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# Homework 1

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## 1 CITI CERTIFICATION

See:

- ./HIPS.pdf
- ./Group1.pdf
- ./Group2.pdf

## 2 DESCRIPTIVE STATISTICS

Metric	Deceased Patients			Alive Patients		
	Avg.	Max.	Min.	Avg.	Max.	Min.
Event Count	1	2	3	4	5	6
Encounter Count						
Record Length						

### 3 FEATURE CONSTRUCTION

## 4 PREDICTIVE MODELING

### 4.1 MODEL CREATION

Model	Training					Testing				
	Acc.	AUC	Prec.	Recall	F	Acc.	AUC	Prec.	Recall	F
Logistic Regression	1	2	3	4	5	6	7	8	9	10
SVM	1	2	3	4	5	6	7	8	9	10
Decision Tree	1	2	3	4	5	6	7	8	9	10

Paragraph about improvements.

### 4.2 MODEL VALIDATION

CV Strategy	Accuracy	AUC
K-Fold		
Randomized		

### 4.3 SELF MODEL CREATION

Paragraph describing model.