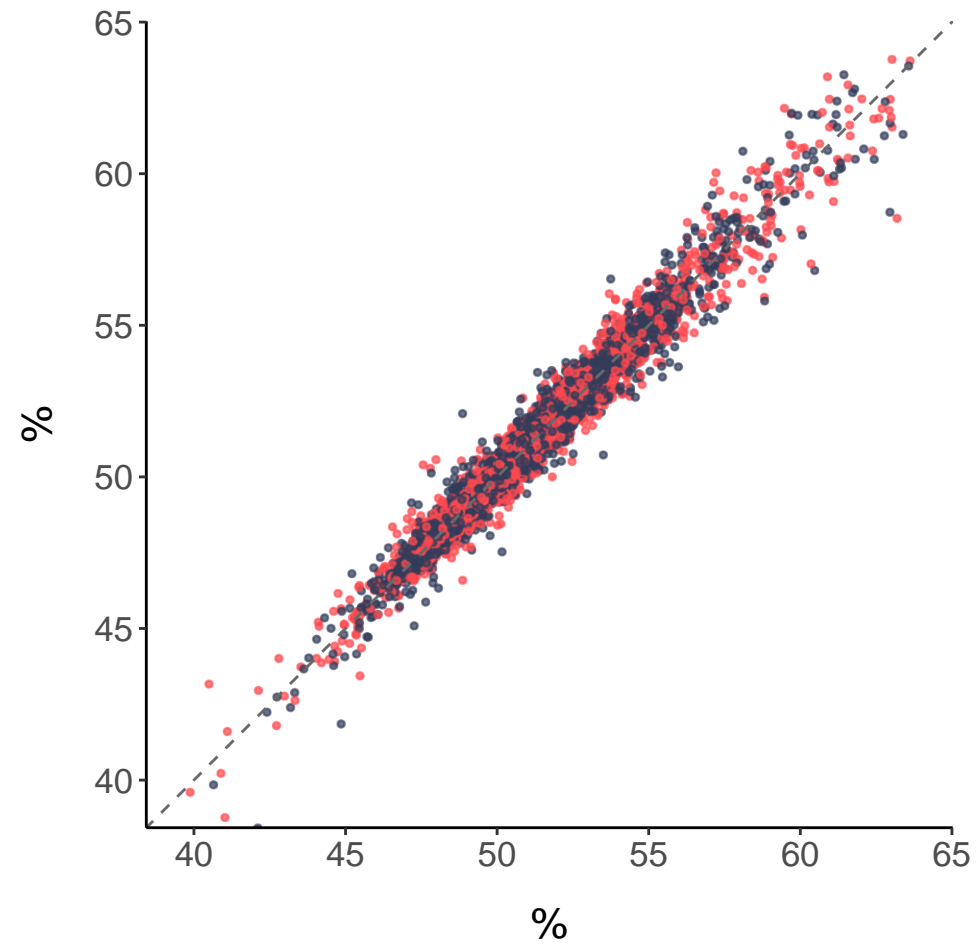
Large HDL ratios

L_HDL_PL_pct

CV: 0.5%, R²: 0.97

Different spectrometers

● FALSE ● TRUE

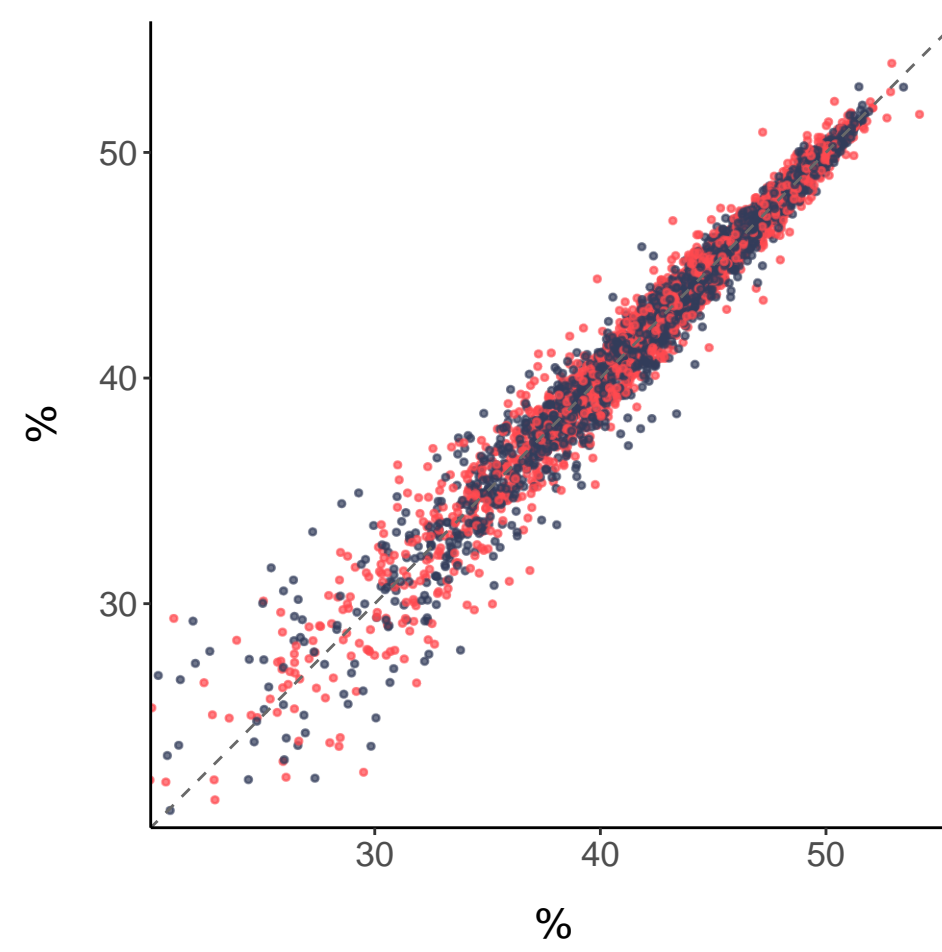


L_HDL_C_pct

CV: 0.99%, R²: 0.97

Different spectrometers

● FALSE ● TRUE

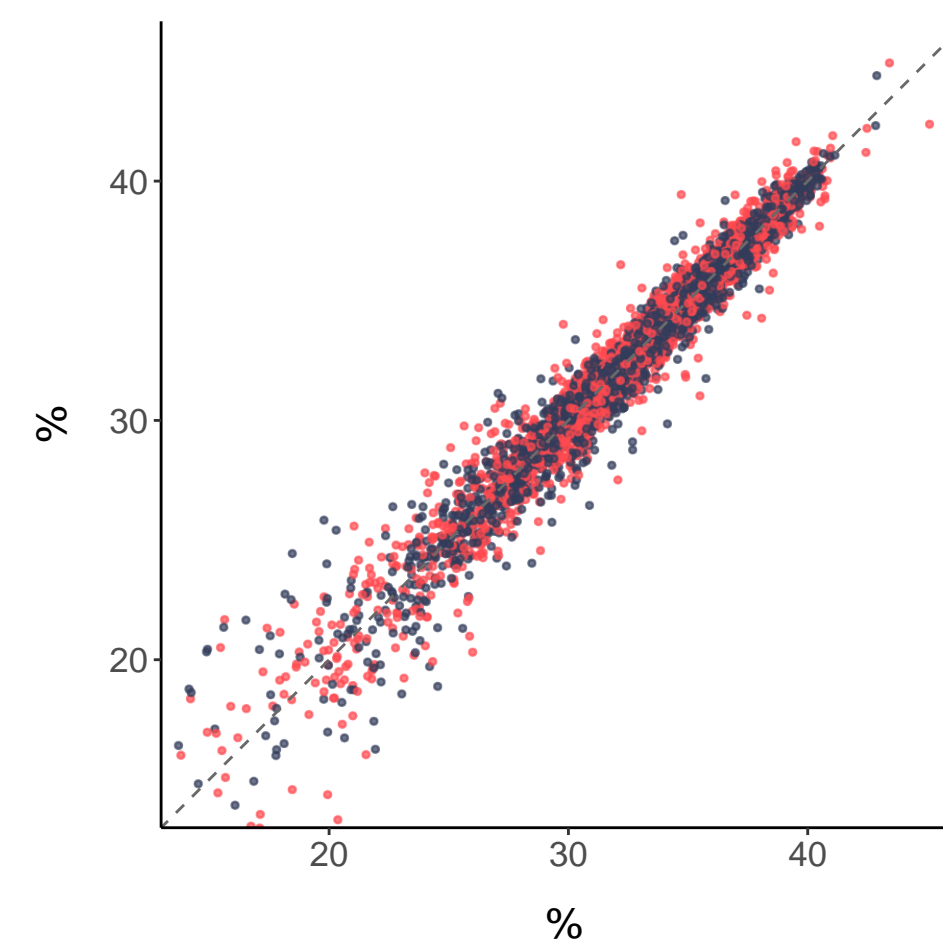


L_HDL_CE_pct

CV: 1.28%, R²: 0.96

Different spectrometers

● FALSE ● TRUE

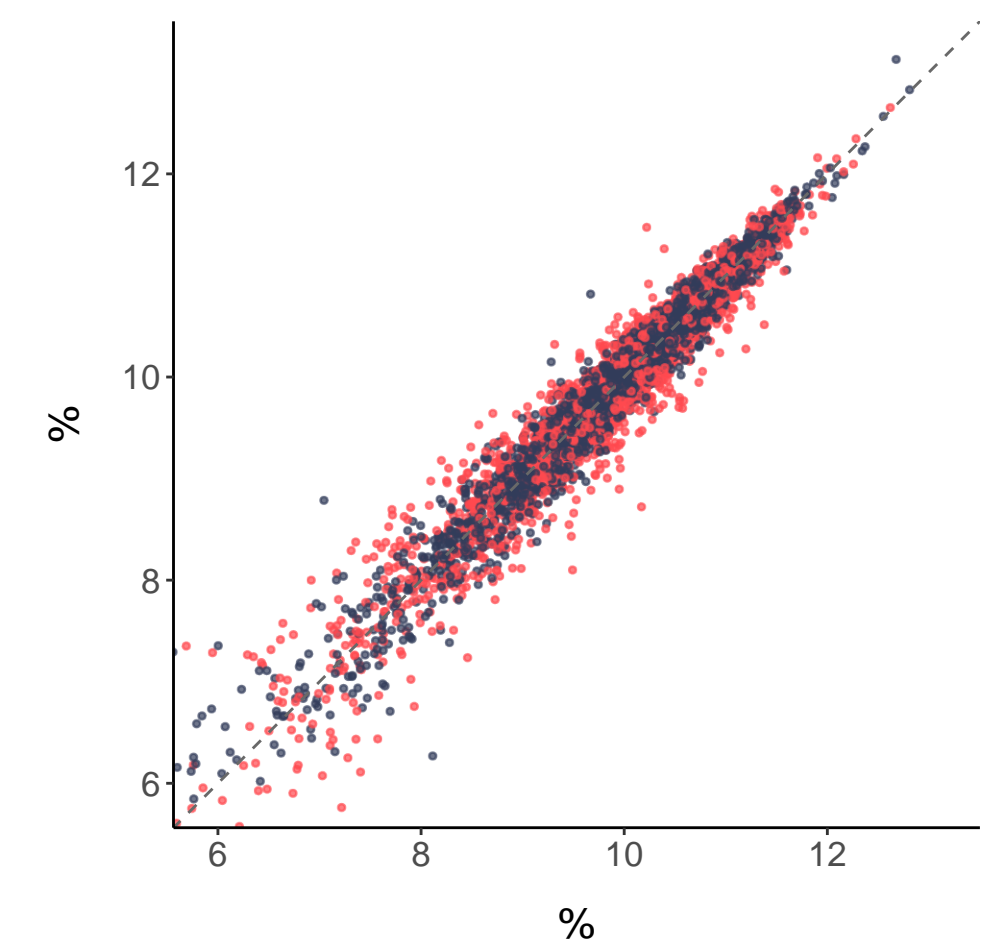


L_HDL_FC_pct

CV: 1.16%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

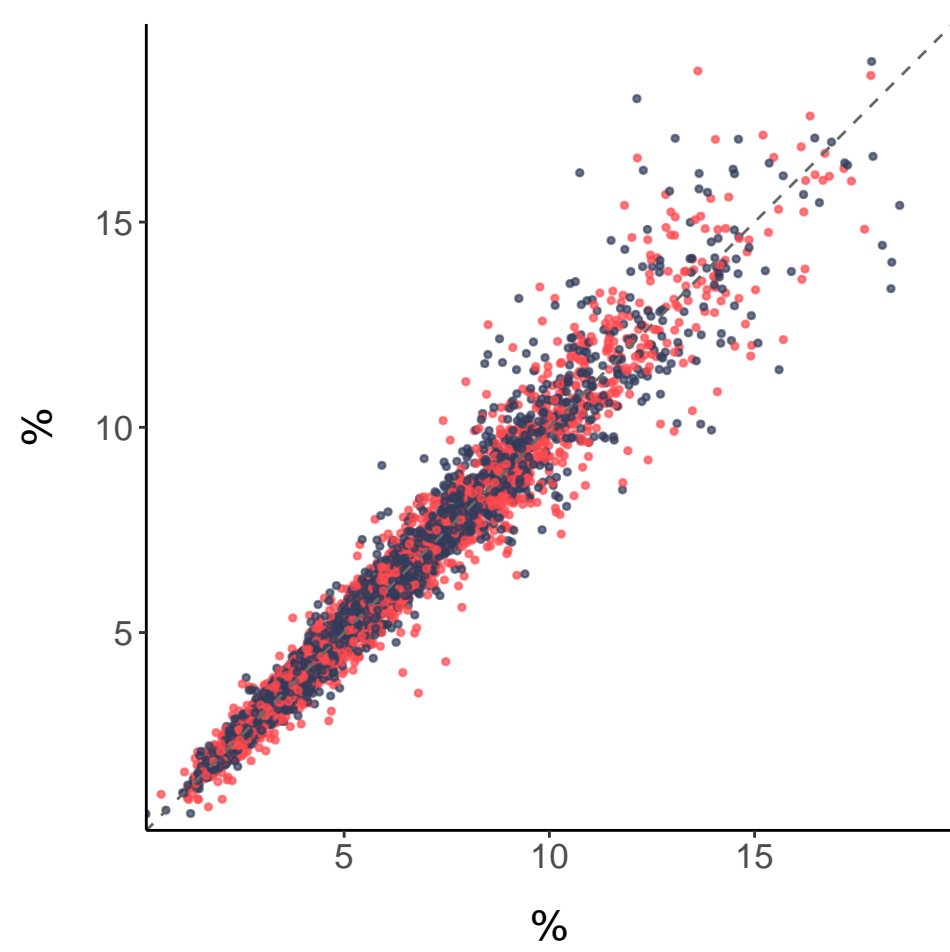


L_HDL_TG_pct

CV: 4.14%, R²: 0.96

Different spectrometers

● FALSE ● TRUE



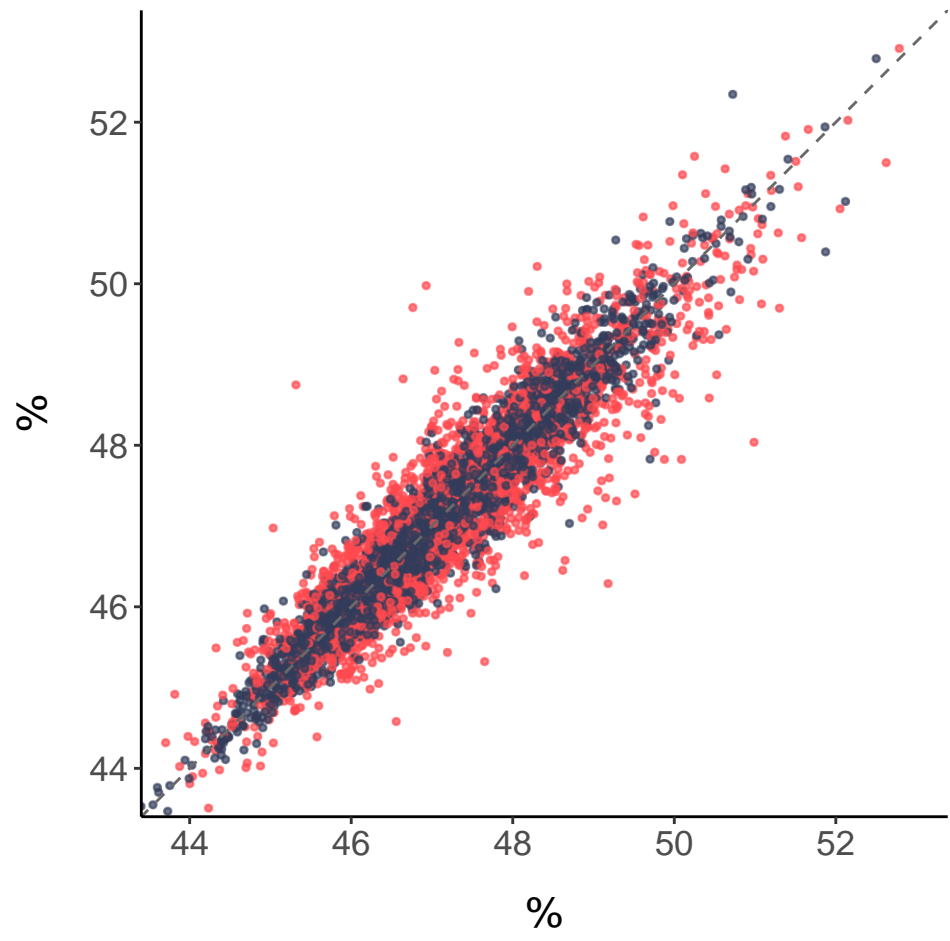
Medium HDL ratios

M_HDL_PL_pct

CV: 0.45%, R²: 0.89

Different spectrometers

● FALSE ● TRUE

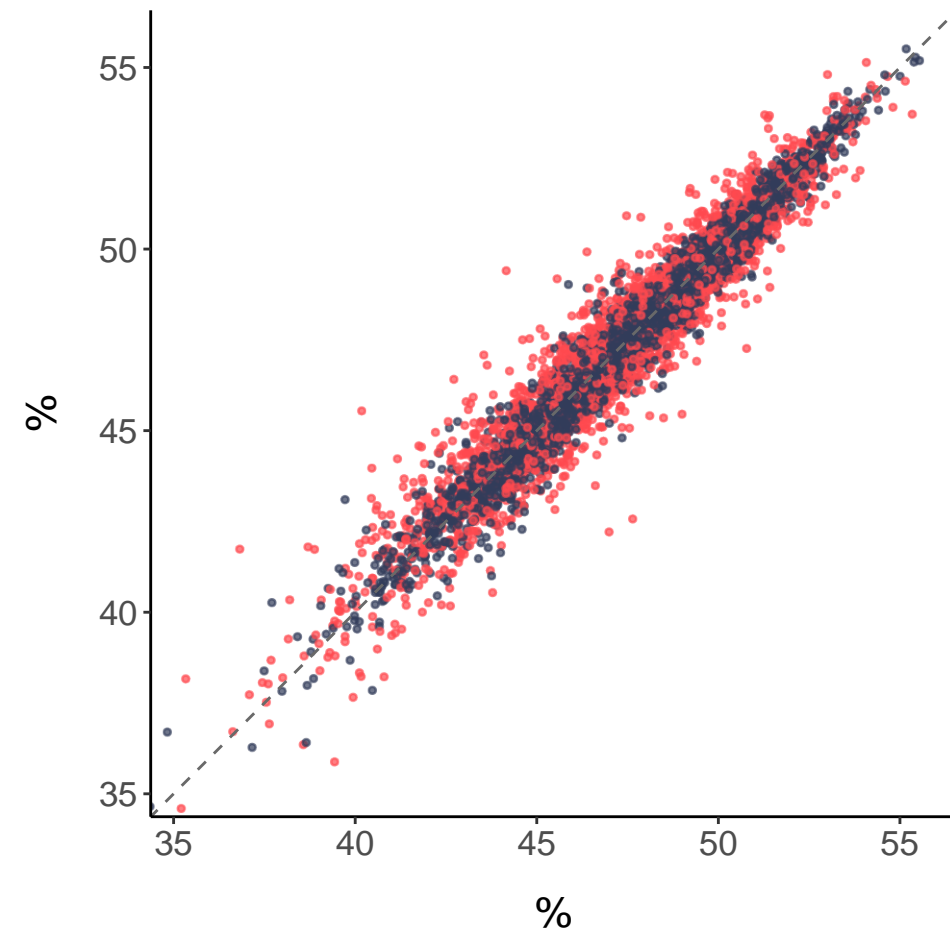


M_HDL_C_pct

CV: 0.76%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

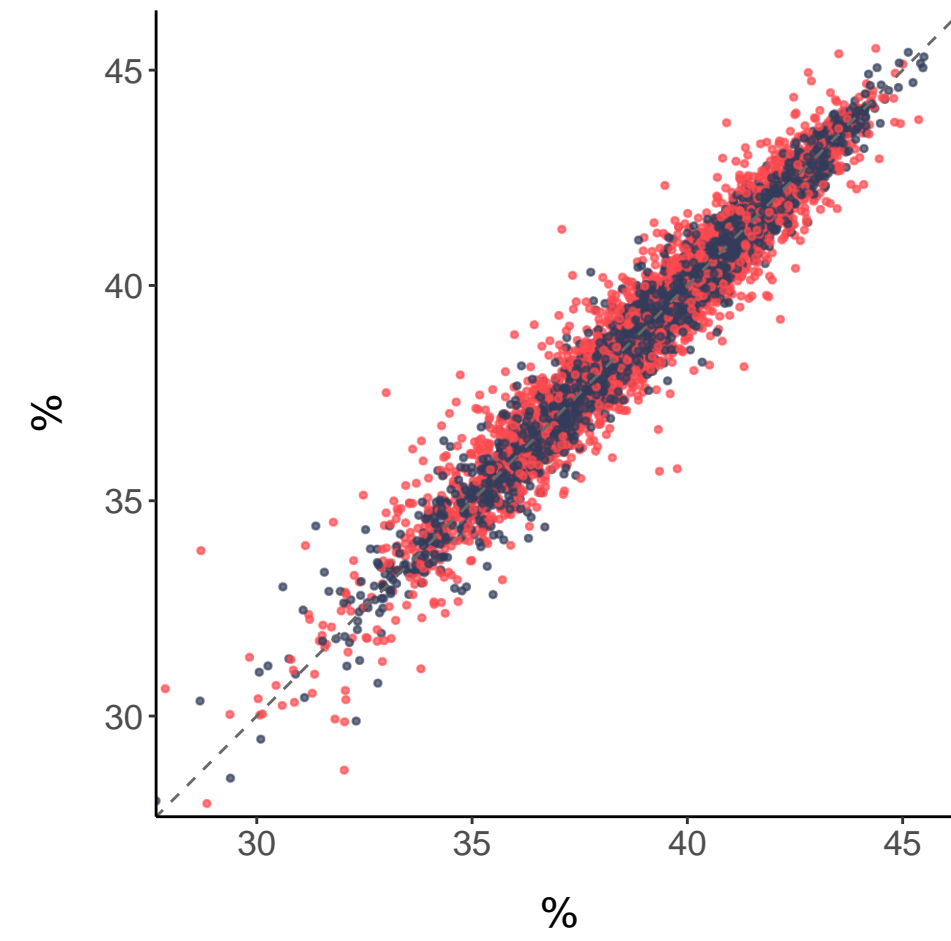


M_HDL_CE_pct

CV: 0.79%, R²: 0.95

Different spectrometers

● FALSE ● TRUE

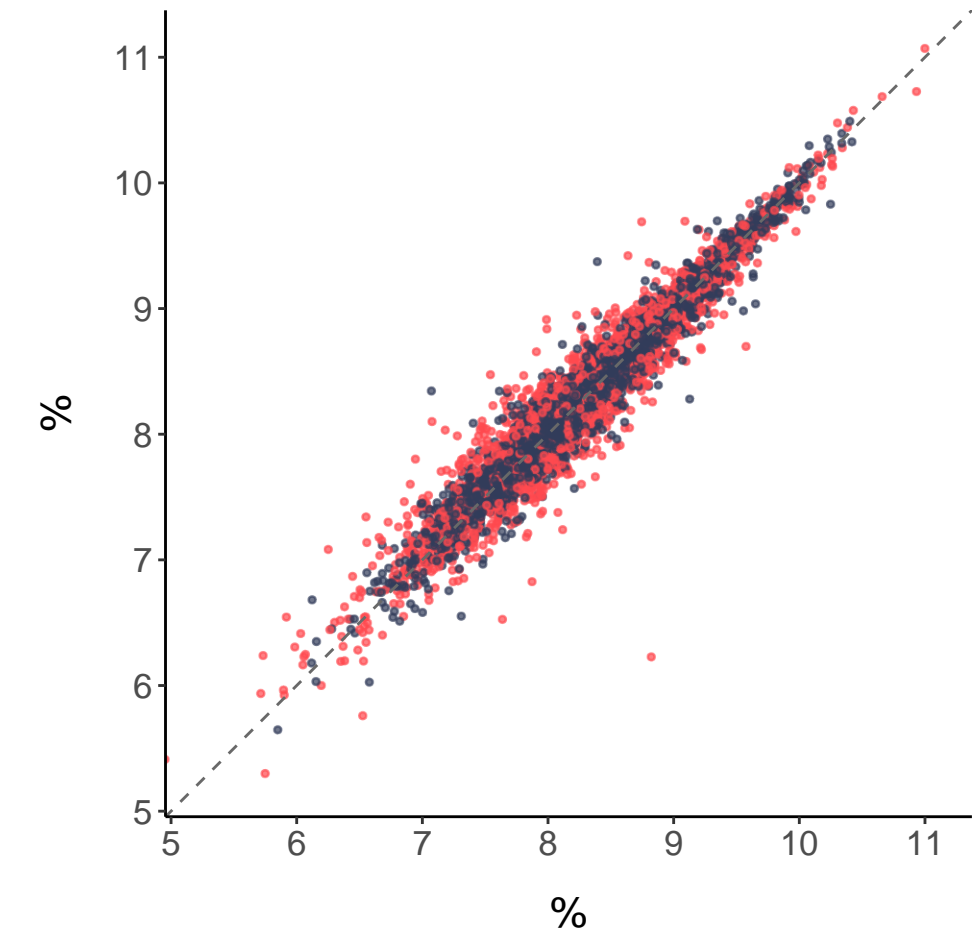


M_HDL_FC_pct

CV: 1.03%, R²: 0.94

Different spectrometers

● FALSE ● TRUE

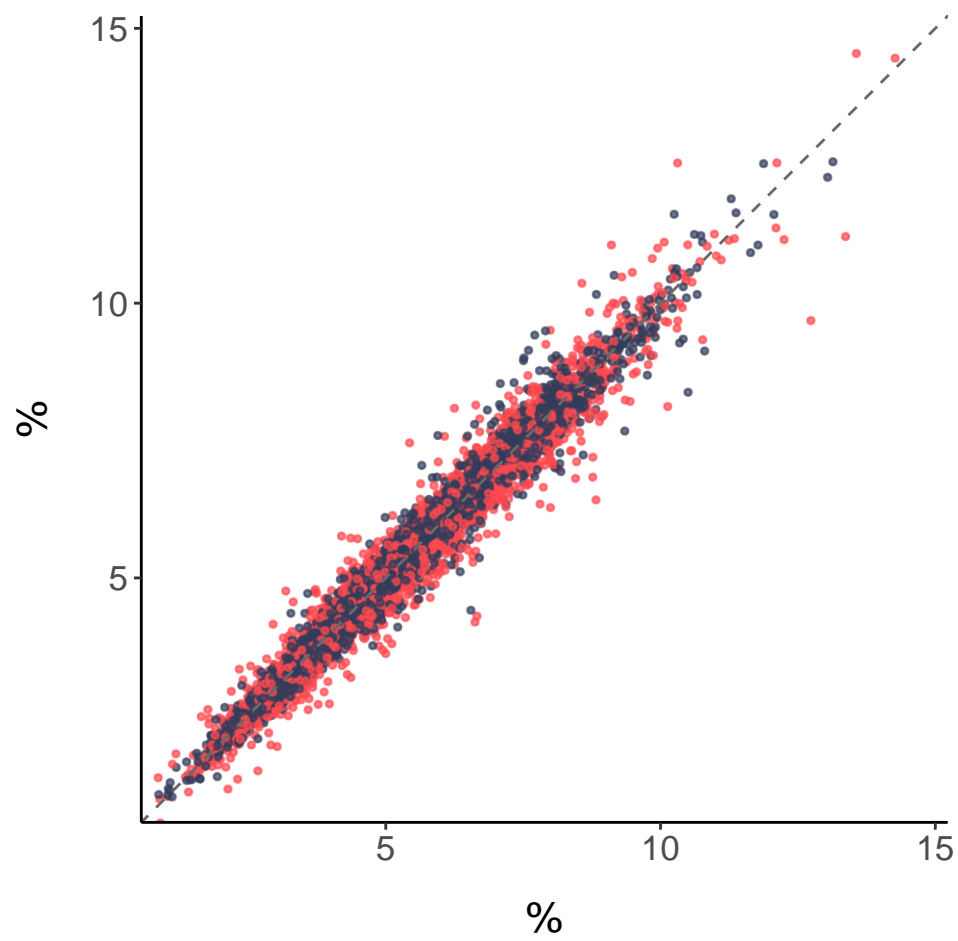


M_HDL_TG_pct

CV: 3.38%, R²: 0.96

Different spectrometers

● FALSE ● TRUE



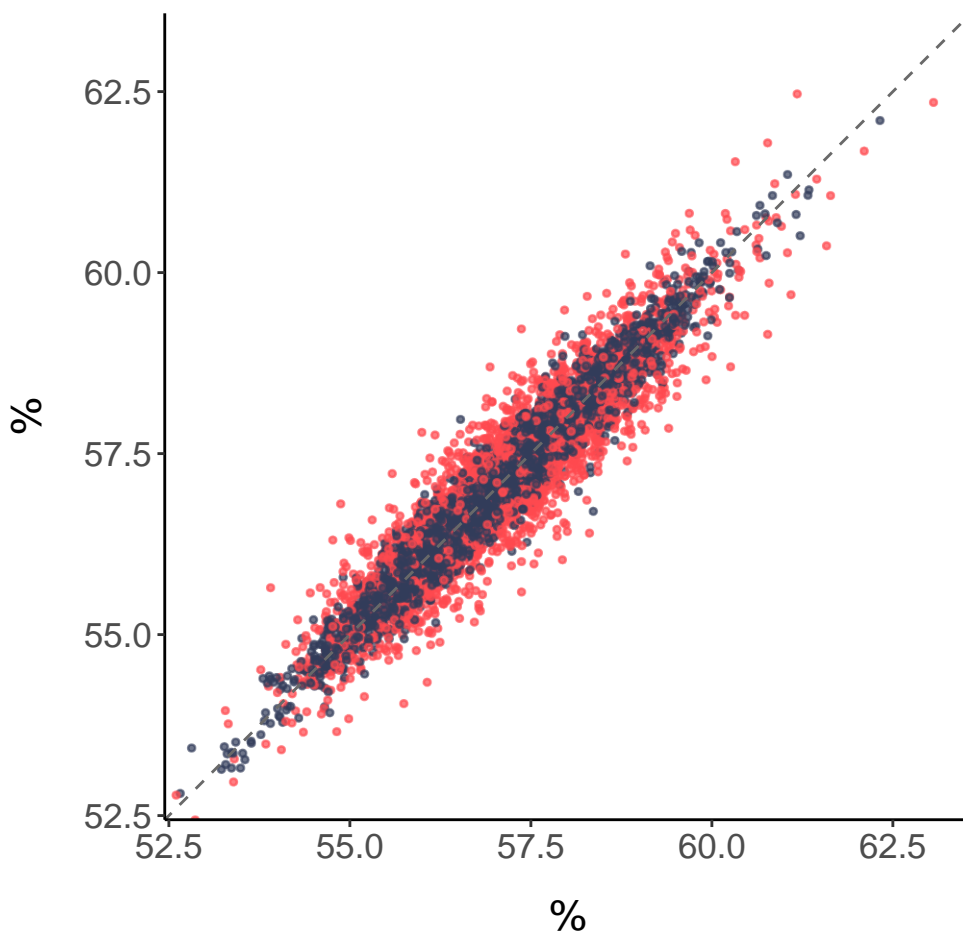
Small HDL ratios

S_HDL_PL_pct

CV: 0.37%, R²: 0.9

Different spectrometers

● FALSE ● TRUE

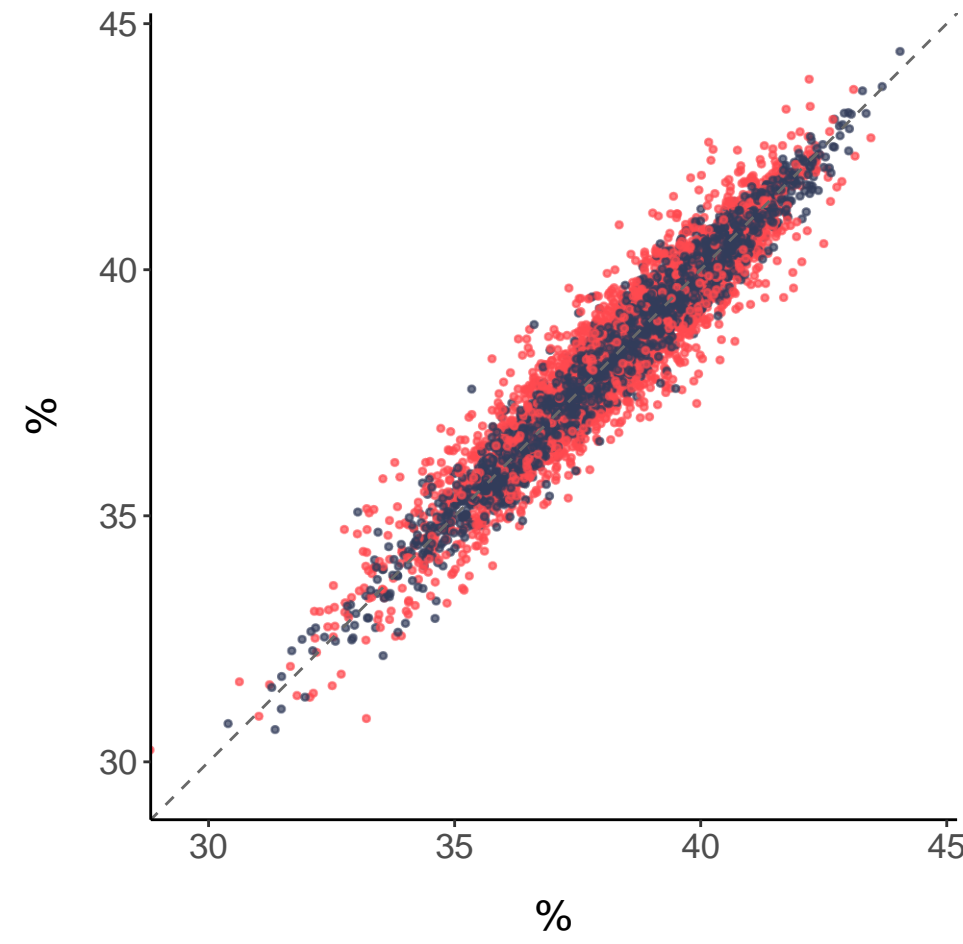


S_HDL_C_pct

CV: 0.76%, R²: 0.92

Different spectrometers

● FALSE ● TRUE

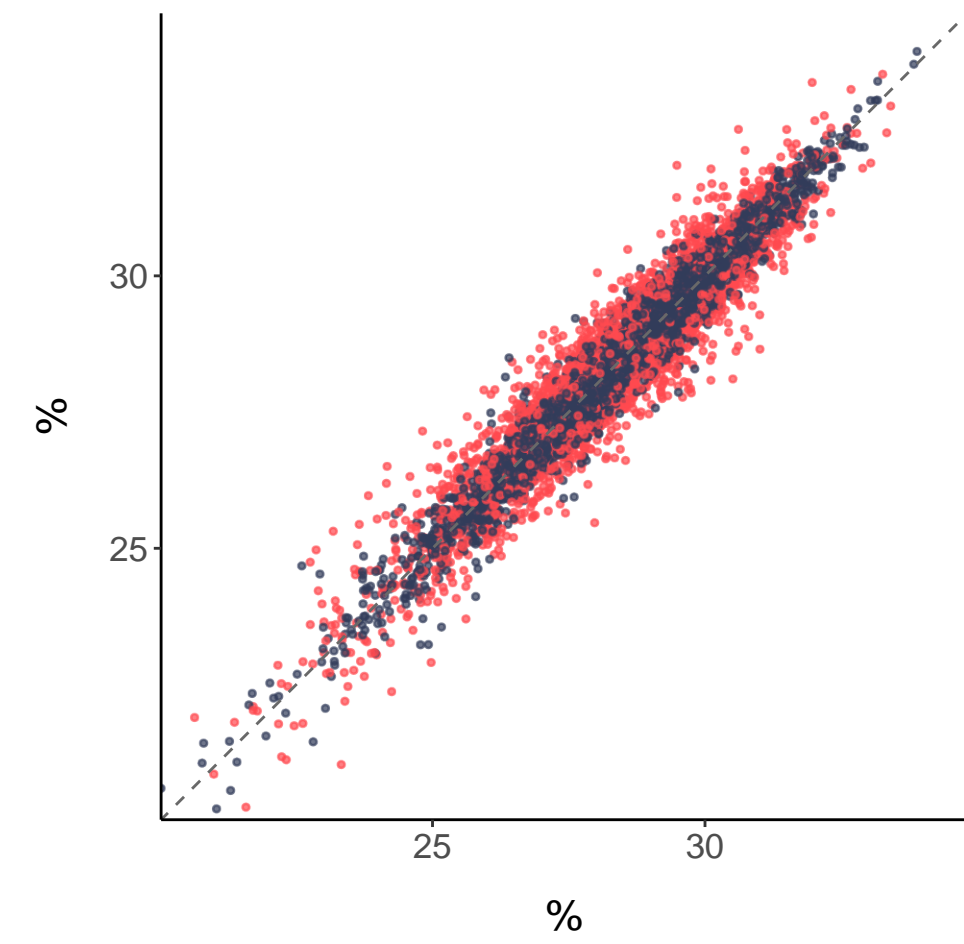


S_HDL_CE_pct

CV: 0.95%, R²: 0.93

Different spectrometers

● FALSE ● TRUE

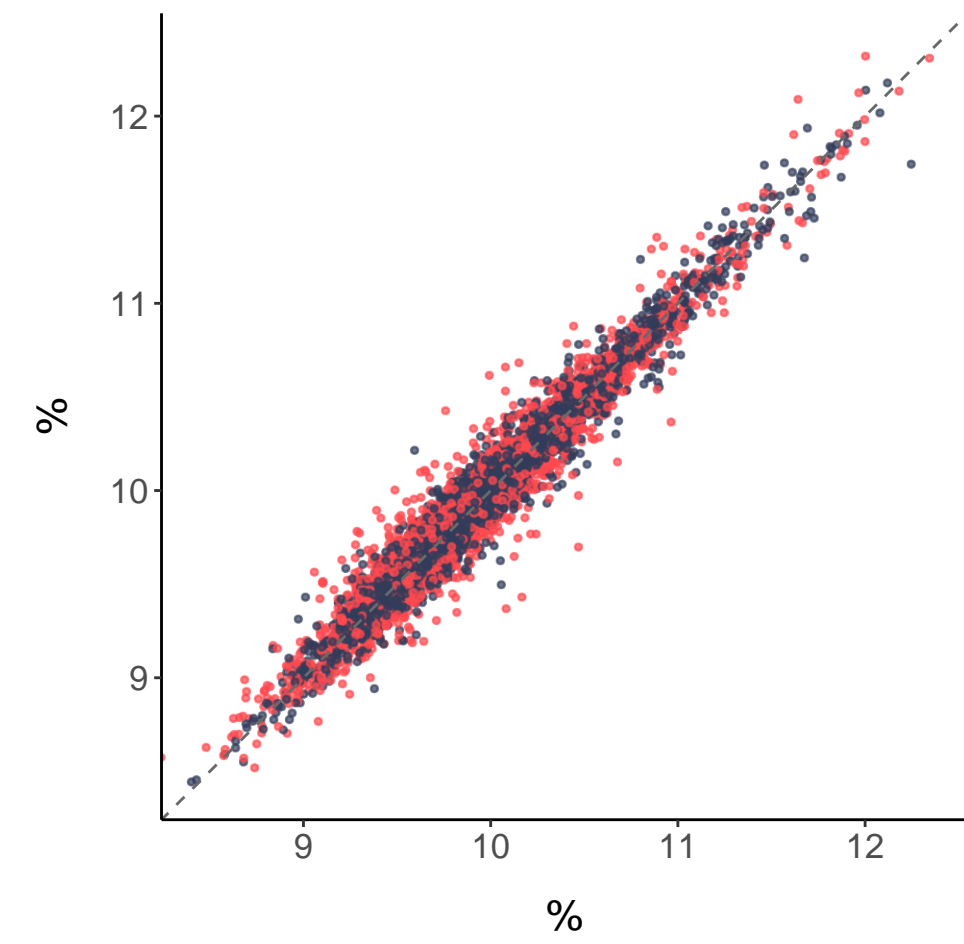


S_HDL_FC_pct

CV: 0.57%, R²: 0.95

Different spectrometers

● FALSE ● TRUE



S_HDL_TG_pct

CV: 2.29%, R²: 0.97

Different spectrometers

● FALSE ● TRUE

