

Temperature(°C) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 3	Sensor 17	0.8153625040786975	0.13501412504663937
Sensor 3	Sensor 15	0.71607970658057	3.546194180965576
Sensor 3	Sensor 13	0.4311597856601363	0.4419162314824683
Sensor 3	Sensor 6	0.7546648979444737	0.14563360000000009
Sensor 17	Sensor 15	0.7696309754185787	3.6797361547891905
Sensor 17	Sensor 13	0.0003227694869603369	0.3083876126006075
Sensor 17	Sensor 6	0.9110917157099501	0.025725333333333315
Sensor 15	Sensor 13	0.15670202433366928	3.988108381733894
Sensor 15	Sensor 6	0.715364302310872	3.6904352
Sensor 13	Sensor 6	-0.08838208272373067	0.29781013333333317

UV index Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 3	Sensor 17	nan	0.00021320825115931987
Sensor 3	Sensor 15	nan	0.0
Sensor 3	Sensor 13	nan	0.0
Sensor 3	Sensor 6	nan	0.0
Sensor 17	Sensor 15	nan	0.00021320825115931987
Sensor 17	Sensor 13	nan	0.00021320825115931987
Sensor 17	Sensor 6	nan	0.00021333333333333333
Sensor 15	Sensor 13	nan	0.0
Sensor 15	Sensor 6	nan	0.0
Sensor 13	Sensor 6	nan	0.0

Ambient light(x) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 3	Sensor 17	0.9958265844747152	17.98960876285912
Sensor 3	Sensor 15	0.9910608904611944	15.835883512735796
Sensor 3	Sensor 13	0.9948016275160397	92.46921986571458
Sensor 3	Sensor 6	0.9926439795270466	48.0348976
Sensor 17	Sensor 15	0.9906220957268349	2.1562976387186192
Sensor 17	Sensor 13	0.9927375623708612	74.4796636639838
Sensor 17	Sensor 6	0.992797463845196	30.045331200000003
Sensor 15	Sensor 13	0.9913815216114163	76.63331006554058
Sensor 15	Sensor 6	0.9897363917104053	32.198854400000001
Sensor 13	Sensor 6	0.991898114596293	44.434416

Pressure(mbar) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 3	Sensor 17	0.9994602745298083	0.08065897340227078
Sensor 3	Sensor 15	0.9994472039810911	0.6225262709154858
Sensor 3	Sensor 13	0.9993803591019197	1.2742989449003514
Sensor 3	Sensor 6	0.9993245550798115	0.3251081600000005
Sensor 17	Sensor 15	0.9993575711412694	0.5419806513512073
Sensor 17	Sensor 13	0.9992919616646802	1.3548502212035607
Sensor 17	Sensor 6	0.9993694113997093	0.24455098666666691
Sensor 15	Sensor 13	0.9993377965487039	1.8968250652741514
Sensor 15	Sensor 6	0.9993523624675792	0.29742698666666645
Sensor 13	Sensor 6	0.9993624288245925	1.599406986666667

humidity(%) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 3	Sensor 17	0.9992186980175736	0.08019881669420602
Sensor 3	Sensor 15	0.9975765290188089	5.511090802515187
Sensor 3	Sensor 13	0.9680565817449043	0.8064883299584354
Sensor 3	Sensor 6	0.9989453327104907	0.4643402666666667
Sensor 17	Sensor 15	0.997672456896868	5.435109535739033
Sensor 17	Sensor 13	0.9638396467548387	0.8824177815681465
Sensor 17	Sensor 6	0.9987468099694893	0.5402112
Sensor 15	Sensor 13	0.9671284991878296	6.317591517024564
Sensor 15	Sensor 6	0.997966873754716	5.9750208
Sensor 13	Sensor 6	0.9667883251649817	0.34634613333333325

sound level(dB) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 3	Sensor 17	0.9213198149919333	1.3831442886839722
Sensor 3	Sensor 15	0.9194703661910217	1.5047213044868377
Sensor 3	Sensor 13	0.9296926508099359	1.3635164659490568
Sensor 3	Sensor 6	0.9205928803842258	1.4670831999999998
Sensor 17	Sensor 15	0.9177260407379261	1.5439390224401683
Sensor 17	Sensor 13	0.9228315428306911	1.4298544853685837
Sensor 17	Sensor 6	0.917750697961548	1.5219535999999998
Sensor 15	Sensor 13	0.9300285964012854	1.4409031811157882
Sensor 15	Sensor 6	0.9247982312777321	1.4084805333333332
Sensor 13	Sensor 6	0.9247087683669444	1.4751290666666668

CO2(ppm) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 3	Sensor 17	0.9431036777015774	47.92591013272214
Sensor 3	Sensor 15	0.2790101852384166	110.7021208568688
Sensor 3	Sensor 13	0.9666891577860994	425.9123414686135
Sensor 3	Sensor 6	0.4695678544512441	67.23317333333334
Sensor 17	Sensor 15	0.2861378779982688	64.62224828100848
Sensor 17	Sensor 13	0.9703690738754547	471.78274079206864
Sensor 17	Sensor 6	0.5184275708025219	31.35344
Sensor 15	Sensor 13	0.2920939974252689	535.1842063196035
Sensor 15	Sensor 6	-0.03072920152889114	49.796373333333335
Sensor 13	Sensor 6	0.4550491228144949	487.1202666666667

VOCs(ppb) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 3	Sensor 17	0.9409944208789358	0.7241085229998401
Sensor 3	Sensor 15	0.23612480518244994	1.6737077693701377
Sensor 3	Sensor 13	0.9671836273804977	6.481748907598849
Sensor 3	Sensor 6	0.46340211108336427	1.0251519999999998
Sensor 17	Sensor 15	0.2397900128406834	0.9763178935024784
Sensor 17	Sensor 13	0.9686582955666151	7.174980011726455
Sensor 17	Sensor 6	0.5105119362726306	0.4761493333333333
Sensor 15	Sensor 13	0.24712067284670805	8.135301326797038
Sensor 15	Sensor 6	-0.06736464031047647	0.7465066666666667
Sensor 13	Sensor 6	0.4493044923573261	7.4131893333333325

magnetic field(μ T) Consistency Results

Sensor A	Sensor B	Correlation	MAE
Sensor 3	Sensor 17	-0.0003213560190618694	96.9213261553222
Sensor 3	Sensor 15	0.00374300330863657	138.0166791005009
Sensor 3	Sensor 13	-0.002011992628660071	109.22498134924864
Sensor 3	Sensor 6	0.004193409712934111	84.02181333333333
Sensor 17	Sensor 15	-0.004683284142398014	115.77069452587816
Sensor 17	Sensor 13	0.0002452377005071049	78.7541708864133
Sensor 17	Sensor 6	0.009988916318254933	66.58874666666667
Sensor 15	Sensor 13	-0.0016290323271510865	119.04326743752331
Sensor 15	Sensor 6	0.003749297661524836	113.16208
Sensor 13	Sensor 6	0.0033808848141002393	74.96746666666667