

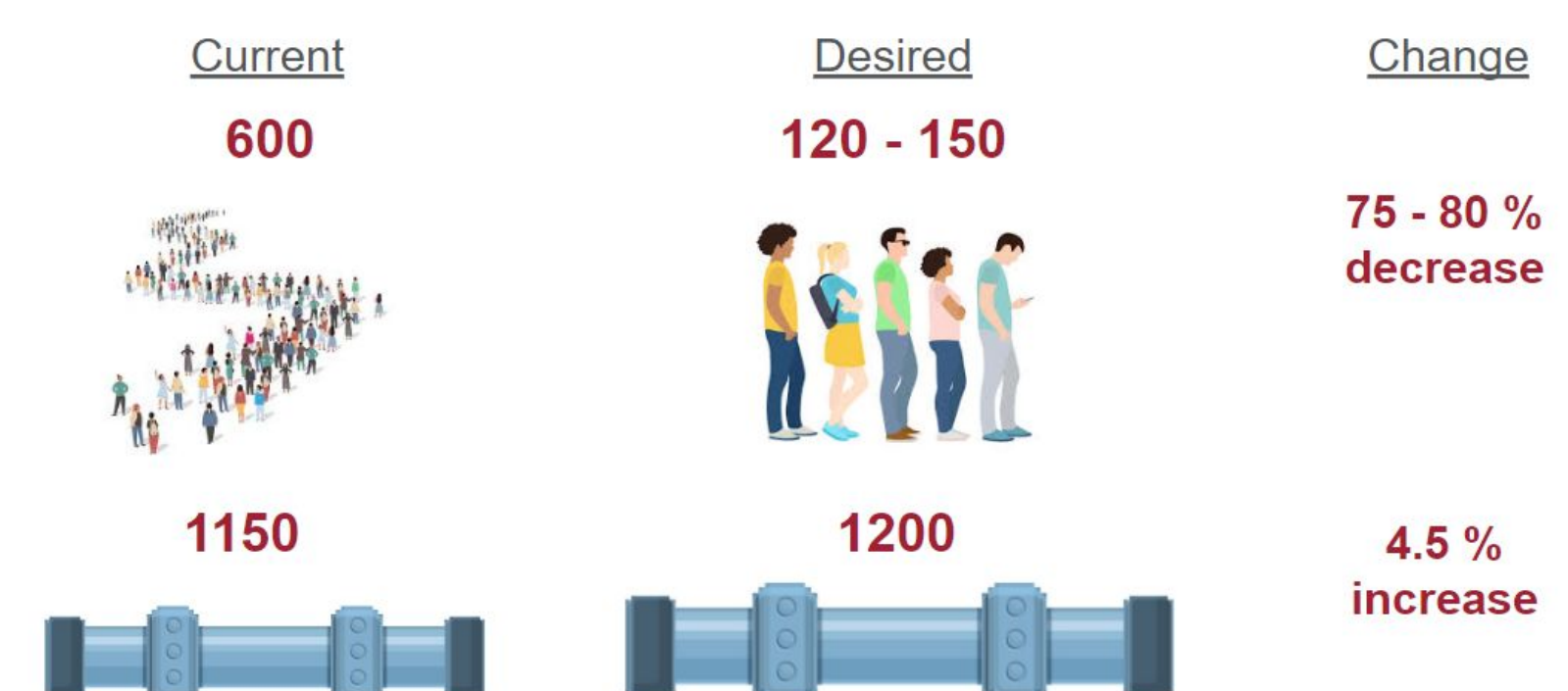
Katherine Mendyk, ENS USN, MIT MBAn Candidate '24
LCDR Greg Gibson, USN, CNATRA Deputy
Jordan Levine, Faculty Advisor



The Naval Air Training pipeline is a process.

In order to maintain a combat ready force, the Naval Air Training Command (NATRACOM) must decrease waiting pool sizes and increase annual throughput rate of qualified Navy pilots, without additional resources.

Previous work suggesting a model to sort Student Naval Aviators into Predicted Performance -Based tracks was not substantiated by an accuracy metric.



Make a recommendation to the Chief of Naval Air Training (CNATRA) on whether or not SNAs can be sorted into predicted performance -based tracks.

Intrinsics

Individual Athletics

Previous Fight Experience

NIFE Academics

NIFE Flights

Primary Academics

Weather

Model	Included Features	OSR ² /Accuracy
PRITTT Numeric	all	0.0766
PRITTT Numeric (limited)	Primary Rank NIFE Academic NSS Primary Academic NSS Weather	0.0436
PRITTENT Numeric	all	0.3629
PRITTENT Numeric (limited)	NIFE Rank NIFE Academic NSS NIFE Time to Train NIFE Time to Train Entitled Weather	0.9905
PRIHRSFLWN Numeric	all	0.0805
PRIHRSFLWN Numeric (limited)	Primary Rank NIFE Academic NSS NIFE Time to Train Entitled Primary Academic NSS Weather	0.9507
PRITTT Categorical	all	0.4966
PRITTT Categorical (limited)	Primary Rank NIFE Rank Primary Squadron Weather	0.4678

Track assignment may have potential, but the current model can't sort SNAs accurately enough to be a basis for simulation.

incorporate Prior Flight Experience data for a model that is more...

COMPREHENSIVE & ACCURATE