Effect Size Analysis

Effect Sizes (Cohen's d)

Comparisons	f1_score	map50	map50_95	precision	recall
yolov11n dual vs yolov11n full	-16	-20	-21	-2.3	-15
yolov11n dual vs yolov11n octal	-20	-31	-32	-3	-23
yolov11n dual vs yolov11n quad	-16	-27	-27	-2.2	-22
yolov11n dual vs yolov8n dual	0.94	0.59	0.7	-0.26	1.1
yolov11n dual vs yolov8n full	-18	-22	-23	-2.2	-16
yolov11n dual vs yolov8n octal	-26	-31	-33	-2.8	-22
yolov11n dual vs yolov8n quad	-22	-27	-29	-2.1	-19
yolov11n full vs yolov11n octal	-6.2	-18	-15	-1	-11
yolov11n full vs yolov11n quad	-3.5	-11	-9.7	0.25	-9.5
yolov11n full vs yolov8n dual	19	26	26	3	21
yolov11n full vs yolov8n full	0.14	-0.34	0.65	0.26	-0.27
yolov11n full vs yolov8n octal	-7.6	-18	-15	-0.34	-10
yolov11n full vs yolov8n quad	-3.6	-11	-9.7	0.79	-6.2
yolov11n octal vs yolov11n quad	1.9	2.6	2.5	1.3	2.5
yolov11n octal vs yolov8n dual	23	43	42	4	33
yolov11n octal vs yolov8n full	7	28	23	1.4	14
yolov11n octal vs yolov8n octal	1.2	2.3	2.8	1.1	0.42
yolov11n octal vs yolov8n quad	4.1	5.1	6.1	2.2	4.1
yolov11n quad vs yolov8n dual	18	34	33	2.9	32
yolov11n quad vs yolov8n full	3.9	14	13	0.0066	12
yolov11n quad vs yolov8n octal	-1.4	-1.4	-0.98	-0.74	-1.8
yolov11n quad vs yolov8n quad	1.3	1.6	2	0.52	2
yolov8n dual vs yolov8n full	-22	-31	-32	-2.9	-25
yolov8n dual vs yolov8n octal	-34	-43	-45	-4.4	-30
yolov8n dual vs yolov8n quad	-28	-35	-38	-3.2	-26
yolov8n full vs yolov8n octal	-10	-33	-32	-0.79	-12
yolov8n full vs yolov8n quad	-4.7	-14	-15	0.54	-7
yolov8n octal vs yolov8n quad	5.5	4	5	3.2	3.4

Effect Size Magnitude Distribution

large — 87.9%
negligible — 1.4%
small — 5.0%
medium — 5.7%