

# Baseline Model: National Early Warning Score

Table: NEWS scoring criteria as a aggregate weighted system<sup>9</sup>.

Score	3	2	1	0	1	2	3
Respiration Rate	$\leq 8$		9-11	12-20		21-24	$\geq 35$
Oxygen Saturations	$\leq 91$	92-93	94-95	$\geq 96$			
Supplemental Oxygen		Yes		No			
Systolic BP	$\leq 90$	91-100	101-110	111-219			$\geq 220$
Heart Rate	$\leq 40$		41-45	51-90	91-110	111-130	$\geq 131$
Temperature	$\leq 35$		35-36	36-38	38-39	$\geq 39$	
Level of Consciousness				A			V,P,U

<sup>9</sup> Ariel L Shiloh et al. "Early warning/track-and-trigger systems to detect deterioration and improve outcomes in hospitalized patients". In: *Seminars in respiratory and critical care medicine*. Vol. 37. 01. Thieme Medical Publishers. 2016, pp. 088–095.

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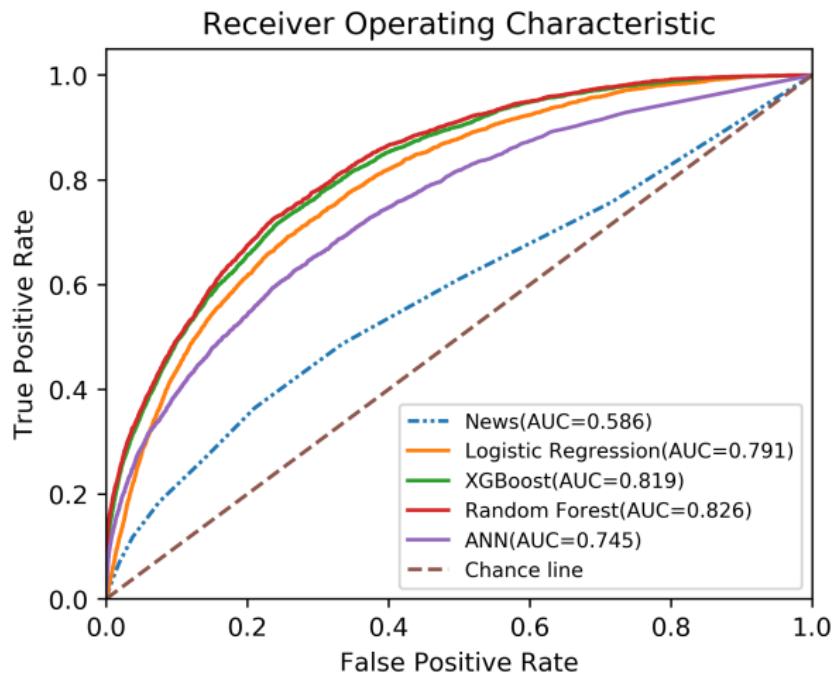
Background &  
Significance

Data  
Preparation

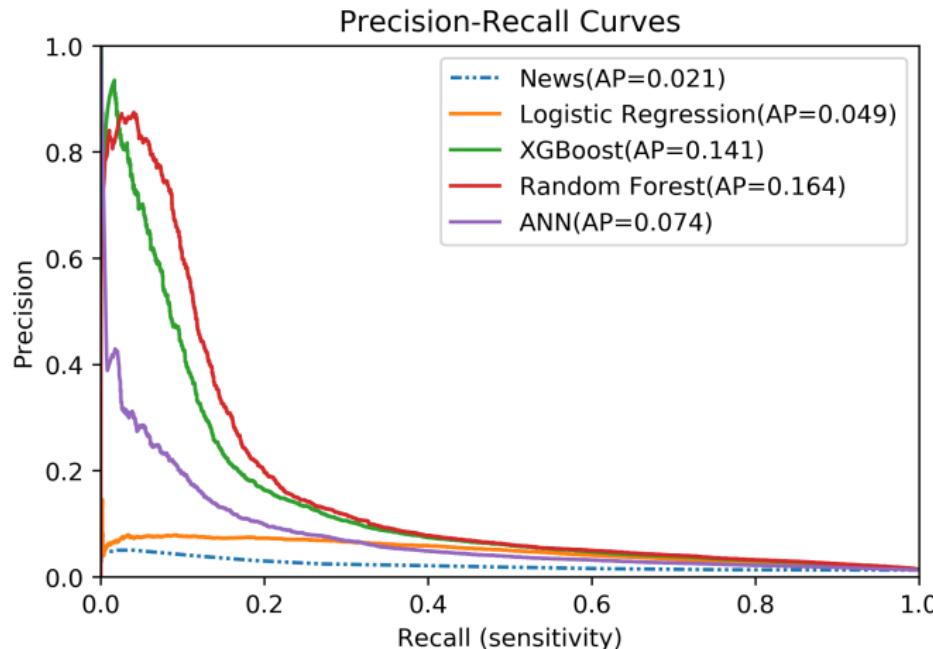
Feature  
Engineering &  
Modeling

Experimental  
Results

Conclusion



# Precision-Recall



# Score Comparison

