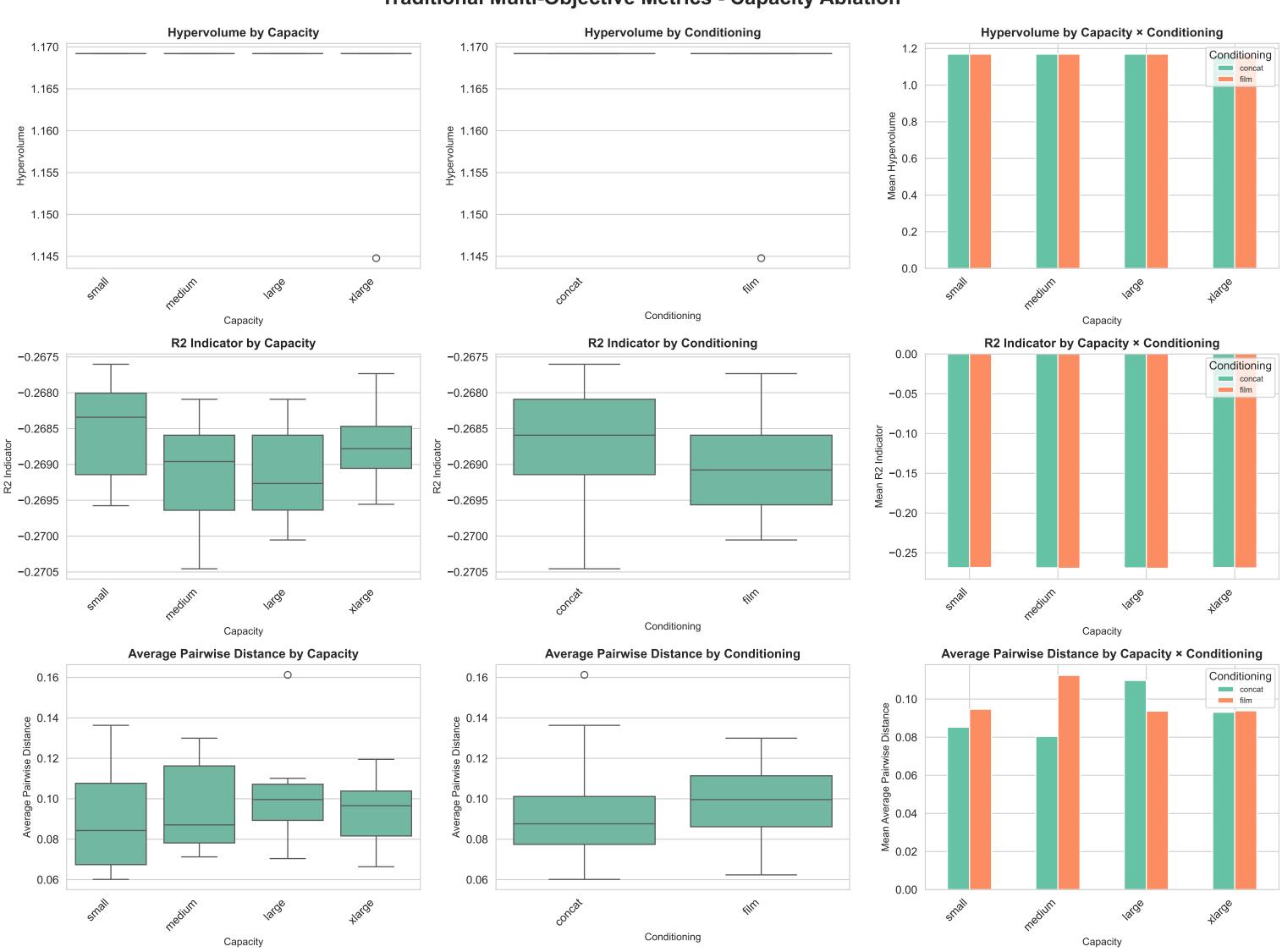
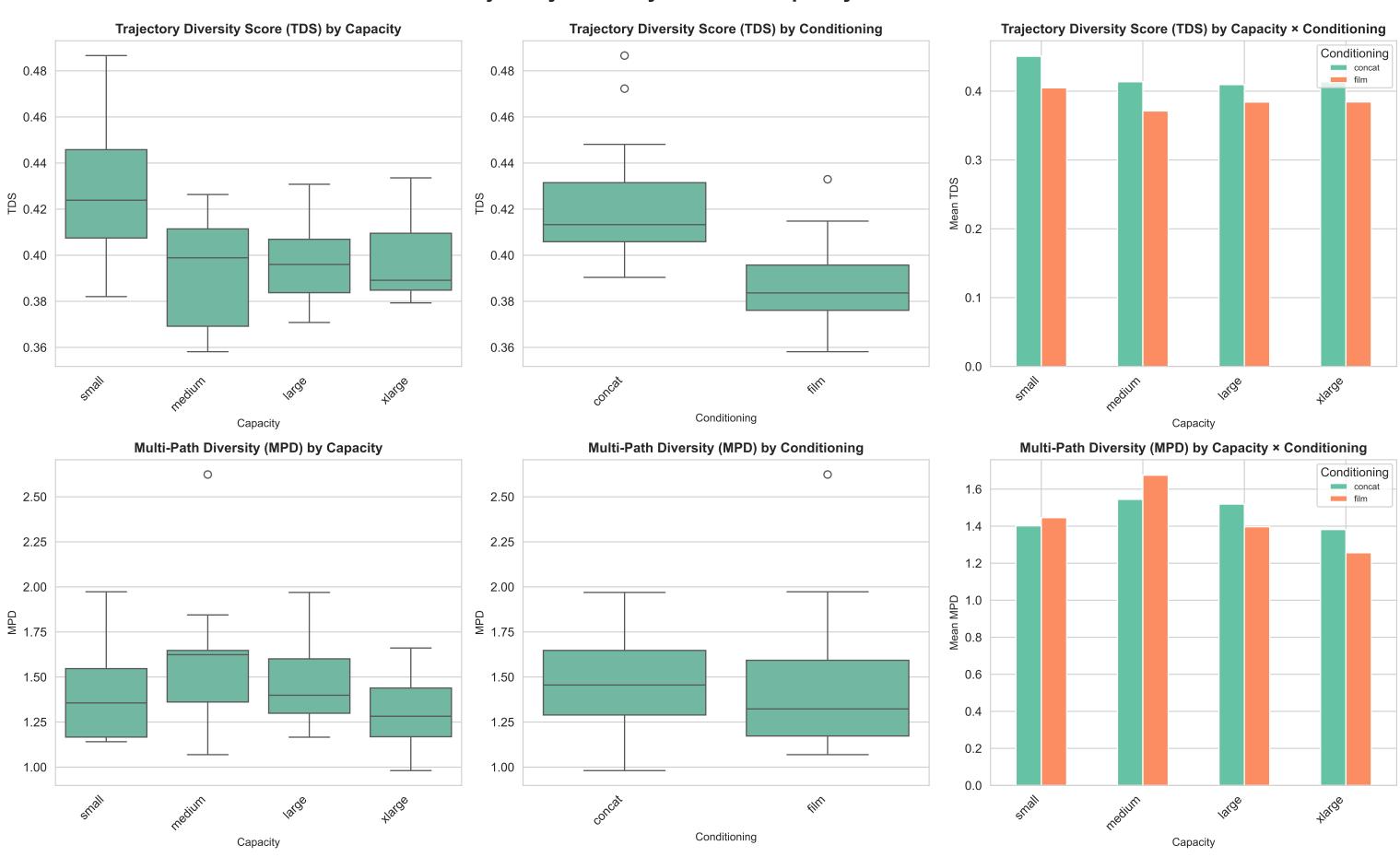
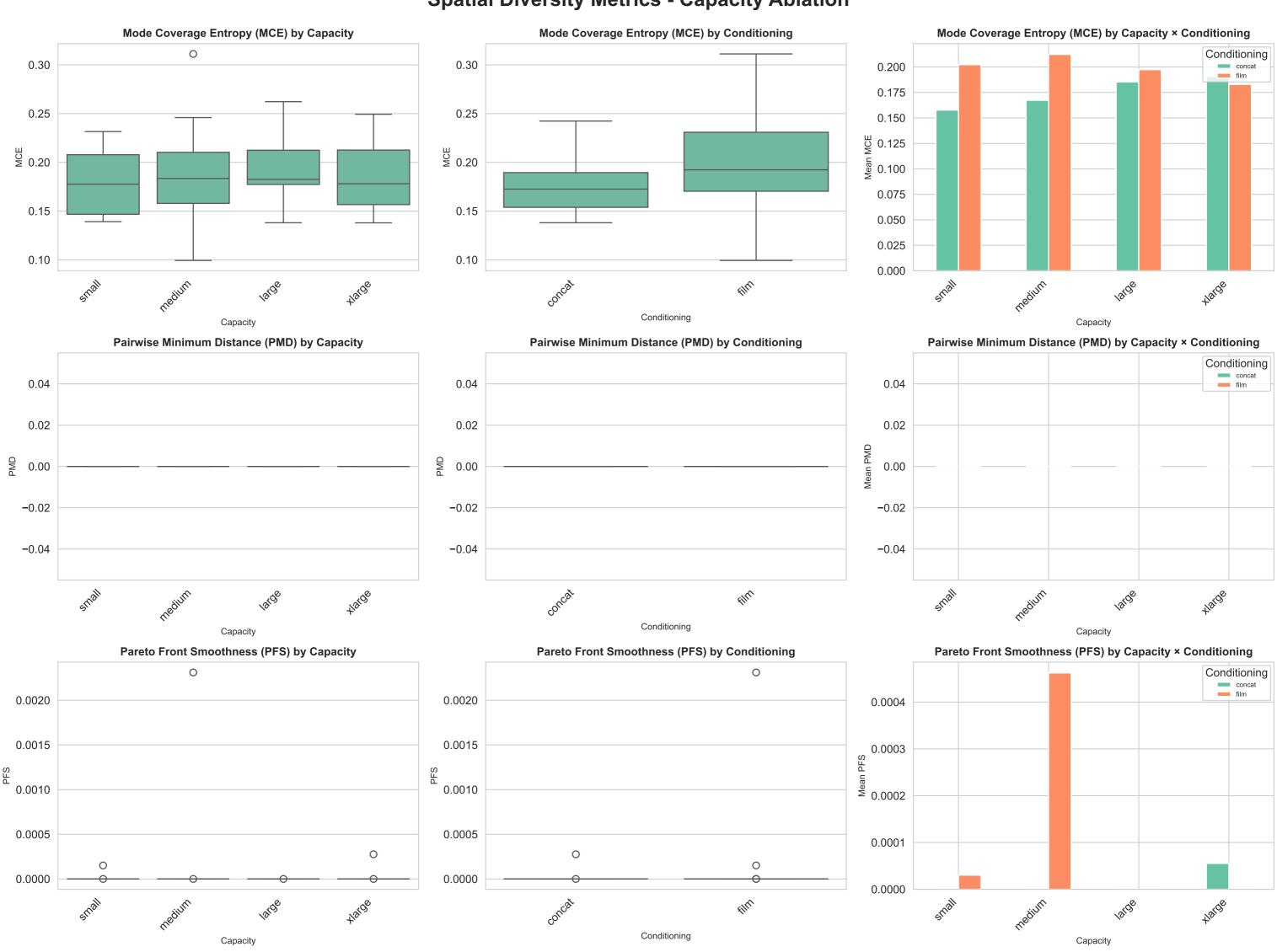
#### **Traditional Multi-Objective Metrics - Capacity Ablation**



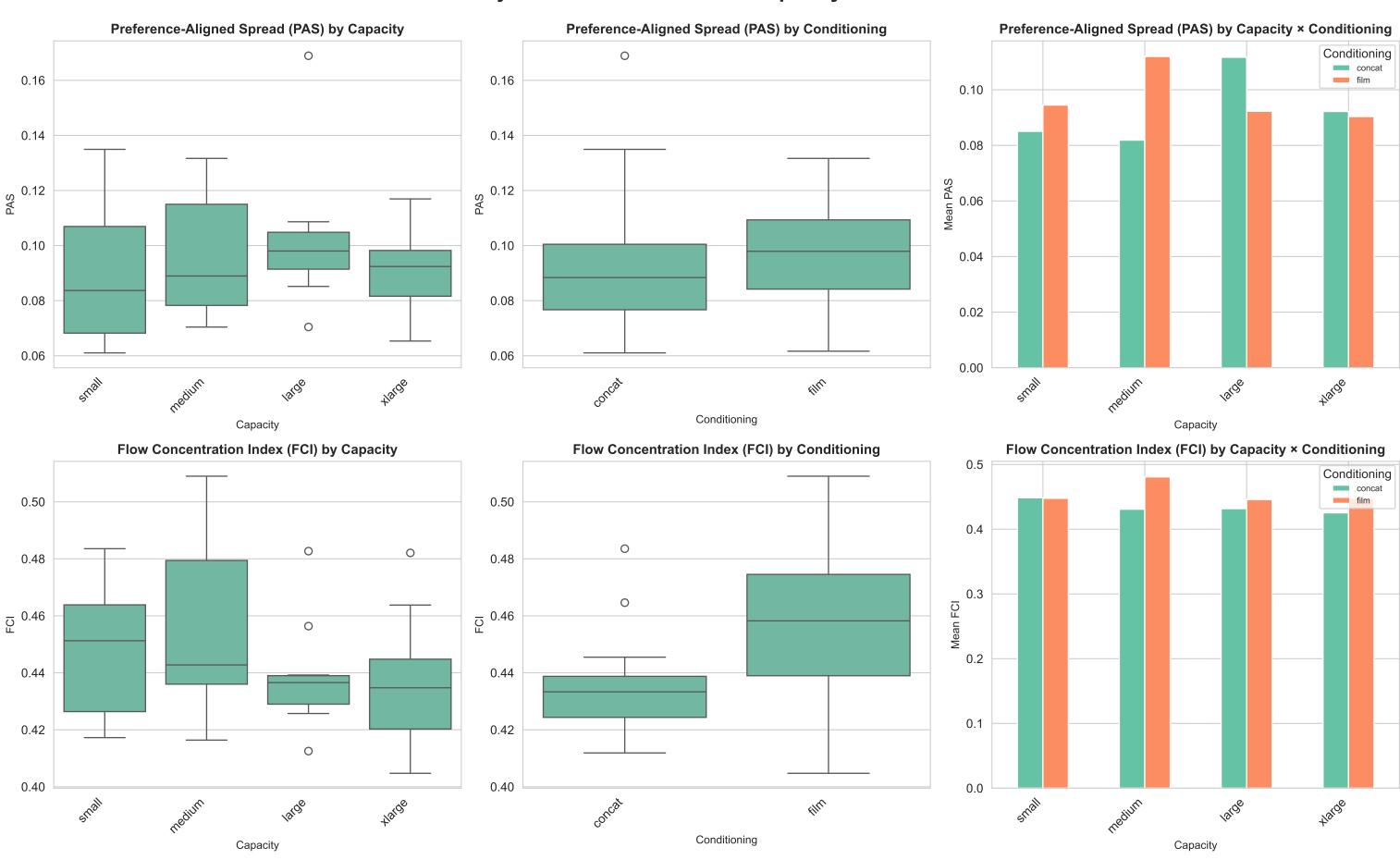
#### **Trajectory Diversity Metrics - Capacity Ablation**



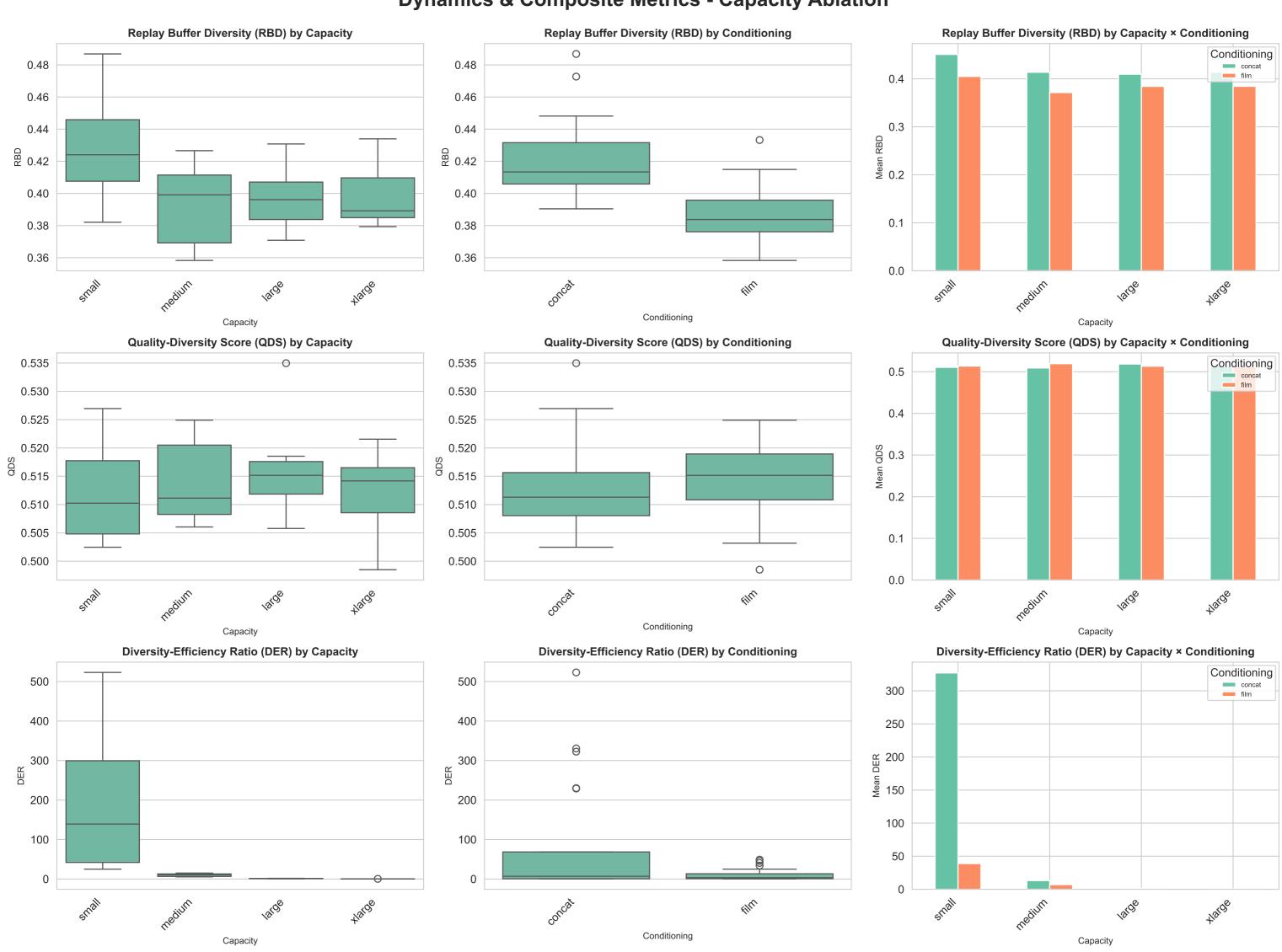
## **Spatial Diversity Metrics - Capacity Ablation**



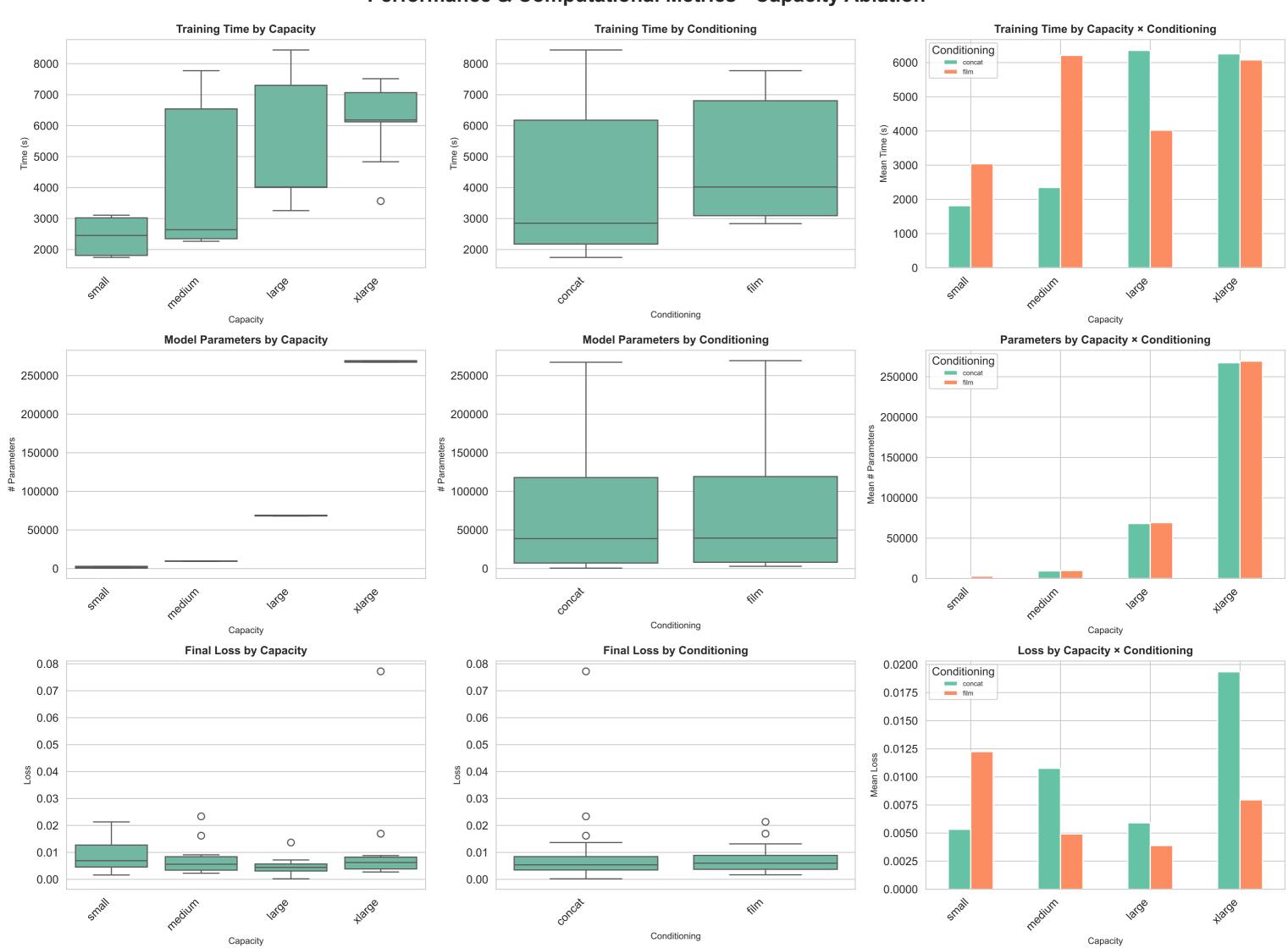
### **Objective & Flow Metrics - Capacity Ablation**



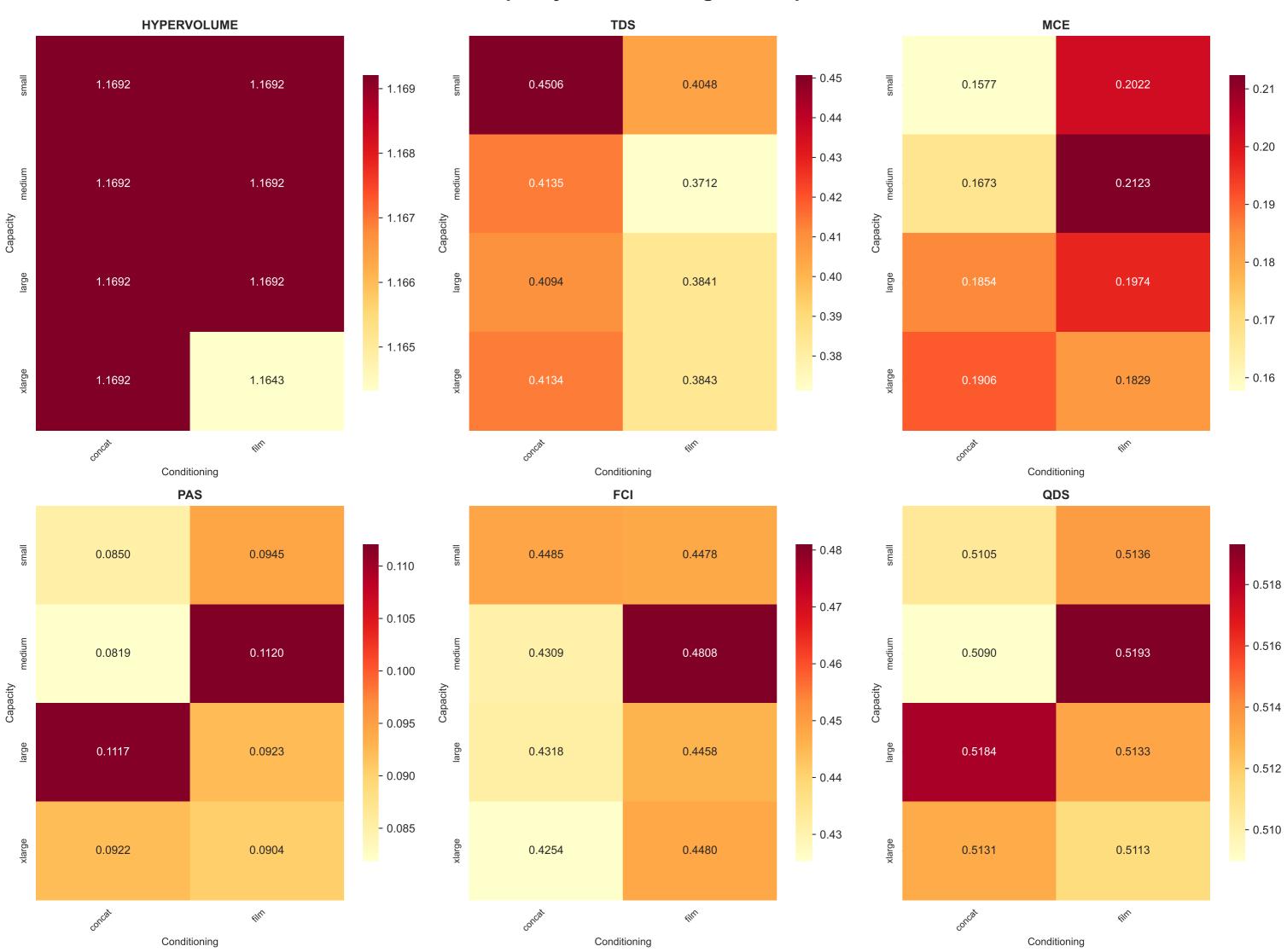
#### **Dynamics & Composite Metrics - Capacity Ablation**



#### **Performance & Computational Metrics - Capacity Ablation**



## **Capacity × Conditioning Heatmaps**



# **Summary Statistics Tables - Capacity Ablation**

#### Mean ± Std by Capacity

Capacity	HYPERVOLUME	TDS	MCE	PAS	FCI	QDS	DER
small	1.169±0.000	0.428±0.035	0.180±0.036	0.090±0.025	0.448±0.023	0.512±0.008	182.988±171.692
medium	1.169±0.000	0.392±0.026	0.190±0.059	0.097±0.024	0.456±0.033	0.514±0.008	10.082±3.503
large	1.169±0.000	0.397±0.018	0.191±0.038	0.102±0.026	0.439±0.019	0.516±0.008	1.149±0.378
xlarge	1.167±0.008	0.399±0.020	0.187±0.039	0.091±0.015	0.437±0.024	0.512±0.007	0.216±0.080

#### Mean ± Std by Conditioning

Conditioning	HYPERVOLUME	TDS	MCE	PAS	FCI	QDS	DER
concat	1.169±0.000	0.422±0.025	0.175±0.030	0.093±0.026	0.434±0.017	0.513±0.008	85.376±153.435
film	1.168±0.005	0.386±0.018	0.199±0.050	0.097±0.019	0.456±0.029	0.514±0.007	11.842±16.870

#### **Overall Statistics**

Metric	Mean	Std	Min	Max	Count
HYPERVOLUME	1.1686	0.0039	1.1448	1.1692	40
TDS	0.4039	0.0282	0.3581	0.4866	40
MCE	0.1870	0.0424	0.0993	0.3112	40
PAS	0.0950	0.0226	0.0610	0.1689	40
FCI	0.4449	0.0256	0.4047	0.5090	40
QDS	0.5136	0.0075	0.4985	0.5350	40
DER	48.6087	113.9928	0.1450	522.9829	40