Validation: gefr\_DxI2\_ng/mL vs Roche\_ng/mL

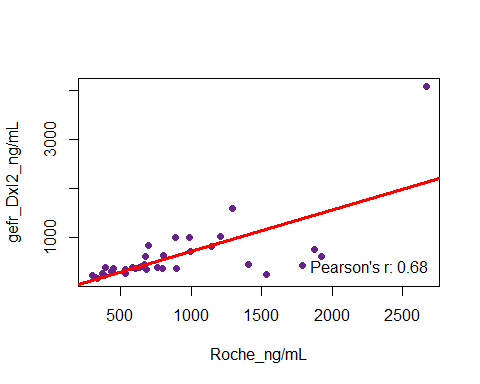
Mittwoch 08. März 2023

### Messdaten

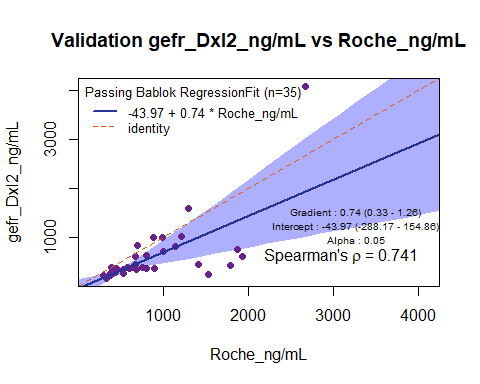
S: sample Number;—x: Roche\_ng/mL ;—y: gefr\_DxI2\_ng/mL

|  | X | Y |
| --- | --- | --- |
| S1 | 999 | 706.03 |
| S2 | 533 | 265.07 |
| S3 | 635 | 379.68 |
| S4 | 685 | 346.54 |
| S5 | 799 | 373.99 |
| S6 | 2669 | 4092.78 |
| S7 | 606 | 356.28 |
| S8 | 321 | 190.91 |
| S9 | 583 | 384.91 |
| S10 | 444 | 286.31 |
| S11 | 895 | 360.37 |
| S12 | 760 | 395.43 |
| S13 | 452 | 373.23 |
| S14 | 298 | 231.72 |
| S15 | 670 | 454.81 |
| S16 | 433 | 307.85 |
| S17 | 333 | 163.28 |
| S18 | 808 | 635.41 |
| S19 | 648 | 403.68 |
| S20 | 988 | 1009.91 |
| S21 | 374 | 268.88 |
| S22 | 888 | 1006.38 |
| S23 | 1295 | 1588.88 |
| S24 | 675 | 612.50 |
| S25 | 699 | 842.48 |
| S26 | 1143 | 806.27 |
| S27 | 385 | 215.80 |
| S28 | 391 | 382.68 |
| S29 | 1211 | 1029.75 |
| S30 | 534 | 354.69 |
| S31 | 1537 | 250.62 |
| S32 | 1928 | 612.71 |
| S33 | 1874 | 752.42 |
| S34 | 1411 | 438.28 |
| S35 | 1794 | 431.32 |

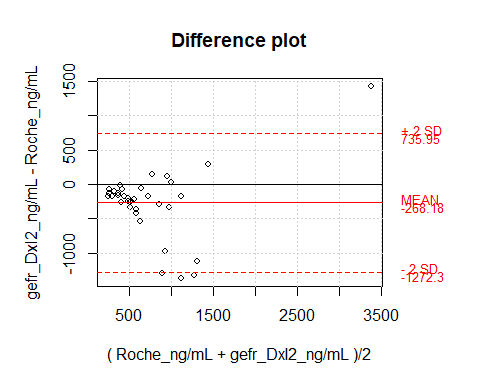
### Korrelation

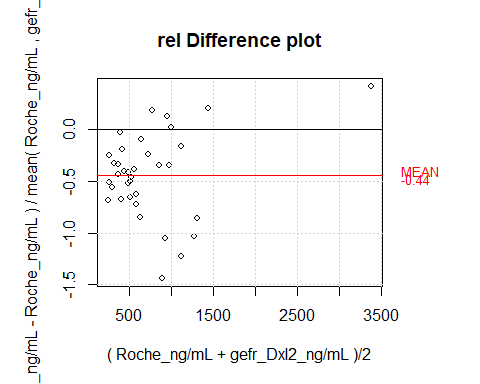


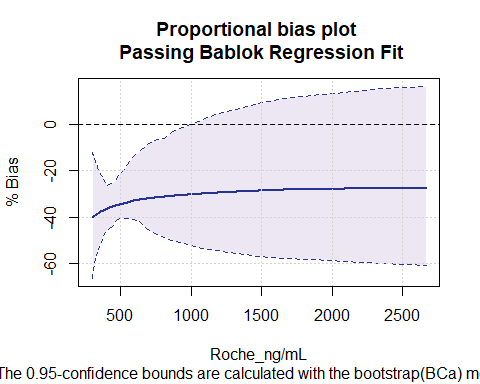
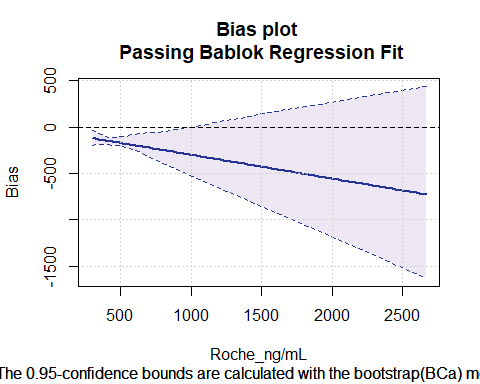
### Passing Bablok



### Bland-Altman







### Schlussfolgerung und Freigabe

Bitte gib hier Deine Beurteilung der vorliegenden Verifikation/Validation ein:  
|  
|  
|  
|  
|  
—

#### Data is processed using R language1 and mcr package2. Rmarkdown3 is used for converting results into Word, PDF and HTML files. This project was inspired by Daniel Holmes (UBC, CA)4 and Burak Bahar (Washington, USA)5.

#### References and packages:

1. R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. Version: 4.2.2 URL: <https://www.R-project.org>
2. mcr: Method Comparison Regression. Version: 1.3.2 URL: <http://CRAN.R-project.org/package=mcr>
3. rmarkdown: Dynamic Documents for R. Version: 2.20 URL: <http://rmarkdown.rstudio.com>
4. The Lab-R-torian: URL: <https://labrtorian.com/>
5. An interactive website for analytical method comparison and bias estimation: URL: <https://bahar.shinyapps.io/method_compare/>