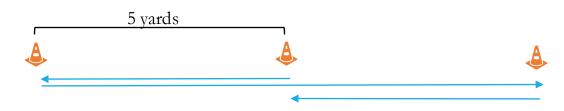
## Understanding the Components of Agility

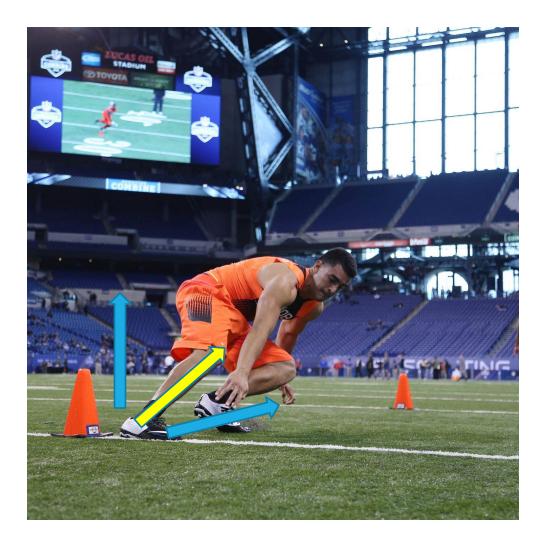
MATTHEW RIMOL















## Features

Position

Height

Weight

Vertical Jump

Broad Jump

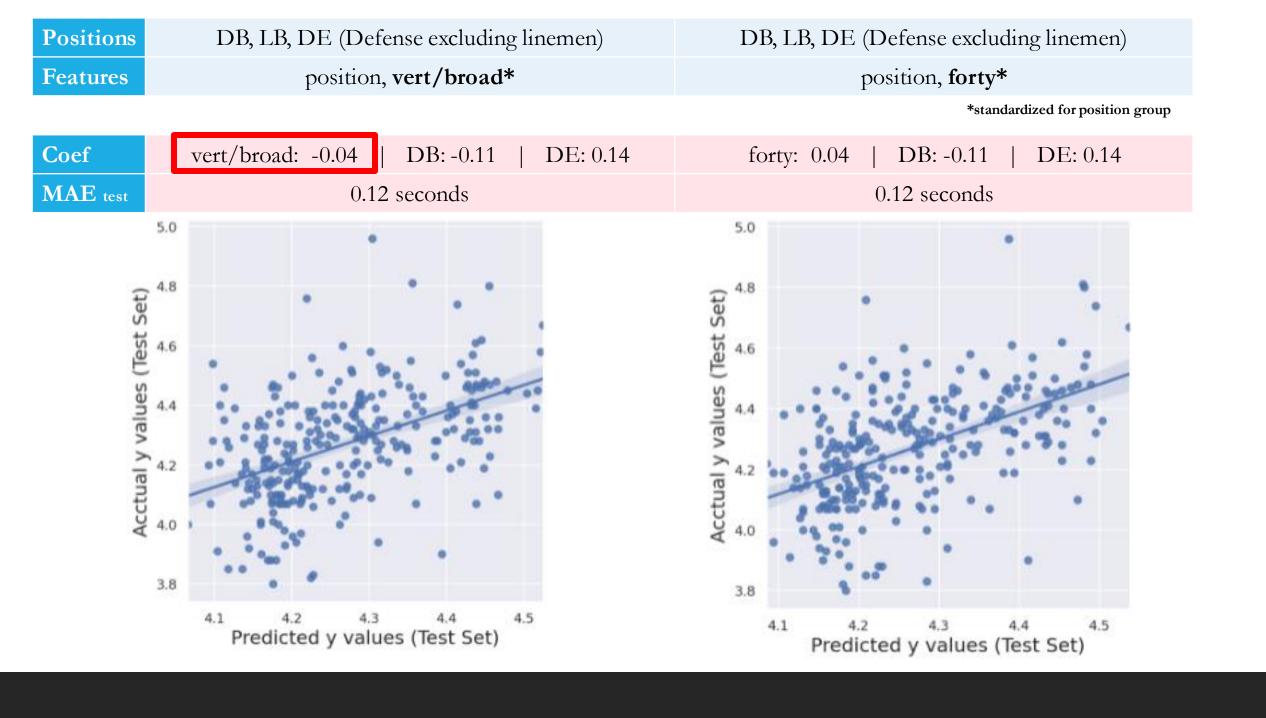
Bench Press

Three Cone Drill

Shuttle

Vertical Jump ÷ Broad Jump

Height ÷ Weight (measure of "lankiness")



Positions	OL (Offensive Line)	OL (Offensive Line)
Features	vert/broad*	forty*
		*standardized
Coef	vert/broad: -0.04	forty: 0.10
MAE test	0.14 seconds	0.14 seconds
	4.6 (Lest Set)  4.70 4.72 4.74 4.76 4.78 4.80 4.82 4.84  Predicted y values (Test Set)	4.5 4.6 4.7 4.8 4.9 Predicted y values (Test Set)

Stronger vertical power relative to horizontal power is associated with faster shuttle time

Vertical Jump ÷ Broad Jump predicts similarly to Forty Yard Dash in DB, LB, DE

Insights

No Relationship

- Height ÷ Weight ("lankiness")
- Bench Press (adjusted for weight)

## How more data helps

More rows = Sufficient sample sizes for individual positions

More columns = More exercises and different tests