

# NPF feature correlation

Jack Sheridan

25/11/2021

## Variables with >0.95 correlation to other variables

##	row	col	corr
## 3	C02168.mean	C0242.mean	0.9938557
## 5	C02168.mean	C02504.mean	0.9989099
## 1	C02168.mean	C02336.mean	0.9997125
## 8	C02168.std	C02504.std	0.9821875
## 2	C02168.std	C02336.std	0.9956797
## 4	C02336.mean	C0242.mean	0.9923145
## 6	C02336.mean	C02504.mean	0.9996714
## 9	C02336.std	C02504.std	0.9902993
## 7	C0242.mean	C02504.mean	0.9902060
## 93	Glob.mean	PAR.std	0.9560511
## 10	Glob.mean	Glob.std	0.9598992
## 42	Glob.mean	NET.std	0.9606795
## 41	Glob.mean	NET.mean	0.9630737
## 144	Glob.mean	UV_A.mean	0.9861668
## 89	Glob.mean	PAR.mean	0.9957265
## 90	Glob.std	PAR.mean	0.9639686
## 145	Glob.std	UV_A.mean	0.9762942
## 43	Glob.std	NET.std	0.9821902
## 150	Glob.std	UV_A.std	0.9890209
## 94	Glob.std	PAR.std	0.9974702
## 23	H20168.mean	H20672.mean	0.9995283
## 13	H20168.mean	H2042.mean	0.9996910
## 17	H20168.mean	H20504.mean	0.9997443
## 31	H20168.mean	H2084.mean	0.9998947
## 11	H20168.mean	H20336.mean	0.9999045
## 27	H20168.std	H20672.std	0.9843376
## 20	H20168.std	H20504.std	0.9910308
## 15	H20168.std	H2042.std	0.9923761
## 12	H20168.std	H20336.std	0.9965848
## 36	H20168.std	H2084.std	0.9968827
## 14	H20336.mean	H2042.mean	0.9993561
## 32	H20336.mean	H2084.mean	0.9996602
## 24	H20336.mean	H20672.mean	0.9997976
## 18	H20336.mean	H20504.mean	0.9999519
## 16	H20336.std	H2042.std	0.9834390
## 37	H20336.std	H2084.std	0.9894768
## 28	H20336.std	H20672.std	0.9926829
## 21	H20336.std	H20504.std	0.9979952
## 25	H2042.mean	H20672.mean	0.9987025

## 19	H2042.mean	H20504.mean	0.9990404
## 33	H2042.mean	H2084.mean	0.9999189
## 29	H2042.std	H20672.std	0.9675896
## 22	H2042.std	H20504.std	0.9754828
## 38	H2042.std	H2084.std	0.9978405
## 34	H20504.mean	H2084.mean	0.9994095
## 26	H20504.mean	H20672.mean	0.9999065
## 39	H20504.std	H2084.std	0.9818743
## 30	H20504.std	H20672.std	0.9971405
## 35	H20672.mean	H2084.mean	0.9991216
## 40	H20672.std	H2084.std	0.9740402
## 44	NET.mean	NET.std	0.9611323
## 91	NET.mean	PAR.mean	0.9708761
## 146	NET.mean	UV_A.mean	0.9709110
## 92	NET.std	PAR.mean	0.9685316
## 147	NET.std	UV_A.mean	0.9767351
## 151	NET.std	UV_A.std	0.9784929
## 95	NET.std	PAR.std	0.9837833
## 48	N0168.mean	N0672.mean	0.9818212
## 46	N0168.mean	N0504.mean	0.9904531
## 52	N0168.mean	N084.mean	0.9909111
## 45	N0168.mean	N0336.mean	0.9949484
## 49	N0336.mean	N0672.mean	0.9869475
## 53	N0336.mean	N084.mean	0.9880981
## 47	N0336.mean	N0504.mean	0.9938355
## 54	N042.mean	N084.mean	0.9527583
## 55	N0504.mean	N084.mean	0.9840948
## 50	N0504.mean	N0672.mean	0.9954982
## 51	N0504.std	N0672.std	0.9829700
## 56	N0672.mean	N084.mean	0.9778031
## 63	N0x168.mean	N0x672.mean	0.9943986
## 60	N0x168.mean	N0x504.mean	0.9963067
## 58	N0x168.mean	N0x42.mean	0.9970227
## 57	N0x168.mean	N0x336.mean	0.9990546
## 67	N0x168.mean	N0x84.mean	0.9991785
## 59	N0x336.mean	N0x42.mean	0.9956163
## 64	N0x336.mean	N0x672.mean	0.9970479
## 68	N0x336.mean	N0x84.mean	0.9980327
## 61	N0x336.mean	N0x504.mean	0.9983535
## 65	N0x42.mean	N0x672.mean	0.9904524
## 62	N0x42.mean	N0x504.mean	0.9922918
## 69	N0x42.mean	N0x84.mean	0.9981961
## 70	N0x504.mean	N0x84.mean	0.9948470
## 66	N0x504.mean	N0x672.mean	0.9990582
## 71	N0x672.mean	N0x84.mean	0.9930330
## 77	03168.mean	03672.mean	0.9927030
## 72	03168.mean	0342.mean	0.9947864
## 74	03168.mean	03504.mean	0.9958145
## 82	03168.mean	0384.mean	0.9983585
## 73	03168.std	0342.std	0.9546101
## 80	03168.std	03672.std	0.9587484
## 76	03168.std	03504.std	0.9798312
## 86	03168.std	0384.std	0.9872812
## 78	0342.mean	03672.mean	0.9787121

## 75	0342.mean	03504.mean	0.9833642
## 83	0342.mean	0384.mean	0.9987084
## 87	0342.std	0384.std	0.9806525
## 84	03504.mean	0384.mean	0.9900889
## 79	03504.mean	03672.mean	0.9991911
## 88	03504.std	0384.std	0.9528718
## 81	03504.std	03672.std	0.9921701
## 85	03672.mean	0384.mean	0.9860186
## 152	PAR.mean	UV_A.std	0.9579170
## 96	PAR.mean	PAR.std	0.9649857
## 148	PAR.mean	UV_A.mean	0.9931437
## 155	PAR.std	UV_B.mean	0.9503629
## 158	PAR.std	UV_B.std	0.9545785
## 149	PAR.std	UV_A.mean	0.9785318
## 153	PAR.std	UV_A.std	0.9932132
## 108	RHIRGA168.mean	RHIRGA672.mean	0.9951764
## 99	RHIRGA168.mean	RHIRGA42.mean	0.9973862
## 103	RHIRGA168.mean	RHIRGA504.mean	0.9976969
## 115	RHIRGA168.mean	RHIRGA84.mean	0.9989838
## 97	RHIRGA168.mean	RHIRGA336.mean	0.9989920
## 112	RHIRGA168.std	RHIRGA672.std	0.9582222
## 106	RHIRGA168.std	RHIRGA504.std	0.9756639
## 101	RHIRGA168.std	RHIRGA42.std	0.9764146
## 120	RHIRGA168.std	RHIRGA84.std	0.9909597
## 98	RHIRGA168.std	RHIRGA336.std	0.9919423
## 100	RHIRGA336.mean	RHIRGA42.mean	0.9954354
## 116	RHIRGA336.mean	RHIRGA84.mean	0.9974153
## 109	RHIRGA336.mean	RHIRGA672.mean	0.9974414
## 104	RHIRGA336.mean	RHIRGA504.mean	0.9994595
## 102	RHIRGA336.std	RHIRGA42.std	0.9600883
## 113	RHIRGA336.std	RHIRGA672.std	0.9789122
## 121	RHIRGA336.std	RHIRGA84.std	0.9791474
## 107	RHIRGA336.std	RHIRGA504.std	0.9932088
## 110	RHIRGA42.mean	RHIRGA672.mean	0.9901984
## 105	RHIRGA42.mean	RHIRGA504.mean	0.9933394
## 117	RHIRGA42.mean	RHIRGA84.mean	0.9991195
## 122	RHIRGA42.std	RHIRGA84.std	0.9921355
## 118	RHIRGA504.mean	RHIRGA84.mean	0.9955830
## 111	RHIRGA504.mean	RHIRGA672.mean	0.9988817
## 123	RHIRGA504.std	RHIRGA84.std	0.9569256
## 114	RHIRGA504.std	RHIRGA672.std	0.9929049
## 119	RHIRGA672.mean	RHIRGA84.mean	0.9925911
## 124	RPAR.mean	RPAR.std	0.9571968
## 131	T168.mean	T672.mean	0.9994772
## 125	T168.mean	T42.mean	0.9997177
## 127	T168.mean	T504.mean	0.9997562
## 136	T168.mean	T84.mean	0.9998902
## 134	T168.std	T672.std	0.9764465
## 126	T168.std	T42.std	0.9805177
## 129	T168.std	T504.std	0.9887274
## 140	T168.std	T84.std	0.9925008
## 132	T42.mean	T672.mean	0.9989186
## 128	T42.mean	T504.mean	0.9993395
## 137	T42.mean	T84.mean	0.9998995

## 130	T42.std	T504.std	0.9536049
## 141	T42.std	T84.std	0.9946391
## 138	T504.mean	T84.mean	0.9995453
## 133	T504.mean	T672.mean	0.9999107
## 142	T504.std	T84.std	0.9721259
## 135	T504.std	T672.std	0.9956827
## 139	T672.mean	T84.mean	0.9991763
## 143	T672.std	T84.std	0.9574219
## 156	UV_A.mean	UV_B.mean	0.9628746
## 154	UV_A.mean	UV_A.std	0.9792650
## 157	UV_A.std	UV_B.mean	0.9599189
## 159	UV_A.std	UV_B.std	0.9700956
## 160	UV_B.mean	UV_B.std	0.9898720