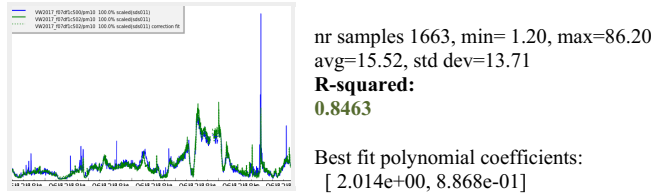# Summary of correlations of sensor kits and sensor modules

Sensorkits: VW2017_f07df1c500 VW2017_f07df1c502
Report generated on: Mon Jan 1 20:40:52 CET 2018
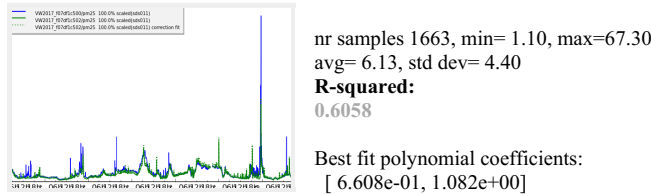
R-square and statistical summary

Measurement PM10 correlation key values

Correlation 1 - **PM10** - kit VW2017_f07df1c500 sensor type**SDS011** with kit VW2017_f07df1c502 sensor type**SDS011**:

nr samples 1663, min= 1.20, max=86.20
avg=15.52, std dev=13.71
R-squared:
0.8463
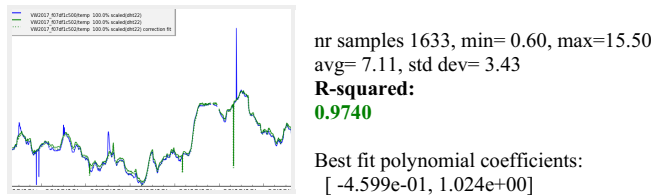
Best fit polynomial coefficients:
[2.014e+00, 8.868e-01]

Measurement PM2.5 correlation key values

Correlation 2 - **PM2.5** - kit VW2017_f07df1c500 sensor type**SDS011** with kit VW2017_f07df1c502 sensor type**SDS011**:

nr samples 1663, min= 1.10, max=67.30
avg= 6.13, std dev= 4.40
R-squared:
0.6058

Best fit polynomial coefficients:
[6.608e-01, 1.082e+00]

Measurement TEMP correlation key values

Correlation 3 - **TEMP** - kit VW2017_f07df1c500 sensor type**DHT22** with kit VW2017_f07df1c502 sensor type**DHT22**:

nr samples 1633, min= 0.60, max=15.50
avg= 7.11, std dev= 3.43
R-squared:
0.9740

Best fit polynomial coefficients:
[-4.599e-01, 1.024e+00]

Measurement RH correlation key values

Correlation 4 - **RH** - kit VW2017_f07df1c500 sensor type**DHT22** with kit VW2017_f07df1c502 sensor type**DHT22**:

nr samples 1627, min=53.00, max=85.00
avg=67.60, std dev= 7.24
R-squared:
0.8906

Best fit polynomial coefficients:
[2.942e+01, 7.821e-01]