

AEPRAW Dataset Analysis

Datasets 18, 22, & 24

Dataset Features

flight_id	unique_columns	num_rows	timestamp_mean_std_s	distance_mean_std
Dataset_18_Yaw_315_Flight	RSRP_LTE_4G, SINR_LTE_4G, RSRP_NR_5G, SINR_NR_5G	2898	0.27 ± 0.05	2.24 ± 0.93
Dataset_18_Yaw_45_Flight	RSRP_LTE_4G, SINR_LTE_4G, RSRP_NR_5G, SINR_NR_5G	2949	0.27 ± 0.05	2.21 ± 1.01
Dataset_22_4G_LTE_Flight	RSRP_LTE_4G, RSRQ_LTE_4G, RSSI_LTE_4G, TA_LTE_4G	2021	1.00 ± 0.00	2.22 ± 2.37
Dataset_24_Nemo_5G_30m_Flight_1	RSRP_NR_5G, RSRQ_NR_5G, RSSI_NR_5G, SINR_NR_5G, TA_NR_5G	2057	0.51 ± 0.04	3.18 ± 2.30
Dataset_24_Nemo_5G_30m_Flight_2	RSRP_NR_5G, RSRQ_NR_5G, RSSI_NR_5G, SINR_NR_5G, TA_NR_5G	2044	0.51 ± 0.04	3.20 ± 2.28
Dataset_24_PawPrints_4G_30m_Flight_1	RSRP_LTE_4G, RSRQ_LTE_4G, RSSI_LTE_4G, RSSNR_LTE_4G, TA_LTE_4G	2421	1.00 ± 0.00	2.72 ± 4.29
Dataset_24_PawPrints_4G_30m_Flight_2	RSRP_LTE_4G, RSRQ_LTE_4G, RSSI_LTE_4G, RSSNR_LTE_4G, TA_LTE_4G	2078	1.00 ± 0.00	3.17 ± 4.48
Dataset_24_PawPrints_4G_50m_Flight	RSRP_LTE_4G, RSRQ_LTE_4G, RSSI_LTE_4G, RSSNR_LTE_4G, TA_LTE_4G	1533	1.00 ± 0.00	4.29 ± 4.73
Dataset_24_PawPrints_5G_30m_Flight_1	RSRP_NR_5G, RSRQ_NR_5G, SINR_NR_5G	791	1.03 ± 0.32	8.27 ± 4.86
Dataset_24_PawPrints_5G_30m_Flight_2	RSRP_NR_5G, RSRQ_NR_5G, SINR_NR_5G	731	1.12 ± 0.85	8.95 ± 9.06
Dataset_24_PawPrints_5G_50m_Flight	RSRP_NR_5G, RSRQ_NR_5G, SINR_NR_5G	709	1.18 ± 1.12	9.28 ± 10.49

Flight Average Mutual Correlation

