GROUP 7 Project Analysis/ Dax Formulas

(Jeffrey Pulinat, Thanushan Varatharajah, Jonathon Yu, Qiman Wang)

PlayersMaster (Jonathon Yu, Jeffrey Pulinat)
BirthYear=IF(MID([birthDate],1,4)="0000", BLANK(), MID([birthDate],1,4))
BirthMonth=IF(MID([birthDate],6,2)="00", BLANK(),MID([birthDate],6,2))
BirthDay=IF(MID([birthDate],9,2)="00", BLANK(),MID([birthDate],9,2))
BirthDATEtype=DATE([BirthYear],[BirthMonth],[BirthDay])
deathDATEtype=DATE(
        IF(MID([deathDate],1,4)="0000",BLANK(),MID([deathDate],1,4)),
        IF(MID([deathDate],6,2)="00", BLANK(),MID([deathDate],6,2)),
        IF(MID([deathDate],9,2)="00", BLANK(),MID([deathDate],9,2)))

Avg height := AVERAGEX(PlayerMaster, PlayerMaster[height])
Max height := MAX(PlayerMaster[height])
Min height := MIN(PlayerMaster[height])
Avg weight := AVERAGEX(PlayerMaster, PlayerMaster[weight])
Max weight := MAX(PlayerMaster[weight])
Min weight := MIN(PlayerMaster[weight])

==More Player stats measures in Players==

Player Awards (Jonathan Yu)
Number of Awards Given := COUNTROWS(PlayerAwards)
Earliest Award Year := MIN(PlayerAwards[year])
Oldest Award Year := MAX(PlayerAwards[year])

==More award measures in Players==

Players (Qiman Wang, Jeffrey Pulinat)

Awards Given to Player=COUNTROWS(RELATEDTABLE(PlayerAwards))
Max Awards Received:=MAX([Awards Given to Player])

Free Throw Percentage(All Players):=(SUM(Players[ftMade]))/(SUM(players[ftAttempted])))
Max Points a Year :=MAX((Players[points]))
Max Rebounds a Year :=MAX((Players[rebounds]))
Max Assists a Year :=MAX(Players[assists])
Max Steals a Year :=MAX(Players[steals])
Max Blocks a Year :=MAX(Players[blocks])
Max Turnover a Year := MAX(Players[turnovers])

Career Points=CALCULATE(SUM(Players[points]), RELATEDTABLE(Players))

Career Rebounds=CALCULATE(SUM(Players[rebounds]), RELATEDTABLE(Players))
Career Steals=CALCULATE(SUM(Players[steals]), RELATEDTABLE(Players))
Career Assists=CALCULATE(SUM(Players[assists]), RELATEDTABLE(Players))
Career Blocks=CALCULATE(SUM(Players[blocks]), RELATEDTABLE(Players))
Career Turnovers=CALCULATE(SUM(Players[turnovers]), RELATEDTABLE(Players))

Max Career Points:=MAX([Career Points])
Max Career Rebounds:=MAX([Career Rebounds])
Max Career Steals:=MAX([Career Steals])
Max Career Assists:=MAX([Career Assists])
Max Career Turnovers:=MAX([Career Turnovers])

Teams(Thanuhshan)

Total PlayOffs Made = COUNTROWS(CALCULATETABLE(TeamsInfo, TeamsInfo[playoff] = "Y"))
Total SemiFinals Won = COUNTROWS(CALCULATETABLE(TeamsInfo, TeamsInfo[semis] = "W"))
Total SemiFinals lost = COUNTROWS(CALCULATETABLE(TeamsInfo, TeamsInfo[semis] = "L"))
Total Finals Won = COUNTROWS(CALCULATETABLE(TeamsInfo, TeamsInfo[finals] = "W"))
Total Finals Lost= COUNTROWS(CALCULATETABLE(TeamsInfo, TeamsInfo[finals] = "L"))
Total Games Won = SUMX(RELATEDTABLE(TeamsInfo), TeamsInfo[won])
Total Games Lost = SUMX(RELATEDTABLE(TeamsInfo), TeamsInfo[lost])

Max Playoffs Made:=MAX(Teams[Total PlayOffs])
Max SemiFinals Won:=MAX(Teams[Total SemiFinals Won])
Max SemiFinals Lost:=MAX(Teams[Total SemiFinals Lost])
Max Finals Won:=MAX(Teams[Total Finals Won])
Max Finals Lost:=MAX(Teams[Total Finals Lost])
Max Total Won :=MAX(Teams[Total Wons])
Max Total Lost :=MAX(Teams[Total Lost])

Coach (Qiman Wang, Jeffrey Pulinat)
YearsCoached=COUNTROWS(RELATEDTABLE(CoachInfo))
Most Years Coached:=MAX(Coaches[YearsCoached])

Total Games Won =SUMX(RELATEDTABLE(CoachInfo),CoachInfo[won])
Most Games Won:=MAX(Coaches[Total Games Won])

Total Games Lost =SUMX(RELATEDTABLE(CoachInfo),CoachInfo[lost])
Most Games Lost:=MAX(Coaches[Total Games Lost])

CoachInfo (Qiman Wang)
Most Games Won in a Season:=MAX([won])
Most Games Lost in a Season:=MAX([lost])