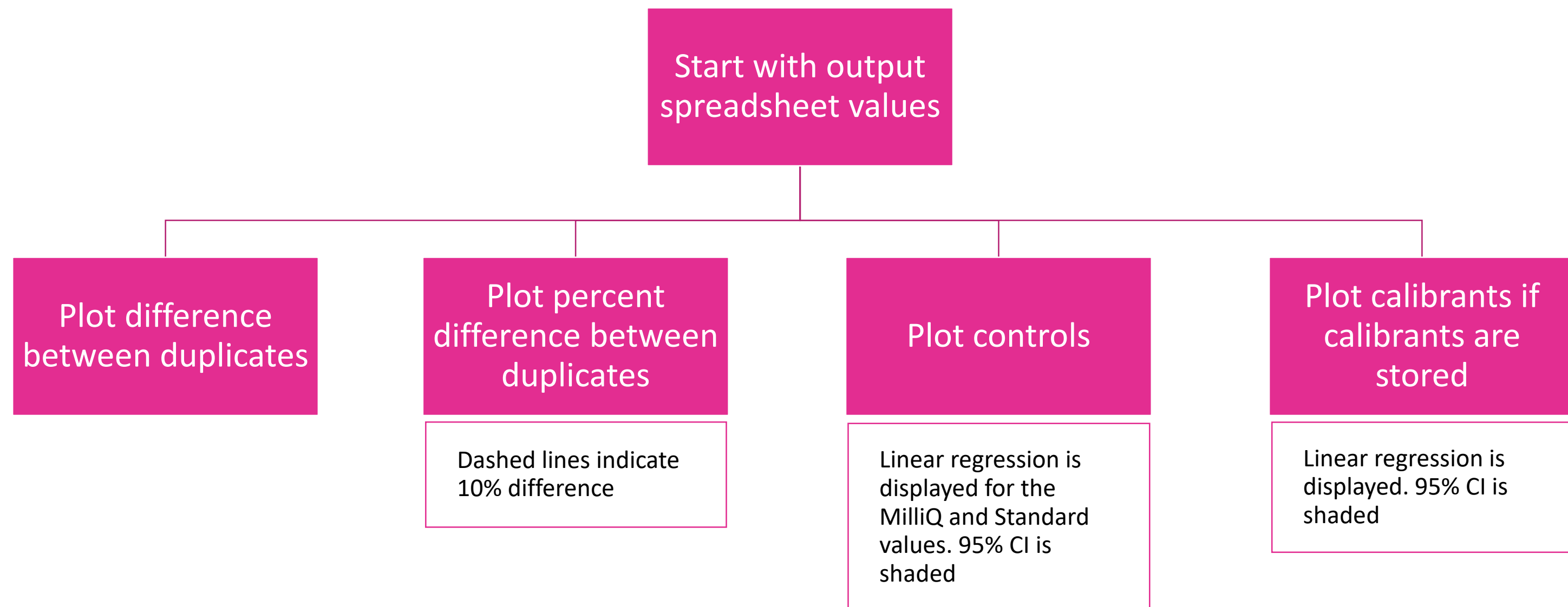


Creation of output spreadsheet



Creation of output plots



Conversion of SC flags

SC flag	Expanded flag
LL	Linearity Low
LH	Linearity High
EPL	End-Point Limit
INV	Inversion
><	Out of Calibration Curve
SS	Short on Sample
SR	Short on Reagent
H	High

Final Flags

Flags for individual runs (columns: Flags Dup x)

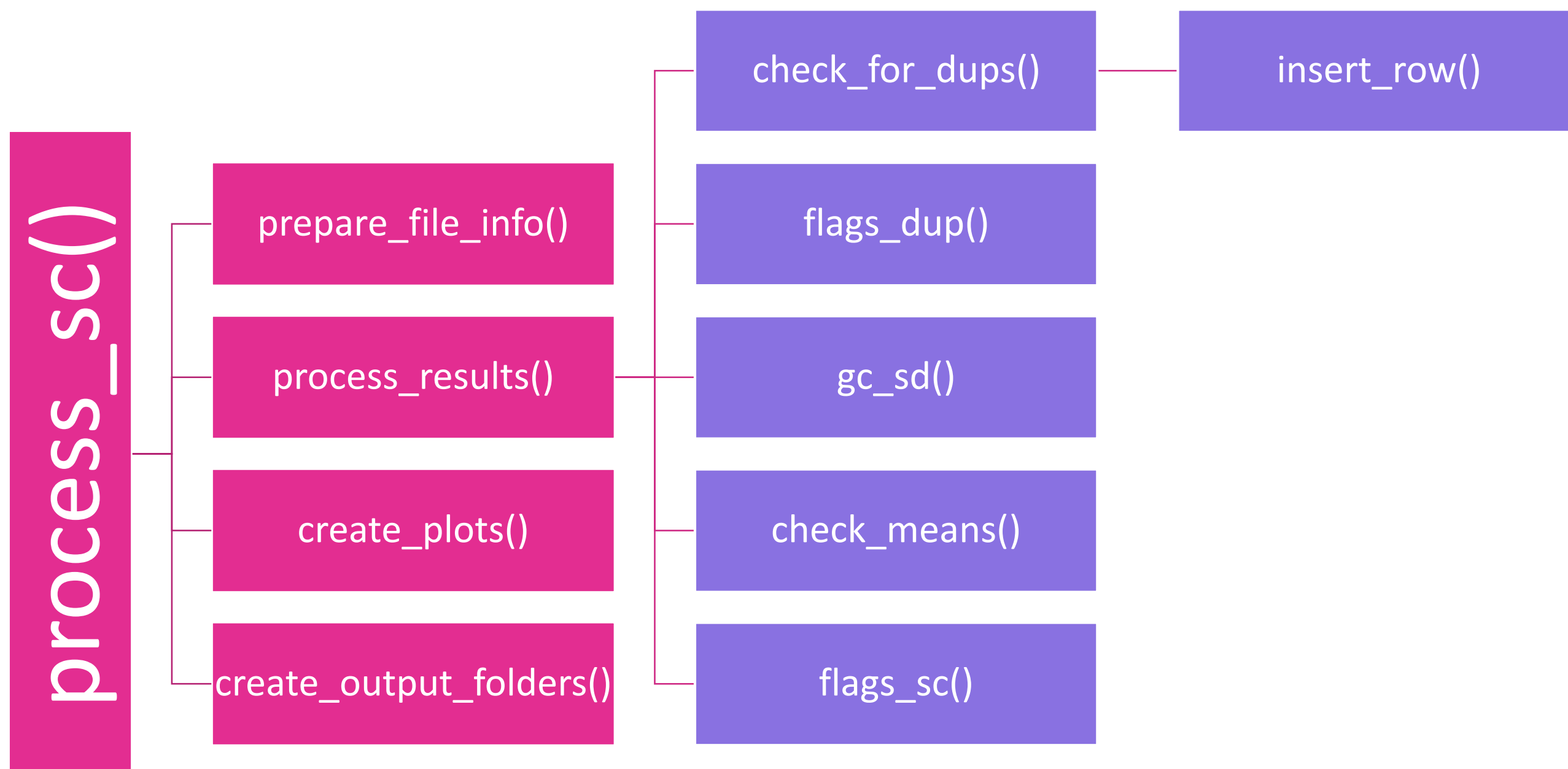
Flag	Meaning
Linearity Low	Abs value is low and outside of the calibration curve
Linearity High	Abs value is high and outside of the calibration curve
End-Point Limit	Sample sat longer than recommended while being read
Inversion	Negative absorbance
Out of Calibration Curve	Result plotted outside of the calibration curve
Short on Sample	Run could not complete due to insufficient sample
Short on Reagent	Run could not complete due to insufficient reagent
High	Sample was above the calibration curve
Run was not completed	Will apply only to _Dup rows. Indicates that _Dup row is missing in input
< 0 (actual value: xxx)	A negative concentration was recorded. Concentration value is stored in flag
< MDL	A concentration < MDL was recorded

Flags for comparison of duplicates (column: Flags)

Flag	Meaning
Perc difference > 10 & both conc above MDL	Percent difference is violated and both concentrations >= MDL
Perc difference > 10 & one or both conc below MDL	Percent difference is violated and one or both concentrations < MDL
Both conc below MDL	Percent difference not violated and concentrations < MDL
Rerun dilution	SC automatically reran this sample with a different dilution
Multi-run sample	User reran this sample with the same dilution

Callstack

For those who need to go into the code



function defined in
sc_functions.R

function defined in
sc_helper_functions.R