

Name: _____

Date: _____

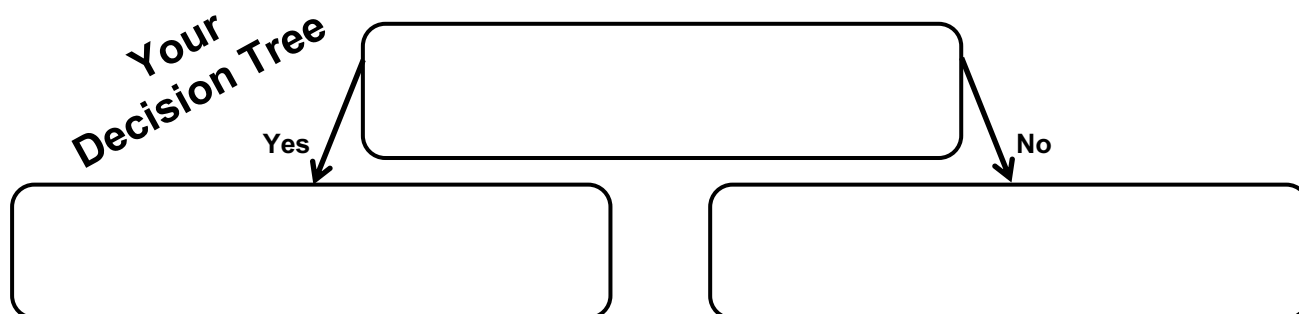
Make Your Own Decision Tree

Directions:

1. Use the **training data** and blank decision tree provided below to create your own classification tree to help separate the NFL players from the USMNT players.
2. Start at the top of the decision tree and write **yes/no questions** in each of the **leaves/boxes**.
3. Continue to draw additional leaves/boxes to either write more questions or to classify a player.
4. Once you have completed your tree, sort the 6 players from the **test data** (on page 2) using your classifications and record them in the data table. Afterwards, your teacher will reveal who each player actually is, and you can determine how many you classified correctly.

Training Data

Team	Player	Height (inches)	Weight (pounds)	Age	League
Carolina	Cam Newton	77	245	26	NFL
Chicago	Sean Johnson	75	217	26	USMNT
Dallas	Matt Cassel	76	230	33	NFL
Dallas	Tony Romo	74	230	35	NFL
Dallas	Matt Hedges	76	190	25	USMNT
Kansas City	Alex Smith	76	216	31	NFL
Kansas City	Matt Besler	72	170	28	USMNT
New England	Tom Brady	76	225	38	NFL
New England	Jermaine Jones	72	179	34	USMNT
Seattle	Russell Wilson	71	206	27	NFL
Seattle	Clint Dempsey	73	170	32	USMNT
Toronto	Michael Bradley	73	179	28	USMNT
Toronto	Jozy Altidore	73	174	26	USMNT
Washington, DC	Robert Griffin III	74	223	25	NFL
Washington, DC	Steve Birnbaum	74	181	28	USMNT



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Testing Data

Team	Player	Height (inches)	Weight (pounds)	Age	League	Correct?
Toronto	Player 1	74	175	28		
New York	Player 2	76	218	34		
New Orleans	Player 3	72	209	36		
Washington, DC	Player 4	72	160	23		
New England	Player 5	68	150	29		