Automatically Generated Markdown report

This a PoC for automatic report generation...

Refference Curve Fit

$\LARGE x = {d + {a - d \over {1 + ({ x \over c })^b}} }$

"alt text"

parameter name	estimated value	error	confidence interval
a	0.00788773	0.0188999	[-0.0523, 0.068]
b	0.941942	0.038549	[0.819, 1.06]
c	3.28e+10	5.89604e+09	[1.4e+10, 5.16e+10]
d	7.97675	0.766816	[5.54, 10.4]

Sample evaluation

Sample: controll 'k' 1

	OD_delta	plate*layout*	dil	concentration
('A', 1)	3.0362		1	1.95073e+10
('A', 2)	1.9465		2	1.96645e+10
('A', 3)	1.1445		4	1.95421e+10
('A', 4)	0.631		8	1.91185e+10

CV = 1.21 [%]
mean = 1.946e+10 [cp/ml]

Sample: sample 's' 1

	OD_delta	plate*layout*	dil	concentration
('B', 1)	2.459		1	1.38597e+10
('B', 2)	1.4489		2	1.31936e+10
('B', 3)	0.8489		4	1.35697e+10
('B', 4)	0.4732		8	1.37093e+10

CV = 2.1 [%]
mean = 1.358e+10 [cp/ml]

Sample: sample 's' 2

	OD_delta	plate*layout*	dil	concentration
('C', 1)	1.795		1	8.78406e+09
('C', 2)	0.9791		2	8.06129e+09

	OD_delta	plate*layout*	dil	concentration
('C', 3)	0.5513		4	8.17235e+09
('C', 4)	0.3096		8	8.45905e+09

CV = 3.86 [%]
mean = 8.369e+09 [cp/ml]

Sample: sample 's' 3

	OD_delta	plate*layout*	dil	concentration
('D', 1)	1.1006		1	4.65369e+09
('D', 2)	0.5858		2	4.38374e+09
('D', 3)	0.3201		4	4.39234e+09
('D', 4)	0.1726		8	4.36603e+09

CV = 3.08 [%]
mean = 4.449e+09 [cp/ml]

Sample: sample 's' 4

	OD_delta	plate*layout*	dil	concentration
('E', 1)	0.1012		1	2.95664e+08
('E', 2)	0.05		2	2.52356e+08
('E', 3)	0.0305		4	2.60136e+08
('E', 4)	0.0197		8	2.60742e+08

CV = 7.24 [%]
mean = 2.672e+08 [cp/ml]

Sample: sample 's' 5

	OD_delta	plate*layout*	dil	concentration
('F', 1)	0.8959		1	3.61936e+09
('F', 2)	0.4341		2	3.1052e+09
('F', 3)	0.2449		4	3.2444e+09
('F', 4)	0.1373		8	3.36356e+09

CV = 6.54 [%]
mean = 3.333e+09 [cp/ml]

Sample: sample 's' 6

	OD_delta	plate*layout*	dil	concentration
('G', 1)	0.7171		1	2.77634e+09
('G', 2)	0.3852		2	2.70971e+09
('G', 3)	0.2001		4	2.5815e+09
('G', 4)	0.1125		8	2.67458e+09

CV = 3.02 [%]
mean = 2.686e+09 [cp/ml]

Sample: sample 's' 7

	OD_delta	plate*layout*dil	concentration
('H', 1)	0.7485	1	2.92043e+09
('H', 2)	0.3758	2	2.63464e+09
('H', 3)	0.2218	4	2.90054e+09
('H', 4)	0.1172	8	2.8041e+09

CV = 4.64 [%]
mean = 2.815e+09 [cp/ml]

Sample: sample 's' 8

	OD_delta	plate*layout*dil	concentration
('B', 5)	0.6261	1	2.36818e+09
('B', 6)	0.308	2	2.10239e+09
('B', 7)	0.1677	4	2.11272e+09
('B', 8)	0.0969	8	2.24846e+09

CV = 5.7 [%]
mean = 2.208e+09 [cp/ml]

Sample: sample 's' 9

	OD_delta	plate*layout*dil	concentration
('C', 5)	0.9668	1	3.96907e+09
('C', 6)	0.5012	2	3.66117e+09
('C', 7)	0.2789	4	3.75814e+09
('C', 8)	0.1567	8	3.9115e+09

CV = 3.68 [%]
mean = 3.825e+09 [cp/ml]

Sample: sample 's' 10

	OD_delta	plate*layout*dil	concentration
('D', 5)	1.5097	1	6.96146e+09
('D', 6)	0.8075	2	6.39139e+09
('D', 7)	0.4718	4	6.83139e+09
('D', 8)	0.248	8	6.58173e+09

CV = 3.81 [%]
mean = 6.691e+09 [cp/ml]

Sample: sample 's' 11

	OD_delta	plate*layout*	dil	concentration
('E', 5)	0.9412		1	3.84177e+09
('E', 6)	0.5027		2	3.67377e+09
('E', 7)	0.2686		4	3.60157e+09
('E', 8)	0.1465		8	3.62247e+09

CV = 2.96 [%]
mean = 3.685e+09 [cp/ml]

Sample: sample 's' 12

	OD_delta	plate*layout*	dil	concentration
('F', 5)	0.0268		1	5.37703e+07
('F', 6)	0.0182		2	5.64223e+07
('F', 7)	0.0154		4	8.05852e+07
('F', 8)	0.0132		8	1.1153e+08

CV = 35.5 [%]
mean = 7.558e+07 [cp/ml]

Sample: sample 's' 13

	OD_delta	plate*layout*	dil	concentration
('G', 5)	0.0127		1	1.25515e+07
('G', 6)	0.0109		2	1.52625e+07
('G', 7)	0.0116		4	3.81096e+07
('G', 8)	0.011		8	6.32046e+07

CV = 73.1 [%]
mean = 3.228e+07 [cp/ml]

Sample: sample 's' 14

	OD_delta	plate*layout*	dil	concentration
('H', 5)	0.0107		1	7.09428e+06
('H', 6)	0.0107		2	1.41886e+07
('H', 7)	0.0105		4	2.62387e+07
('H', 8)	0.0091		8	2.32233e+07

CV = 49.3 [%]
mean = 1.769e+07 [cp/ml]

Sample: sample 's' 15

	OD_delta	plate*layout*	dil	concentration
('B', 9)	0.0105		1	6.55968e+06

	OD_delta	plate*layout*	dil	concentration
('B', 10)	0.0106		2	1.36533e+07
('B', 11)	0.0116		4	3.81096e+07
('B', 12)	0.0107		8	5.67542e+07

CV = 80.1 [%]
mean = 2.877e+07 [cp/ml]

Sample: sample 's' 16

	OD_delta	plate*layout*	dil	concentration
('C', 9)	0.0099		1	4.972e+06
('C', 10)	0.0107		2	1.41886e+07
('C', 11)	0.0112		4	3.37634e+07
('C', 12)	0.014		8	1.29454e+08

CV = 1.25e+02 [%]
mean = 4.559e+07 [cp/ml]

Sample: sample 's' 17

	OD_delta	plate*layout*	dil	concentration
('D', 9)	0.0098		1	4.71003e+06
('D', 10)	0.01		2	1.04696e+07
('D', 11)	0.0092		4	1.26312e+07
('D', 12)	0.0112		8	6.75268e+07

CV = 1.23e+02 [%]
mean = 2.383e+07 [cp/ml]

Sample: sample 's' 18

	OD_delta	plate*layout*	dil	concentration
('E', 9)	0.0087		1	1.89755e+06
('E', 10)	0.0094		2	7.34225e+06
('E', 11)	0.0102		4	2.30505e+07
('E', 12)	0.0109		8	6.105e+07

CV = 1.14e+02 [%]
mean = 2.334e+07 [cp/ml]

Sample: sample 's' 19

	OD_delta	plate*layout*	dil	concentration
('F', 9)	0.0096		1	4.18869e+06
('F', 10)	0.0106		2	1.36533e+07
('F', 11)	0.0108		4	2.94499e+07
('F', 12)	0.0132		8	1.1153e+08

CV = 1.23e+02 [%]
mean = 3.971e+07 [cp/ml]

Sample: sample 's' 20

	OD_delta	plate*layout*	dil	concentration
('G', 9)	0.0105		1	6.55968e+06
('G', 10)	0.0116		2	1.90548e+07
('G', 11)	0.0122		4	4.46834e+07
('G', 12)	0.0127		8	1.00412e+08

CV = 97.6 [%]
mean = 4.268e+07 [cp/ml]

Sample: sample 's' 21

	OD_delta	plate*layout*	dil	concentration
('H', 9)	0.008		1	232144
('H', 10)	0.0081		2	912980
('H', 11)	0.0094		4	1.46845e+07
('H', 12)	0.0115		8	7.40404e+07

CV = 1.56e+02 [%]
mean = 2.247e+07 [cp/ml]