# Querido estudiante,

#

#Bienvenido al mundo de los datos del Basketball!

#Estoy seguro de que vas a disfrutar esta sección del curso de Programación en Python

#

#Instrucciones para este set de datos:

#Simplemente copia TODAS las líneas en este archivo presionando

#CTRL+A en Windows o CMND+A en Mac, pega en un Jupyter Notebook y corre la celda del Jupyter Notebook

#Una vez que hayas ejecutado los comandos, los siguientes objetos serán creados:

#Matrices:

# - sueldo

# - juegos

# - minutos\_jugados

# - tiros\_anotados

# - tiros\_intentados

# - puntos

# Listas:

# - jugadores

# - temporadas

# Diccionarios (este concepto lo vamos a aprender durante la sección):

# - dic\_temp

# - dic\_jug

#

# Sinceramente

# Diego López

#www.superdatascience.com

#

#Copyright: Estos sets de datos fueron creados usando información disponible al público

# Sin embargo, estos scripts están protegidos por leyes de Derecho de Autor

# Si deseas usar este script de Python fuera del curso de Programación en Python,

# creado por Kirill Eremenko, lo puedes hacer siempre y cuando hagas referencia a

# www.superdatascience.com en tu trabajo

#

#Comentarios:

#Las temporadas están etiquetadas con el primer año de la temporada

#Ejemplo: la temporada 2012-2013 es presentada como 2012

#

# Notas adicionales:

#Kevin Durant: 2006 - Datos de temporada universitaria

#Kevin Durant: 2005 – Creada con datos del 2006

#Derrick Rose: 2012 – No jugó

#Derrick Rose: 2007 - Datos de temporada universitaria

#Derrick Rose: 2006 – Creada con datos de temporada 2007

#Derrick Rose: 2005 – Creada con datos de temporada 2007

#Importar numpy

import numpy as np

#Temporadas

temporadas = ["2005","2006","2007","2008","2009","2010","2011","2012","2013","2014"]

dic\_temp = {"2005":0,"2006":1,"2007":2,"2008":3,"2009":4,"2010":5,"2011":6,"2012":7,"2013":8,"2014":9}

#Jugadores

jugadores = ["KobeBryant","JoeJohnson","LeBronJames","CarmeloAnthony","DwightHoward","ChrisBosh","ChrisPaul","KevinDurant","DerrickRose","DwayneWade"]

dic\_jug = {"KobeBryant":0,"JoeJohnson":1,"LeBronJames":2,"CarmeloAnthony":3,"DwightHoward":4,"ChrisBosh":5,"ChrisPaul":6,"KevinDurant":7,"DerrickRose":8,"DwayneWade":9}

#Sueldo

KobeBryant\_sueldo = [15946875,17718750,19490625,21262500,23034375,24806250,25244493,27849149,30453805,23500000]

JoeJohnson\_sueldo = [12000000,12744189,13488377,14232567,14976754,16324500,18038573,19752645,21466718,23180790]

LeBronJames\_sueldo = [4621800,5828090,13041250,14410581,15779912,14500000,16022500,17545000,19067500,20644400]

CarmeloAnthony\_sueldo = [3713640,4694041,13041250,14410581,15779912,17149243,18518574,19450000,22407474,22458000]

DwightHoward\_sueldo = [4493160,4806720,6061274,13758000,15202590,16647180,18091770,19536360,20513178,21436271]

ChrisBosh\_sueldo = [3348000,4235220,12455000,14410581,15779912,14500000,16022500,17545000,19067500,20644400]

ChrisPaul\_sueldo = [3144240,3380160,3615960,4574189,13520500,14940153,16359805,17779458,18668431,20068563]

KevinDurant\_sueldo = [0,0,4171200,4484040,4796880,6053663,15506632,16669630,17832627,18995624]

DerrickRose\_sueldo = [0,0,0,4822800,5184480,5546160,6993708,16402500,17632688,18862875]

DwayneWade\_sueldo = [3031920,3841443,13041250,14410581,15779912,14200000,15691000,17182000,18673000,15000000]

#Matriz

sueldo = np.array([KobeBryant\_sueldo, JoeJohnson\_sueldo, LeBronJames\_sueldo, CarmeloAnthony\_sueldo, DwightHoward\_sueldo, ChrisBosh\_sueldo, ChrisPaul\_sueldo, KevinDurant\_sueldo, DerrickRose\_sueldo, DwayneWade\_sueldo])

#Juegos

KobeBryant\_j = [80,77,82,82,73,82,58,78,6,35]

JoeJohnson\_j = [82,57,82,79,76,72,60,72,79,80]

LeBronJames\_j = [79,78,75,81,76,79,62,76,77,69]

CarmeloAnthony\_j = [80,65,77,66,69,77,55,67,77,40]

DwightHoward\_j = [82,82,82,79,82,78,54,76,71,41]

ChrisBosh\_j = [70,69,67,77,70,77,57,74,79,44]

ChrisPaul\_j = [78,64,80,78,45,80,60,70,62,82]

KevinDurant\_j = [35,35,80,74,82,78,66,81,81,27]

DerrickRose\_j = [40,40,40,81,78,81,39,0,10,51]

DwayneWade\_j = [75,51,51,79,77,76,49,69,54,62]

#Matrix

juegos = np.array([KobeBryant\_j, JoeJohnson\_j, LeBronJames\_j, CarmeloAnthony\_j, DwightHoward\_j, ChrisBosh\_j, ChrisPaul\_j, KevinDurant\_j, DerrickRose\_j, DwayneWade\_j])

#Minutos Jugados

KobeBryant\_mj = [3277,3140,3192,2960,2835,2779,2232,3013,177,1207]

JoeJohnson\_mj = [3340,2359,3343,3124,2886,2554,2127,2642,2575,2791]

LeBronJames\_mj = [3361,3190,3027,3054,2966,3063,2326,2877,2902,2493]

CarmeloAnthony\_mj = [2941,2486,2806,2277,2634,2751,1876,2482,2982,1428]

DwightHoward\_mj = [3021,3023,3088,2821,2843,2935,2070,2722,2396,1223]

ChrisBosh\_mj = [2751,2658,2425,2928,2526,2795,2007,2454,2531,1556]

ChrisPaul\_mj = [2808,2353,3006,3002,1712,2880,2181,2335,2171,2857]

KevinDurant\_mj = [1255,1255,2768,2885,3239,3038,2546,3119,3122,913]

DerrickRose\_mj = [1168,1168,1168,3000,2871,3026,1375,0,311,1530]

DwayneWade\_mj = [2892,1931,1954,3048,2792,2823,1625,2391,1775,1971]

#Matriz

minutos\_jugados = np.array([KobeBryant\_mj, JoeJohnson\_mj, LeBronJames\_mj, CarmeloAnthony\_mj, DwightHoward\_mj, ChrisBosh\_mj, ChrisPaul\_mj, KevinDurant\_mj, DerrickRose\_mj, DwayneWade\_mj])

#Tiros Anotados

KobeBryant\_ta = [978,813,775,800,716,740,574,738,31,266]

JoeJohnson\_ta = [632,536,647,620,635,514,423,445,462,446]

LeBronJames\_ta = [875,772,794,789,768,758,621,765,767,624]

CarmeloAnthony\_ta = [756,691,728,535,688,684,441,669,743,358]

DwightHoward\_ta = [468,526,583,560,510,619,416,470,473,251]

ChrisBosh\_ta = [549,543,507,615,600,524,393,485,492,343]

ChrisPaul\_ta = [407,381,630,631,314,430,425,412,406,568]

KevinDurant\_ta = [306,306,587,661,794,711,643,731,849,238]

DerrickRose\_ta = [208,208,208,574,672,711,302,0,58,338]

DwayneWade\_ta = [699,472,439,854,719,692,416,569,415,509]

#Matriz

tiros\_anotados = np.array([KobeBryant\_ta, JoeJohnson\_ta, LeBronJames\_ta, CarmeloAnthony\_ta, DwightHoward\_ta, ChrisBosh\_ta, ChrisPaul\_ta, KevinDurant\_ta, DerrickRose\_ta, DwayneWade\_ta])

#Tiros Intentados

KobeBryant\_ti = [2173,1757,1690,1712,1569,1639,1336,1595,73,713]

JoeJohnson\_ti = [1395,1139,1497,1420,1386,1161,931,1052,1018,1025]

LeBronJames\_ti = [1823,1621,1642,1613,1528,1485,1169,1354,1353,1279]

CarmeloAnthony\_ti = [1572,1453,1481,1207,1502,1503,1025,1489,1643,806]

DwightHoward\_ti = [881,873,974,979,834,1044,726,813,800,423]

ChrisBosh\_ti = [1087,1094,1027,1263,1158,1056,807,907,953,745]

ChrisPaul\_ti = [947,871,1291,1255,637,928,890,856,870,1170]

KevinDurant\_ti = [647,647,1366,1390,1668,1538,1297,1433,1688,467]

DerrickRose\_ti = [436,436,436,1208,1373,1597,695,0,164,835]

DwayneWade\_ti = [1413,962,937,1739,1511,1384,837,1093,761,1084]

#Matriz

tiros\_intentados = np.array([KobeBryant\_ti, JoeJohnson\_ti, LeBronJames\_ti, CarmeloAnthony\_ti, DwightHoward\_ti, ChrisBosh\_ti, ChrisPaul\_ti, KevinDurant\_ti, DerrickRose\_ti, DwayneWade\_ti])

#Puntos

KobeBryant\_puntos = [2832,2430,2323,2201,1970,2078,1616,2133,83,782]

JoeJohnson\_puntos = [1653,1426,1779,1688,1619,1312,1129,1170,1245,1154]

LeBronJames\_puntos = [2478,2132,2250,2304,2258,2111,1683,2036,2089,1743]

CarmeloAnthony\_puntos = [2122,1881,1978,1504,1943,1970,1245,1920,2112,966]

DwightHoward\_puntos = [1292,1443,1695,1624,1503,1784,1113,1296,1297,646]

ChrisBosh\_puntos = [1572,1561,1496,1746,1678,1438,1025,1232,1281,928]

ChrisPaul\_puntos = [1258,1104,1684,1781,841,1268,1189,1186,1185,1564]

KevinDurant\_puntos = [903,903,1624,1871,2472,2161,1850,2280,2593,686]

DerrickRose\_puntos = [597,597,597,1361,1619,2026,852,0,159,904]

DwayneWade\_puntos = [2040,1397,1254,2386,2045,1941,1082,1463,1028,1331]

#Matriz

puntos = np.array([KobeBryant\_puntos, JoeJohnson\_puntos, LeBronJames\_puntos, CarmeloAnthony\_puntos, DwightHoward\_puntos, ChrisBosh\_puntos, ChrisPaul\_puntos, KevinDurant\_puntos, DerrickRose\_puntos, DwayneWade\_puntos])