

CSE 8803 – Big Data for Health Informatics
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2 – Descriptive Statistics

Metric	Deceased	Alive	Type
Avg. Event Count	982.01	498.11	Event count
Max Event Count	8635	12627	Event count
Min Event Count	1	1	Event count
Avg. Event Count	23.03	15.45	Encounter Count
Max Event Count	203	391	Encounter Count
Min Event Count	1	1	Encounter Count
Avg. Event Count	127.53	159.20	Record Length
Max Event Count	1972	2914	Record Length
Min Event Count	0	0	Record Length

4.1 – Predictive Modeling

Model	Accuracy	AUC	Precision	Recall	F-Score
Logistic Regression	0.738	0.735	0.680	0.7333	0.705
SVM	0.738	0.738	0.676	0.7444	0.708
Decision Tree	0.666	0.693	0.572	0.8777	0.692

4.2 – Cross Validation

CV	Accuracy	AUC
KFold	0.72	0.710
Randomized	0.73	0.718