**Excel Data Analysis Project #3 – Benny Cox, Alex Wohlwend, Justin Bernardy**

## Have employee attributes changed over time?

Overall, the average age of players, and height of players has not changed significantly over time. Although overall the average weight for every position has increased. Which is not too surprising since football teams push players to gain weight and compete at a higher-level using exercise science. Other than that most statistics stayed relatively the same.

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## Are certain attributes seemingly desirable by position?

For sure within offensive and defensive positions, depending on how much contact the player has the more the player will weigh on average. For example, the average weight for a defensive lineman in 2019 is around 40lbs higher when compared to 1971. Overall weights did seem to increase for every position as well but not as significantly.

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## Do certain positions skew younger or older?

Kicker positions and Quarter Back positions seem to be older on average and more experienced within 2019, however in 1971 the same is only for Quarter Backs. The positions seem to be a year older and close to 2 years more experienced within the team.

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## Does the company seem to get its employees from particular colleges? Has this changed over time?

In 2019 you can see a shift of players mostly coming from conference schools with big football teams and fans. For example, in 2019, Alabama supplied 55 players which is a extreme high compared to 1979. In 1979 it shows a wider spread of players coming from smaller lesser-known schools, compared to 2019 although big school still contributing highly. This could be likely due to the selection process which has gotten more competitive, and known football schools tend to be scouted more.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| 2019 |  |  | 1979 |  |
| **Row Labels** | **Count** |  | **Row Labels** | **Count** |
| Abilene Christian | 1 |  | Abilene Christian | 1 |
| Air Force | 1 |  | Adams St. | 1 |
| Akron | 4 |  | Alabama | 11 |
| Ala-Birmingham | 3 |  | Alcorn St. | 10 |
| Alabama | 55 |  | Allen | 1 |
| Alabama-Birmingham | 1 |  | Amherst | 1 |
| Albany State (GA) | 1 |  | Appalachian St. | 1 |
| Appalachian St. | 4 |  | Arizona | 6 |
| Appalachian State | 1 |  | Arizona St. | 16 |
| Arizona | 5 |  | Ark-Pine Bluff | 6 |
| Arizona St. | 11 |  | Arkansas | 9 |
| Arizona,Portland St. | 1 |  | Arkansas St. | 1 |
| Ark-Pine Bluff | 2 |  | Auburn | 10 |
| Arkansas | 13 |  | Augustana (IL) | 1 |
| Arkansas St. | 3 |  | Augustana (SD) | 1 |
| Army | 1 |  | Bakersfield JC | 1 |
| Ashland | 1 |  | Ball St. | 1 |
| Assumption | 1 |  | Baylor | 5 |
| Auburn | 25 |  | Bethune-Cookman | 3 |
| Augustana (SD) | 1 |  | Bishop | 3 |
| Azusa Pacific | 1 |  | Bloomsburg | 1 |
| Ball St. | 1 |  | Boston Col. | 7 |
| Baylor | 4 |  | Boston Univ. | 5 |
| Belhaven | 1 |  | Bowling Green | 5 |
| Beloit | 1 |  | Bucknell | 2 |
| Bemidji St. | 1 |  | Buffalo | 1 |
| Bloomsburg | 1 |  | BYU | 4 |
| Boise St. | 10 |  | Cal Poly-San Luis Obispo | 2 |
| Boise State | 1 |  | Cal State-Chico | 1 |
| Boston Col. | 11 |  | California | 5 |
| Boston College | 1 |  | California-Davis | 1 |
| Bowling Green | 1 |  | California-Santa Barbara | 1 |
| Brown | 1 |  | Cameron | 2 |
| Bucknell | 1 |  | Catawba | 2 |
| Buffalo | 1 |  | Central College (IA) | 2 |
| BYU | 8 |  | Central Oklahoma | 1 |
| Cal Poly-San Luis Obispo | 1 |  | Cincinnati | 7 |
| California | 19 |  | Clark (GA) | 1 |
| California (PA) | 4 |  | Clemson | 4 |
| California-Davis | 1 |  | Colgate | 1 |
| Canisius | 1 |  | Colorado | 11 |
| Carson-Newman | 1 |  | Colorado St. | 4 |
| Central Arkansas | 1 |  | Columbia | 1 |
| Central Connecticut St. | 1 |  | Concordia-Moorhead (MN) | 1 |
| Central Florida | 13 |  | Cornell | 1 |
| Central Michigan | 9 |  | Davidson | 1 |
| Central Missouri St. | 1 |  | Dayton | 3 |
| Charleston (WV) | 1 |  | Defiance | 1 |
| Charlotte | 2 |  | Delta St. | 1 |
| Cincinnati | 11 |  | Detroit Mercy | 1 |
| Citadel | 1 |  | Drake | 1 |
| Clemson | 30 |  | Duke | 7 |
| Coastal Carolina | 1 |  | Duke,West Chester | 1 |
| Colorado | 12 |  | East. Michigan | 1 |
| Colorado St. | 7 |  | Edward Waters | 1 |
| Colorado State | 1 |  | Elizabeth City St. | 1 |
| Colorado State-Pueblo | 2 |  | Elon | 1 |
| Concordia-Moorhead (MN) | 1 |  | Emporia St. | 1 |
| Connecticut | 8 |  | Fisk | 2 |
| Coral Gables Senior High | 1 |  | Florida | 9 |
| Cornell | 1 |  | Florida A&M | 9 |
| Delaware | 5 |  | Florida St. | 8 |
| Delaware St. | 1 |  | Fort Valley St. | 1 |
| Duke | 7 |  | Furman | 1 |
| Duke,Georgia | 1 |  | George Washington | 1 |
| East Carolina | 4 |  | Georgia | 10 |
| East Central (OK) | 1 |  | Georgia Tech | 5 |
| East. Illinois | 2 |  | Gettysburg | 1 |
| East. Kentucky | 2 |  | Grambling St. | 24 |
| East. Michigan | 2 |  | Hamline | 1 |
| East. Washington | 5 |  | Harvard | 1 |
| Elon | 1 |  | Hawaii | 1 |
| Ferris St. | 2 |  | Heidelberg | 1 |
| Findlay | 1 |  | Henderson JC | 1 |
| Florida | 33 |  | Hofstra | 2 |
| Florida Atlantic | 6 |  | Holy Cross | 1 |
| Florida International | 2 |  | Houston | 17 |
| Florida St. | 30 |  | Howard Payne | 3 |
| Florida,Louisiana Tech | 1 |  | Humboldt St. | 1 |
| Fordham | 1 |  | Idaho | 2 |
| Fort Hays St. | 1 |  | Idaho St. | 1 |
| Fort Scott (KS),Nebraska | 1 |  | Illinois | 15 |
| Fresno St. | 7 |  | Illinois St. | 1 |
| Furman | 1 |  | Indiana | 11 |
| Georgia | 28 |  | Indiana (PA) | 1 |
| Georgia Southern | 2 |  | Indiana St. | 1 |
| Georgia St. | 3 |  | Iowa | 13 |
| Georgia Tech | 8 |  | Iowa St. | 7 |
| Grambling St. | 2 |  | Jackson St. | 14 |
| Grand Valley St. | 2 |  | Jacksonville St. | 1 |
| Greenville | 1 |  | Johnson C. Smith | 3 |
| Harvard | 7 |  | Kansas | 12 |
| Hawaii | 3 |  | Kansas St. | 10 |
| Hobart | 1 |  | Kent St. | 1 |
| Holy Cross | 1 |  | Kentucky | 8 |
| Houston | 9 |  | Kentucky St. | 1 |
| Howard | 1 |  | La-Monroe | 1 |
| Humboldt St. | 1 |  | Lakeland | 1 |
| Idaho | 4 |  | Lamar | 2 |
| Idaho St. | 1 |  | Langston | 2 |
| Illinois | 12 |  | Lewis & Clark | 1 |
| Illinois St. | 3 |  | Lincoln (MO) | 4 |
| Indiana | 9 |  | Linfield | 1 |
| Indiana St. | 1 |  | Long Beach St. | 3 |
| Iowa | 27 |  | Los Angeles St. | 1 |
| Iowa St. | 4 |  | Louisiana Tech | 3 |
| Jacksonville St. | 2 |  | Louisville | 7 |
| James Madison | 6 |  | LSU | 11 |
| Kansas | 5 |  | Maine | 1 |
| Kansas St. | 10 |  | Marquette | 1 |
| Kent St. | 4 |  | Maryland | 8 |
| Kentucky | 10 |  | Massachusetts | 2 |
| Kentucky Wesleyan | 1 |  | McNeese St. | 1 |
| Kutztown | 1 |  | Md-Eastern Shore | 10 |
| Laval | 1 |  | Memphis | 4 |
| Liberty | 1 |  | Miami (FL) | 10 |
| Limestone | 1 |  | Miami (OH) | 5 |
| Lindenwood | 2 |  | Michigan | 18 |
| Louisiana | 2 |  | Michigan St. | 22 |
| Louisiana Tech | 4 |  | Minnesota | 17 |
| Louisville | 16 |  | Minnesota-Duluth | 1 |
| Lousisiana Tech | 1 |  | Miss. Valley St. | 1 |
| LSU | 34 |  | Mississippi | 12 |
| Maine | 2 |  | Mississippi St. | 4 |
| Malone | 1 |  | Missouri | 13 |
| Manitoba | 1 |  | Montana | 2 |
| Marian | 1 |  | Montana St. | 1 |
| Marist | 1 |  | Morgan St. | 8 |
| Mars Hill | 1 |  | Morris Brown | 2 |
| Marshall | 3 |  | Navy | 1 |
| Maryland | 12 |  | Nebraska | 12 |
| Massachusetts | 3 |  | Nebraska-Kearney | 1 |
| McGill | 1 |  | Nebraska-Omaha | 2 |
| McNeese St. | 1 |  | Nevada | 1 |
| Memphis | 11 |  | New Mex. Highlands | 3 |
| Miami (FL) | 36 |  | New Mexico | 2 |
| Miami (OH) | 1 |  | New Mexico St. | 5 |
| Michigan | 26 |  | none | 6 |
| Michigan St. | 13 |  | Norfolk St. | 3 |
| Middle Tenn. St. | 2 |  | North Carolina | 4 |
| Middle Tennessee St. | 1 |  | North Carolina A&T | 5 |
| Midwestern St. | 1 |  | North Carolina Central | 2 |
| Minnesota | 5 |  | North Carolina St. | 2 |
| Minnesota St. | 2 |  | North Central | 1 |
| Mississippi | 20 |  | North Dakota | 2 |
| Mississippi St. | 19 |  | North Dakota St. | 1 |
| Missouri | 10 |  | North Texas | 10 |
| Missouri Southern | 1 |  | Northern Arizona | 2 |
| Missouri State | 1 |  | Northern Illinois | 1 |
| Missouri Western St. | 1 |  | Northern Michigan | 1 |
| Monmouth (IL) | 1 |  | Northern Virginia CC | 1 |
| Montana | 1 |  | Northwestern | 7 |
| Montana St. | 1 |  | Notre Dame | 28 |
| Montana St.,Montana St. | 1 |  | NW Oklahoma St. | 1 |
| Morgan St. | 1 |  | NW State (LA) | 2 |
| Nebraska | 19 |  | Ohio | 1 |
| Nebraska,Oregon | 1 |  | Ohio St. | 29 |
| Nevada | 5 |  | Oklahoma | 11 |
| New Mexico | 2 |  | Oklahoma St. | 7 |
| New Mexico St. | 2 |  | Oregon | 10 |
| NIU | 1 |  | Oregon St. | 9 |
| none | 1 |  | Ottawa (KS) | 1 |
| North Carolina | 14 |  | Ouachita Baptist | 1 |
| North Carolina A&T | 4 |  | Pacific | 7 |
| North Carolina Central | 1 |  | Palomar College | 1 |
| North Carolina St. | 21 |  | Penn St. | 15 |
| North Carolina St.,South Florida | 1 |  | Philander Smith | 1 |
| North Carolina,Central Florida | 1 |  | Pittsburgh | 7 |
| North Dakota St. | 5 |  | Prairie View | 9 |
| North Texas | 3 |  | Princeton | 2 |
| Northern Illinois | 4 |  | Purdue | 17 |
| Northern Iowa | 2 |  | Rice | 2 |
| Northwestern | 9 |  | Richmond | 4 |
| Notre Dame | 28 |  | S.F. Austin | 3 |
| Ohio | 2 |  | Sam Houston St. | 1 |
| Ohio St. | 45 |  | San Diego | 1 |
| Ohio St.,East. Kentucky | 1 |  | San Diego St. | 11 |
| Oklahoma | 26 |  | San Francisco | 2 |
| Oklahoma St. | 12 |  | San Francisco St. | 1 |
| Old Dominion | 3 |  | San Jose St. | 5 |
| Oregon | 17 |  | Santa Clara | 1 |
| Oregon St. | 9 |  | SE Louisiana | 2 |
| Penn St. | 28 |  | SE Missouri St. | 1 |
| Pennsylvania | 2 |  | SMU | 6 |
| Pennsylvanua | 1 |  | South Carolina | 4 |
| Pittsburg St. | 1 |  | South Carolina St. | 5 |
| Pittsburgh | 15 |  | South Dakota St. | 2 |
| Prairie View A&M | 1 |  | Southern | 16 |
| Presbyterian | 1 |  | Southern Illinois | 3 |
| Princeton | 2 |  | Southern Miss | 4 |
| Purdue | 10 |  | St. Augustine's | 1 |
| Regina (Canada) | 1 |  | St. Norbert | 1 |
| Rice | 6 |  | Stanford | 14 |
| Richmond | 1 |  | Syracuse | 10 |
| Rutgers | 13 |  | Tampa | 1 |
| Sacramento St. | 2 |  | Tarleton St. | 1 |
| Saginaw Valley St. | 1 |  | TCU | 8 |
| Sam Houston St. | 4 |  | Temple | 2 |
| Samford | 4 |  | Tennessee | 15 |
| San Diego | 2 |  | Tennessee St. | 14 |
| San Diego St. | 5 |  | Tennessee Tech | 3 |
| San Jose St. | 7 |  | Texas | 18 |
| SE Missouri St. | 1 |  | Texas A&M | 14 |
| Sioux Falls | 2 |  | Texas A&M-Commerce | 4 |
| SMU | 10 |  | Texas A&M-Kingsville | 6 |
| South Alabama | 2 |  | Texas Southern | 13 |
| South Carolina | 20 |  | Texas St. | 1 |
| South Carolina St. | 4 |  | Texas Tech | 5 |
| South Dakota | 1 |  | Texas-Arlington | 4 |
| South Dakota St. | 4 |  | Texas-El Paso | 7 |
| South Florida | 7 |  | Texas,Texas St. | 1 |
| Southern Arkansas | 1 |  | The Citadel | 1 |
| Southern Illinois | 2 |  | Toledo | 4 |
| Southern Miss | 11 |  | Trinity (TX) | 2 |
| Southern Oregon | 1 |  | Troy | 1 |
| Southern Utah | 2 |  | Tulane | 7 |
| Stanford | 27 |  | Tulsa | 7 |
| Stetson | 1 |  | Tuskegee | 1 |
| Syracuse | 4 |  | UCLA | 13 |
| Tarleton St. | 1 |  | Upper Iowa | 1 |
| TCU | 12 |  | USC | 34 |
| Temple | 16 |  | Utah | 10 |
| Tenn-Chattanooga | 3 |  | Utah St. | 13 |
| Tennessee | 23 |  | Vanderbilt | 1 |
| Tennessee Chattanooga | 1 |  | Villanova | 3 |
| Tennessee St. | 1 |  | Virginia | 4 |
| Tennessee,Marshall | 1 |  | Virginia St. | 1 |
| Texas | 20 |  | Virginia Tech | 1 |
| Texas A&M | 27 |  | Virginia Union | 2 |
| Texas A&M,Houston | 1 |  | Wagner | 1 |
| Texas St. | 2 |  | Wake Forest | 3 |
| Texas Tech | 10 |  | Washington | 16 |
| Texas-El Paso | 4 |  | Washington (MD) | 1 |
| Texas-San Antonio | 3 |  | Washington St. | 1 |
| Texas,SMU | 1 |  | Wayne State (NE) | 1 |
| The Citadel | 1 |  | Waynesburg | 1 |
| Toledo | 8 |  | Weber St. | 6 |
| Towson | 1 |  | West Texas A&M | 7 |
| Troy | 2 |  | West Virginia | 6 |
| Tulane | 5 |  | West. Illinois | 1 |
| Tulsa | 1 |  | West. Michigan | 5 |
| UC Davis | 1 |  | Western Kentucky | 1 |
| UC Irvine | 1 |  | Whittier | 1 |
| UCLA | 23 |  | Wichita St. | 5 |
| UNLV | 2 |  | William Penn | 1 |
| USC | 26 |  | Williams | 1 |
| Utah | 12 |  | Wisconsin | 14 |
| Utah St. | 9 |  | Wisconsin Superior | 1 |
| Utah,Baylor | 1 |  | Wyoming | 9 |
| Valdosta St. | 1 |  | Xavier (OH) | 2 |
| Vanderbilt | 10 |  | Yale | 1 |
| VCU | 1 |  | Yankton | 1 |
| Villanova | 3 |  | Youngstown St. | 1 |
| Virginia | 13 |  | **Grand Total** | **1209** |
| Virginia Tech | 12 |  |  |  |
| Wagner | 1 |  |  |  |
| Wake Forest | 5 |  |  |  |
| Washburn | 1 |  |  |  |
| Washington | 23 |  |  |  |
| Washington St. | 9 |  |  |  |
| Weber St. | 1 |  |  |  |
| Wesley | 1 |  |  |  |
| West Alabama | 5 |  |  |  |
| West Georgia | 2 |  |  |  |
| West Texas A&M | 1 |  |  |  |
| West Virginia | 17 |  |  |  |
| West. Carolina | 1 |  |  |  |
| West. Illinois | 1 |  |  |  |
| West. Michigan | 3 |  |  |  |
| Western Kentucky | 6 |  |  |  |
| Western Oregon | 1 |  |  |  |
| Western St. (CO) | 1 |  |  |  |
| William & Mary | 3 |  |  |  |
| William Penn | 1 |  |  |  |
| Wisconsin | 24 |  |  |  |
| Wisconsin Whitewater | 1 |  |  |  |
| Wisconsin-Milwaukee | 1 |  |  |  |
| Wisconsin-Platteville | 1 |  |  |  |
| Wisconsin-Whitewater | 1 |  |  |  |
| Wyoming | 10 |  |  |  |
| Yale | 2 |  |  |  |
| Youngstown St. | 1 |  |  |  |
| **Grand Total** | **1670** |  |  |  |