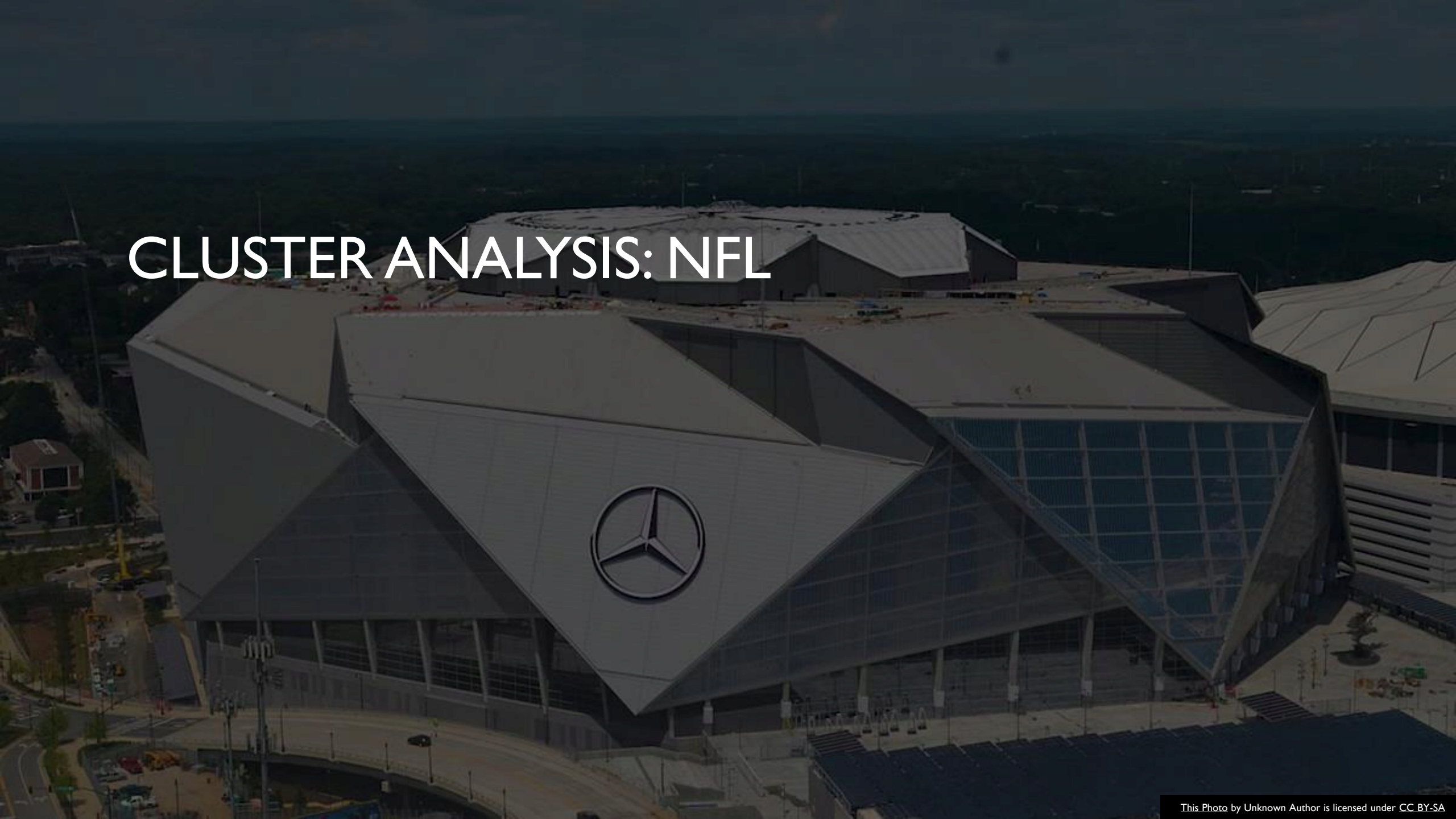


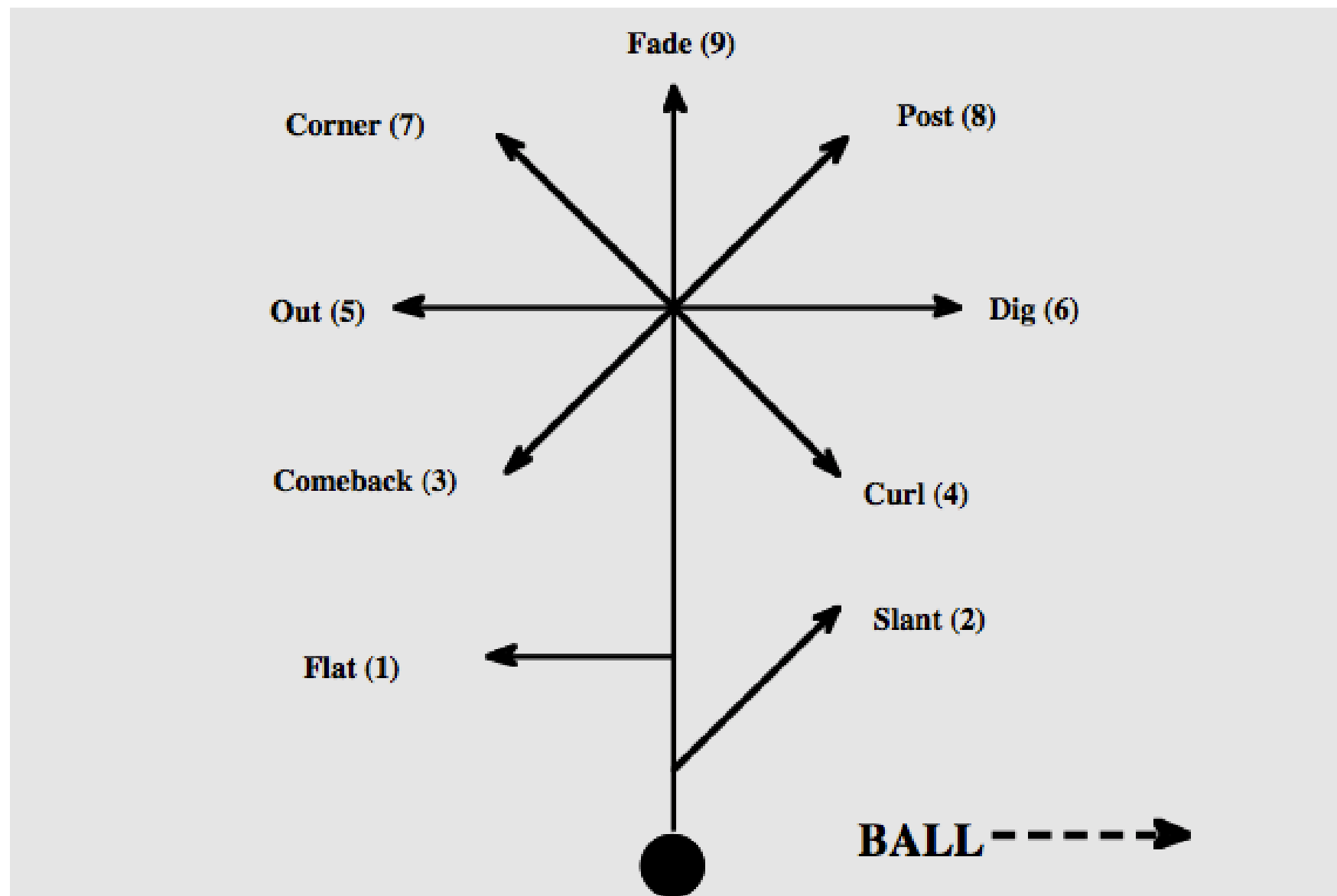
CLUSTER ANALYSIS: NFL





METHODOLOGY

- Dataset: <https://www.pro-football-reference.com/>
- Model Used: TSNE + DBSCAN
- Stats Used: Air Yards, Yards after catch



Will Fuller's 7 TDs in 7 Games on 13 Catches w/ Houston Texans! | NFL 2017 Player Highlights

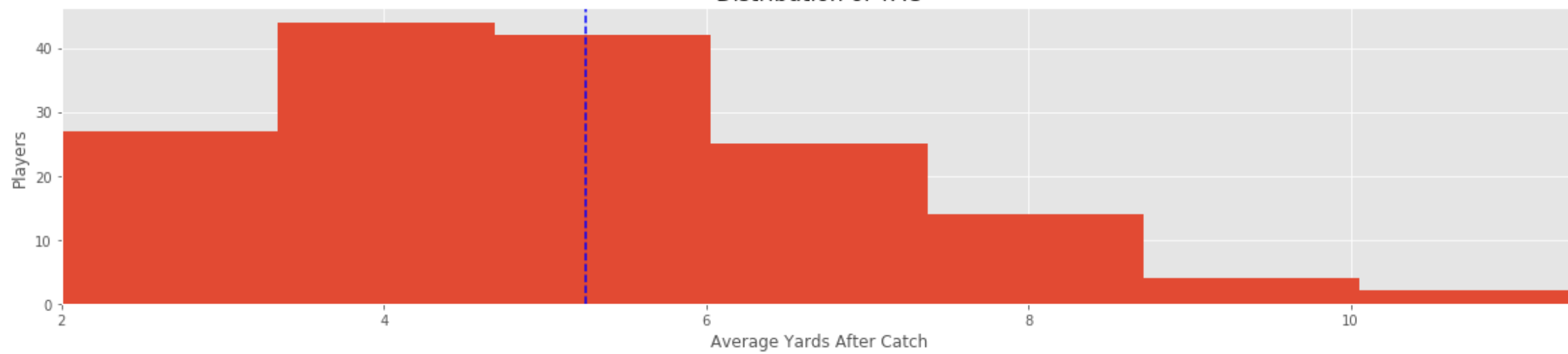


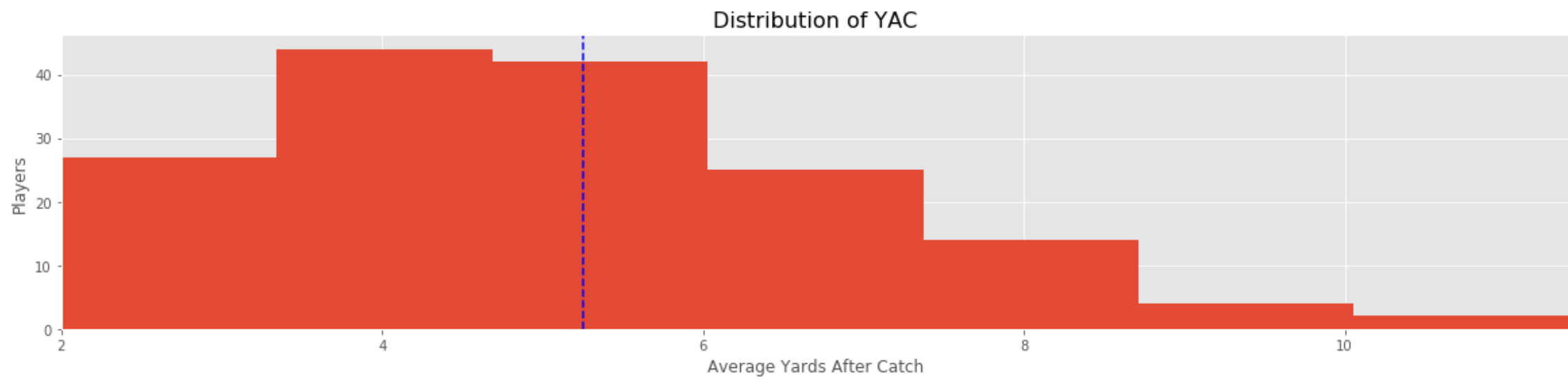
KC 26 HOU 13 4th 12:10 :13 2nd & 6

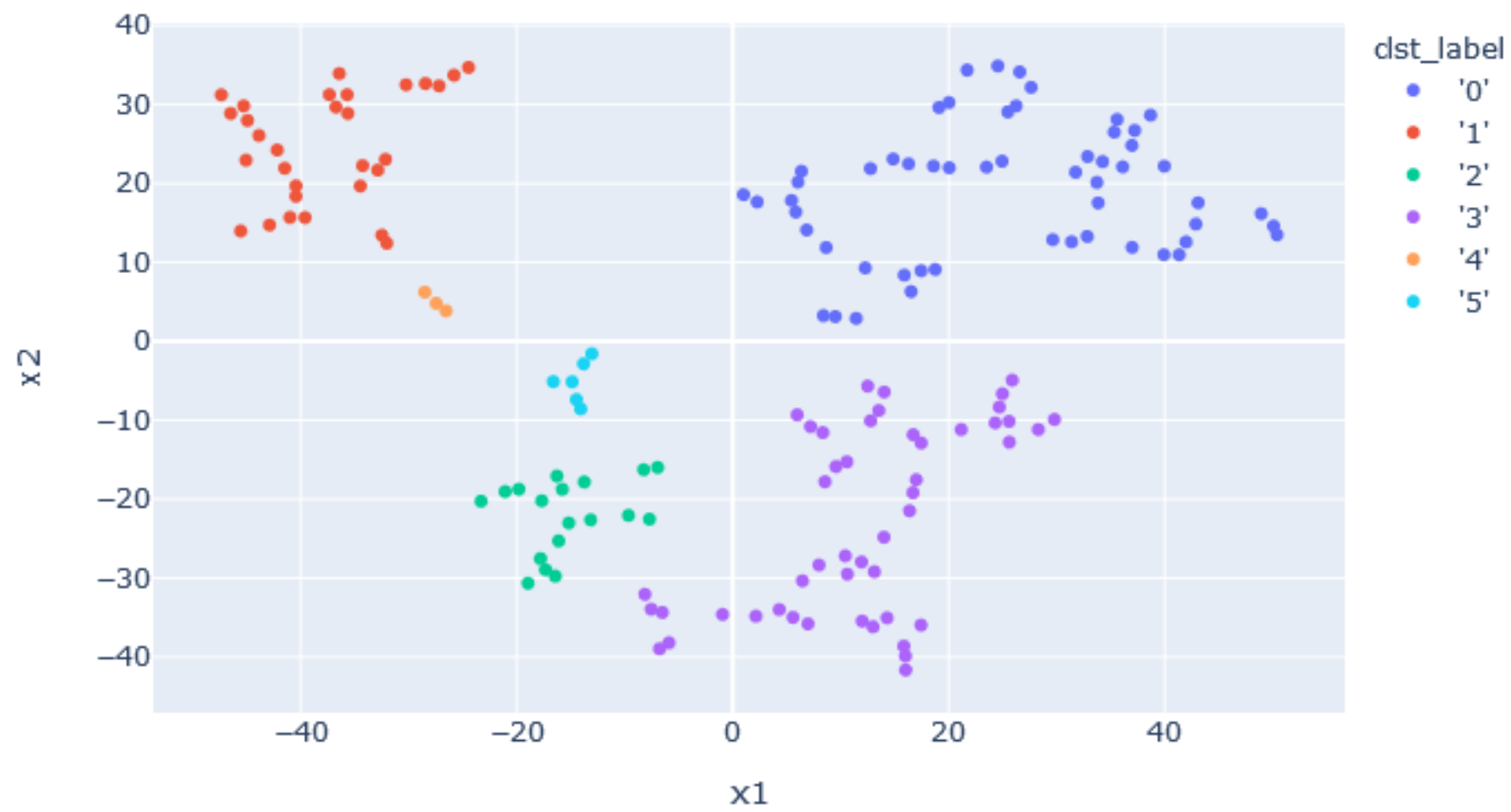
Christian McCaffrey 56 Yard TD | Saints vs. Panthers | NFC Wild Card Game | NFL



Distribution of YAC









CLUSTERS

	screen_pct	intermediatert_pct	shortrt_pct	deeprt_pct	mid_yac_pct	short_yac_pct	explosive_yac_pct
clst_label							
'0'	0.097079	0.326378	0.487922	0.123328	0.099481	0.863358	0.037161
'1'	0.468113	0.018658	0.507838	0.008845	0.243384	0.695137	0.061479
'2'	0.091160	0.196497	0.705757	0.037281	0.152370	0.815334	0.032296
'3'	0.119317	0.214421	0.654176	0.042571	0.096538	0.891867	0.011595
'4'	0.218799	0.163356	0.579725	0.048261	0.206359	0.746732	0.046909
'5'	0.143637	0.115419	0.731580	0.025493	0.079446	0.836310	0.084244



WHAT ELSE CAN BE DONE

- QB Analysis to identify the type of offense
- Route type vs type of defense
- Gameplanning



QUESTIONS