Figure 1: 40-Yard Dash Time by Year Grouped by Position Group

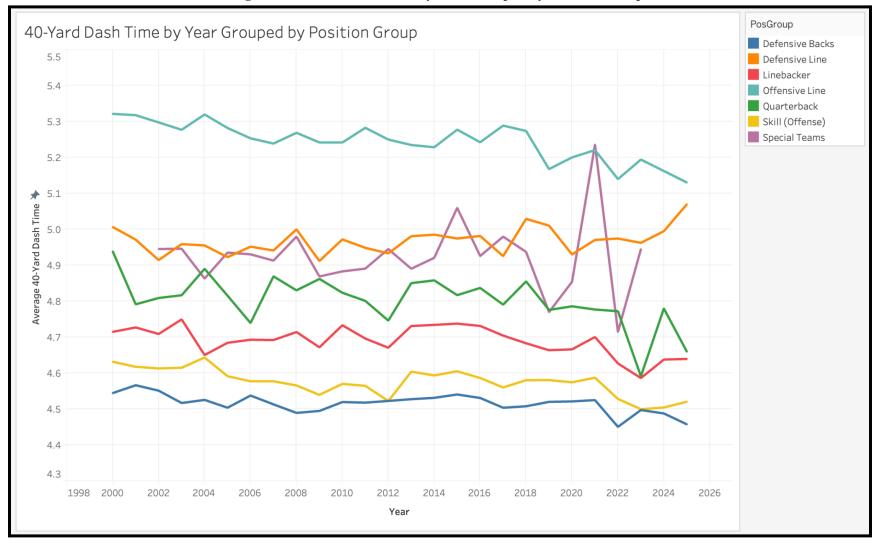
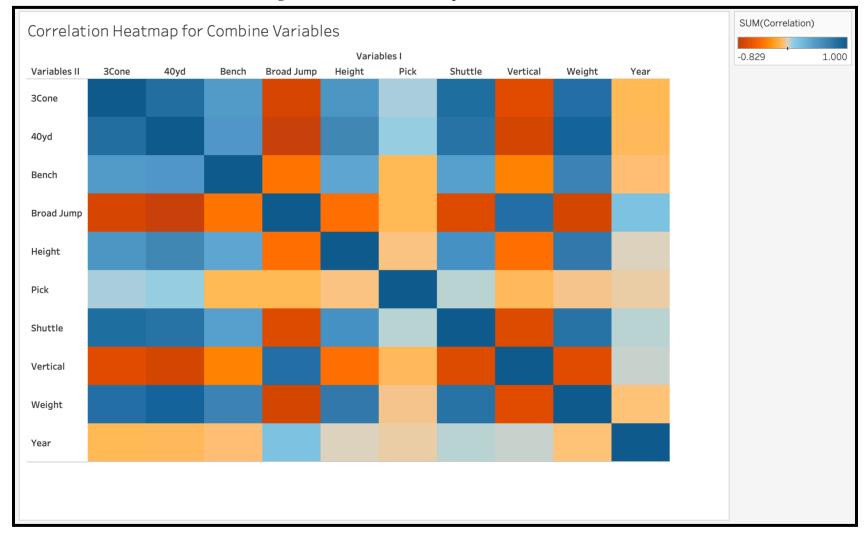


Figure 2: Correlation Heatmap for Combine Variables



**Figure 3: Correlation Matrix for Combine Variables** 

Scone       1.000       0.824       0.466       -0.741       0.523       0.060       0.845       -0.677       0.814       -0.112         Book       0.094       0.824       1.000       0.497       -0.829       0.623       0.082       0.783       -0.756       0.897       -0.102         Bench       0.466       0.497       1.000       -0.425       0.381       -0.109       0.427       -0.358       0.657       -0.075         Broad Jump       -0.741       -0.829       -0.425       1.000       -0.438       -0.117       -0.717       0.816       -0.759       0.193         Height       0.523       0.623       0.381       -0.438       1.000       -0.059       0.548       -0.449       0.739       -0.006         Prick       0.060       0.082       -0.109       -0.117       -0.059       1.000       0.041       -0.098       -0.052       -0.030         Shuttle       0.845       0.783       0.427       -0.717       0.548       0.041       1.000       -0.695       1.000       -0.694       0.019         Weight       0.814       0.897       0.657       -0.759       0.739       -0.052       0.784       -0.694	3Cone       1.000       0.824       0.466       -0.741       0.523       0.060       0.845       -0.677       0.814       -0.112         40yd       0.824       1.000       0.497       -0.829       0.623       0.082       0.783       -0.756       0.897       -0.102         Bench       0.466       0.497       1.000       -0.425       0.381       -0.109       0.427       -0.358       0.657       -0.075
10yd 0.824 1.000 0.497 -0.829 0.623 0.082 0.783 -0.756 0.897 -0.102  Rench 0.466 0.497 1.000 -0.425 0.381 -0.109 0.427 -0.358 0.657 -0.075  Rroad Jump -0.741 -0.829 -0.425 1.000 -0.438 -0.117 -0.717 0.816 -0.759 0.193  Reight 0.523 0.623 0.381 -0.438 1.000 -0.059 0.548 -0.449 0.739 -0.006  Rick 0.060 0.082 -0.109 -0.117 -0.059 1.000 0.041 -0.098 -0.052 -0.030  Rinutle 0.845 0.783 0.427 -0.717 0.548 0.041 1.000 -0.695 0.784 0.038  Vertical -0.677 -0.756 -0.358 0.816 -0.449 -0.098 -0.695 1.000 -0.694 0.019  Weight 0.814 0.897 0.657 -0.759 0.739 -0.052 0.784 -0.694 1.000 -0.069	40yd 0.824 1.000 0.497 -0.829 0.623 0.082 0.783 -0.756 0.897 -0.102 Bench 0.466 0.497 1.000 -0.425 0.381 -0.109 0.427 -0.358 0.657 -0.075
Bench 0.466 0.497 1.000 -0.425 0.381 -0.109 0.427 -0.358 0.657 -0.075  Broad Jump -0.741 -0.829 -0.425 1.000 -0.438 -0.117 -0.717 0.816 -0.759 0.193  Height 0.523 0.623 0.381 -0.438 1.000 -0.059 0.548 -0.449 0.739 -0.006  Dick 0.060 0.082 -0.109 -0.117 -0.059 1.000 0.041 -0.098 -0.052 -0.030  Shuttle 0.845 0.783 0.427 -0.717 0.548 0.041 1.000 -0.695 0.784 0.038  Vertical -0.677 -0.756 -0.358 0.816 -0.449 -0.098 -0.695 1.000 -0.694 0.019  Weight 0.814 0.897 0.657 -0.759 0.739 -0.052 0.784 -0.694 1.000 -0.069	Bench 0.466 0.497 1.000 -0.425 0.381 -0.109 0.427 -0.358 0.657 -0.075
Broad Jump         -0.741         -0.829         -0.425         1.000         -0.438         -0.117         -0.717         0.816         -0.759         0.193           Height         0.523         0.623         0.381         -0.438         1.000         -0.059         0.548         -0.449         0.739         -0.006           Prick         0.060         0.082         -0.109         -0.117         -0.059         1.000         0.041         -0.098         -0.052         -0.030           Shuttle         0.845         0.783         0.427         -0.717         0.548         0.041         1.000         -0.695         0.784         0.038           Vertical         -0.677         -0.756         -0.358         0.816         -0.449         -0.098         -0.695         1.000         -0.694         0.019           Weight         0.814         0.897         0.657         -0.759         0.739         -0.052         0.784         -0.694         1.000         -0.069	
Height 0.523 0.623 0.381 -0.438 1.000 -0.059 0.548 -0.449 0.739 -0.006  Pick 0.060 0.082 -0.109 -0.117 -0.059 1.000 0.041 -0.098 -0.052 -0.030  Shuttle 0.845 0.783 0.427 -0.717 0.548 0.041 1.000 -0.695 0.784 0.038  Vertical -0.677 -0.756 -0.358 0.816 -0.449 -0.098 -0.695 1.000 -0.694 0.019  Weight 0.814 0.897 0.657 -0.759 0.739 -0.052 0.784 -0.694 1.000 -0.069	Prood lump 0.741 0.920 0.425 1.000 0.429 0.117 0.717 0.916 0.750 0.102
Dick         0.060         0.082         -0.109         -0.117         -0.059         1.000         0.041         -0.098         -0.052         -0.030           Shuttle         0.845         0.783         0.427         -0.717         0.548         0.041         1.000         -0.695         0.784         0.038           Vertical         -0.677         -0.756         -0.358         0.816         -0.449         -0.098         -0.695         1.000         -0.694         0.019           Weight         0.814         0.897         0.657         -0.759         0.739         -0.052         0.784         -0.694         1.000         -0.069	broad Julip -0.741 -0.029 -0.425 1.000 -0.436 -0.117 -0.717 0.010 -0.739 0.133
Shuttle 0.845 0.783 0.427 -0.717 0.548 0.041 1.000 -0.695 0.784 0.038  Vertical -0.677 -0.756 -0.358 0.816 -0.449 -0.098 -0.695 1.000 -0.694 0.019  Weight 0.814 0.897 0.657 -0.759 0.739 -0.052 0.784 -0.694 1.000 -0.069	Height 0.523 0.623 0.381 -0.438 1.000 -0.059 0.548 -0.449 0.739 -0.006
Vertical         -0.677         -0.756         -0.358         0.816         -0.449         -0.098         -0.695         1.000         -0.694         0.019           Weight         0.814         0.897         0.657         -0.759         0.739         -0.052         0.784         -0.694         1.000         -0.069	Pick 0.060 0.082 -0.109 -0.117 -0.059 1.000 0.041 -0.098 -0.052 -0.030
Weight         0.814         0.897         0.657         -0.759         0.739         -0.052         0.784         -0.694         1.000         -0.069	Shuttle 0.845 0.783 0.427 -0.717 0.548 0.041 1.000 -0.695 0.784 0.038
	Vertical -0.677 -0.756 -0.358 0.816 -0.449 -0.098 -0.695 1.000 -0.694 0.019
Year -0.112 -0.102 -0.075 0.193 -0.006 -0.030 0.038 0.019 -0.069 1.000	Weight 0.814 0.897 0.657 -0.759 0.739 -0.052 0.784 -0.694 1.000 -0.069
	Year         -0.112         -0.102         -0.075         0.193         -0.006         -0.030         0.038         0.019         -0.069         1.000

**Figure 4: Bar Chart of Variable Importance Scores** 

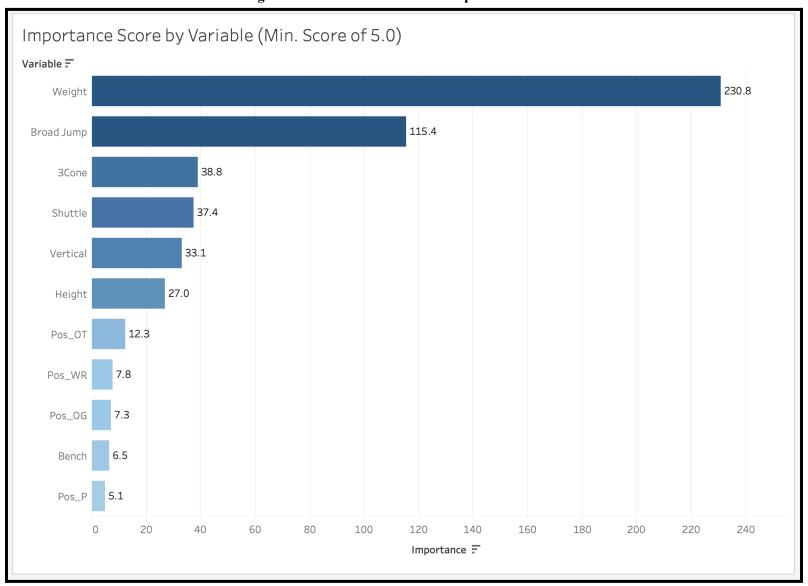
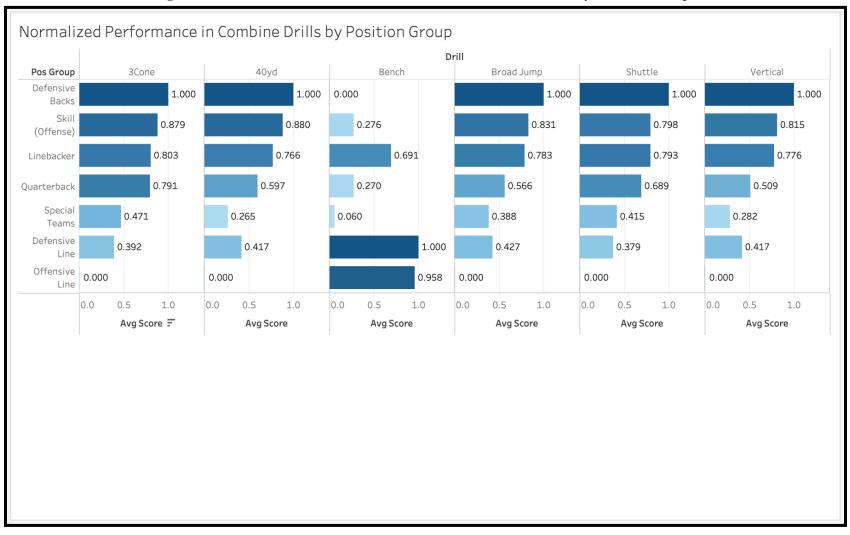


Figure 5: Bar Chart of Normalized Performance in Combine Drills by Position Groups



**Figure 6: Chart of Elite Combine Performers** 

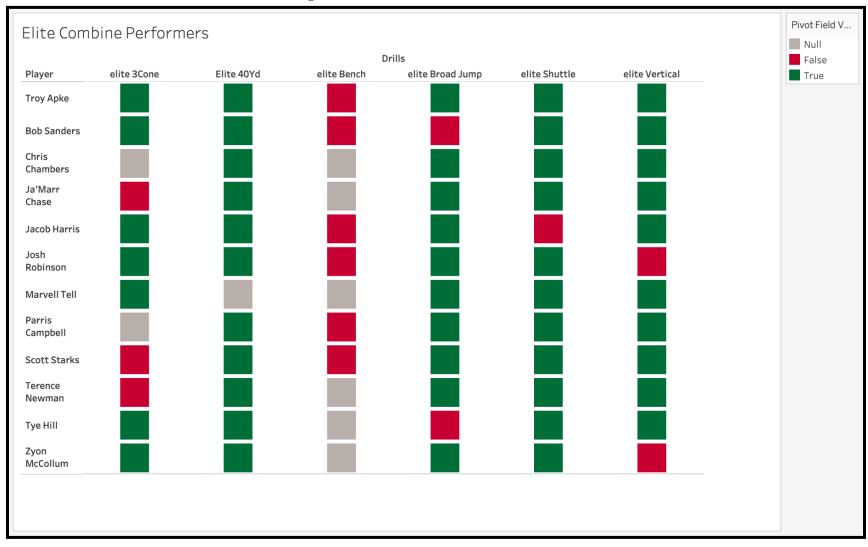


Figure 7: Actual vs Predicted 40-Yard Dash Times by Position Group

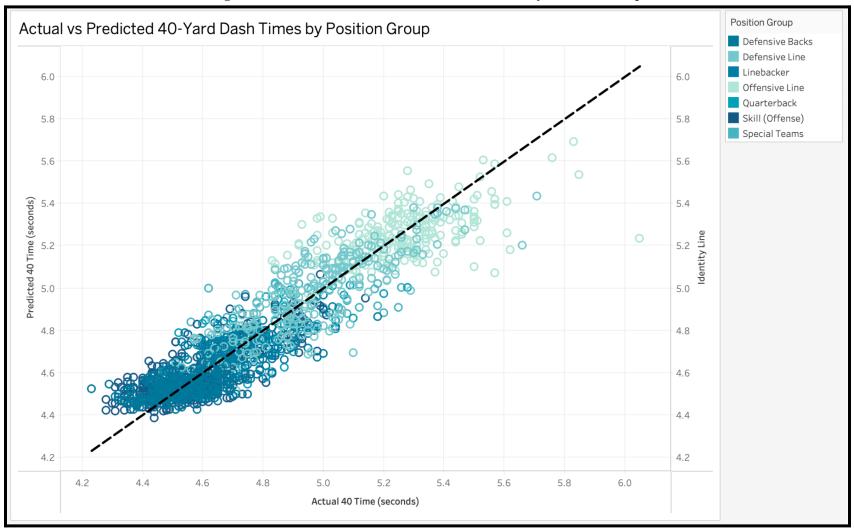


Figure 8: Actual vs Predicted 40-Yard Dash Times by Error

