Project\_1.0.2

What did the Montgomery College student body look like in the fall of 2015? How did Montgomery College students compare to Montgomery County in the fall of 2015?

library(dplyr) #Load library for analysis

##   
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':  
##   
## filter, lag

## The following objects are masked from 'package:base':  
##   
## intersect, setdiff, setequal, union

# 

Data for the college is available at <https://data.montgomerycountymd.gov/Education/Montgomery-College-Enrollment-Data/wmr2-6hn6/data> Demographic data is available at <https://datausa.io/profile/geo/montgomery-county-md/#economy> For this example, downloaded the data in csv format and loaded it to my machine. If you use this, be sure to export the data to your machine and updated the noted directory. #

mcData <- read.csv(file="https://raw.githubusercontent.com/TimSrenaski/DATA101/master/Project\_1/Montgomery\_College\_Enrollment\_Data.csv", header=TRUE, sep=",") #<-----Update with personal directory  
countyRaceData <- read.csv(file="https://github.com/TimSrenaski/DATA101/blob/master/Project\_1/datausa\_race.csv", header=TRUE, sep=",") #<-----Update with personal directory

## Warning in scan(file = file, what = what, sep = sep, quote = quote, dec =  
## dec, : EOF within quoted string

countyOccData <- read.csv(file="C:/Users/timsr/OneDrive/Documents/R/DATA\_101/datausa\_occupations.csv", header=TRUE, sep=",") #<-----Update with personal directory

What are the column names in the college data?

colnames(mcData)

## [1] "Fall.Term" "Student.Type"   
## [3] "Student.Status" "Gender"   
## [5] "Ethnicity" "Race"   
## [7] "Attending.Germantown" "Attending.Rockville"   
## [9] "Attending.Takoma.Park.SS" "Attend.Day.or.Evening"   
## [11] "MC.Program.Description" "Age.Group"   
## [13] "HS.Category" "MCPS.High.School"   
## [15] "City.in.MD" "State"   
## [17] "ZIP" "County.in.MD"

Is the data clean?

unique(mcData$Fall.Term)

## [1] 2015

unique(mcData$Student.Type)

## [1] Continuing New Transfer no degree   
## [4] HS Student Transfer with degree Transfer   
## [7] New/No HS   
## 7 Levels: Continuing HS Student New New/No HS ... Transfer with degree

unique(mcData$Student.Status)

## [1] Full-Time Part-Time  
## Levels: Full-Time Part-Time

unique(mcData$Gender)

## [1] Female Male Unknown  
## Levels: Female Male Unknown

unique(mcData$Ethnicity)

## [1] Not Hispanic Hispanic Unknown   
## Levels: Hispanic Not Hispanic Unknown

unique(mcData$Race)

## [1] White Black Asian Hispanic   
## [5] Pacific Islander Multi-Race Native American Unknown   
## 8 Levels: Asian Black Hispanic Multi-Race ... White

unique(mcData$Attending.Germantown)

## [1] Yes No   
## Levels: No Yes

unique(mcData$Attending.Rockville)

## [1] Yes No   
## Levels: No Yes

unique(mcData$Attending.Takoma.Park.SS)

## [1] No Yes  
## Levels: No Yes

unique(mcData$Attend.Day.or.Evening)

## [1] Day Only Evening Only   
## [3] Day & Evening No Specific Time[online]  
## 4 Levels: Day & Evening Day Only ... No Specific Time[online]

unique(mcData$MC.Program.Description)

## [1] Health Sciences (Pre-Clinical Studies)   
## [2] Building Trades Technology (AA & AAS)   
## [3] Computer Gaming & Simulation (AA - All Tracks)   
## [4] Graphic Design (AA, AAS, & AFA - All Tracks)   
## [5] General Studies (AA - All Tracks)   
## [6] Engineering Science (AA & AS - All Tracks)   
## [7] Education / Teacher Education (AA & AAT)   
## [8] Business / International Business (AA)   
## [9] Computer Science & Technologies (AA - All Tracks)   
## [10] Criminal Justice (AA & AAS)   
## [11] Diagnostic Medical Sonography (AA & AAS)   
## [12] Arts & Sciences Transfer (AA - All Tracks)   
## [13] Credit (Undeclared / Undecided)   
## [14] Science (AS - All Tracks)   
## [15] Accounting (AA & AAS)   
## [16] Building Trades Technology (CT)   
## [17] Photography (AA & AAS)   
## [18] Computer Science - Computer Programming (CT)   
## [19] School of Art & Design - Applicants   
## [20] Early Childhood Education (AA & AAS)   
## [21] Communication Studies (AA)   
## [22] Commun & Broadcasting Tech (CT)   
## [23] Management of Construction (CT)   
## [24] Commun & Broadcasting Tech (AA & AAS - All Tracks)  
## [25] Nursing (AA & AAS)   
## [26] Early Childhood Education (CT)   
## [27] Cybersecurity (AAS)   
## [28] Computer Applications (CT)   
## [29] Mental Health Associate (AA & AAS)   
## [30] Interior Design - PreProfessional (AAS)   
## [31] Automotive Technology (AA & AAS)   
## [32] Paralegal Studies (AA & AAS)   
## [33] Polysomnography Technology (CT)   
## [34] Accounting (CT)   
## [35] Management (CT)   
## [36] Microcomputer Technician (AA & AAS)   
## [37] Hospitality Management (AA & AAS)   
## [38] Fire Sci./Preven., Emerg. Prepare. (AA, AS & AAS)   
## [39] Architectural & Construction Tech (AA & AAS)   
## [40] Digital Media & Web Technology (AAS)   
## [41] Studio Art (AFA) - School of Art & Design   
## [42] Biotechnology (AA & AAS)   
## [43] Health Information Management (AA & AAS)   
## [44] Specialized Art Transfer (CT)   
## [45] Photography (CT)   
## [46] Automotive Technology (CT)   
## [47] WIA (CE) Programs   
## [48] Radiologic (X-Ray) Technology (AA & AAS)   
## [49] Computer Applications (AA & AAS)   
## [50] Music Transfer (CT)   
## [51] Graphic Design (AFA) - School of Art & Design   
## [52] Studio Art (AFA)   
## [53] American Sign Language (AA & AAS)   
## [54] Arts & Sciences Transfer (CT)   
## [55] Digital Media & Web Technology (CT)   
## [56] Microcomputer Technician (CT)   
## [57] Applied Geography (AA & AAS)   
## [58] Biotechnology (CT)   
## [59] Physical Therapist Assistant (AAS)   
## [60] Early Childhood Education (LR)   
## [61] Hospitality Management (CT)   
## [62] Interior Design (CT)   
## [63] Architect. & Construct. Tech - Sustainability (LR)  
## [64] Cybersecurity (CT)   
## [65] Technical Writing (CT)   
## [66] Information Systems Secirity   
## [67] Diagnostic Medical Sonography (CT)   
## [68] Computer Graphics / Graphic Design (CT)   
## [69] Computer Graphics / Graphic Design (AAS)   
## [70] Hospitality Management (LR)   
## [71] Paralegal Studies (CT)   
## [72] Network & Wireless Technologies (CT)   
## [73] Paralegal Studies - Legal Analysis (LR)   
## [74] Landscape Technology (AA & AAS)   
## [75] Network Engineer/Administration (CT)   
## [76] Building Trades Technology (LR)   
## [77] Landscape Technology (CT)   
## [78] Management (AA & AAS - All Tracks)   
## [79] Surgical Technologist (AAS)   
## [80] Cartography & Geographic Ed / Info Sys (CT)   
## [81] American Sign Language (CT)   
## [82] Exercise Sci - Personal Trainer (LR)   
## [83] Women's Studies (CT)   
## [84] Fire Sci./Preven., Emergency Prepare. (CT)   
## [85] Ethnic Studies (CT)   
## [86] Fire Science (LR)   
## [87] Eng Technologies (AA & AAS - Discontinued)   
## [88] Management (LR)   
## [89] Exercise Sci - Personal Trainer (CT)   
## [90] Administrative Support Tech (CT)   
## [91] Ethnic Social Studies (LR)   
## [92] Printing Management (AA & AAS)   
## [93] Recreation Leadership (AA)   
## [94] Medical Coder/Abstractr/Biller (CT)   
## [95] Electromechanical Sys Eng Tech (AA & AAS - Discnt)  
## [96] Printing Management (CT)   
## 96 Levels: Accounting (AA & AAS) ... Women's Studies (CT)

unique(mcData$Age.Group)

## [1] 25 - 29 21 - 24 20 or Younger 30 or Older Unknown   
## Levels: 20 or Younger 21 - 24 25 - 29 30 or Older Unknown

unique(mcData$HS.Category)

## [1] Foreign Country MCPS Mont.County Other Other State   
## [5] Other Maryland GED Home-Schooled   
## 7 Levels: Foreign Country GED Home-Schooled MCPS ... Other State

unique(mcData$MCPS.High.School)

## [1] Sherwood High School   
## [3] Quince Orchard Sr High School Thomas Sprigg Wootton High Sch  
## [5] Montgomery Blair High School Clarksburg High School   
## [7] Bethesda Chevy Chase High Schl Winston Churchill High School   
## [9] Rockville High School Northwood High School   
## [11] Colonel Zadok Magruder HS Northwest HS - Germantown   
## [13] Walter Johnson High School Richard Montgomery High School  
## [15] Seneca Valley High School Wheaton High School   
## [17] Gaithersburg High School Damascus High School   
## [19] Springbrook Sr High School Paint Branch High School   
## [21] Albert Einstein HS & MC Art Cn Watkins Mill High School   
## [23] James Hubert Blake High School Walt Whitman High School   
## [25] John F. Kennedy High School Poolesville Jr-Sr High School   
## 26 Levels: ... Winston Churchill High School

unique(mcData$City.in.MD)

## [1] Bethesda Olney Gaithersburg   
## [4] North Potomac Silver Spring Germantown   
## [7] Rockville Darnestown Prince Frederick   
## [10] Derwood Potomac Washington   
## [13] Montgomery Village Columbia Takoma Park   
## [16] Kensington Poolesville Clarksburg   
## [19] Hyattsville Bowie Clinton   
## [22] Harpers Ferry Chevy Chase Spencerville   
## [25] Larbo Burtonsville Beltsville   
## [28] North Bethesda Boyds Waldorf   
## [31] Cheverly Brookeville District Heights   
## [34] Damascus Annapolis Laytonsville   
## [37] Sandy Spring Laurel   
## [40] New Carrollton Dickerson University Park   
## [43] Temple Hills Riverdale Greenbelt   
## [46] Glenarden Brentwood Owings Mills   
## [49] Pikesville Boonsboro Lanham   
## [52] Upper Marlboro Brinklow Ashton   
## [55] Fort Washington Elkridge College Park   
## [58] Alexandria Suitland Smyrna   
## [61] Adelphi Frederick Windsor   
## [64] Capitol Heights Mount Rainier Garrett Park   
## [67] Centreville silver spring Middletown   
## [70] White Plains Hercules Mount Airy   
## [73] Ellicott City Germatown Berwyn Heights   
## [76] Washington Grove Marshfield Windsor Mill   
## [79] Hagerstown Brooklyn Glenn Dale   
## [82] The Plains Ashburn Arlington   
## [85] Irving Monrovia Fairfax   
## [88] Mc Lean Oxon Hill Cabin John   
## [91] Beallsville Garrett Parkd San Fernando   
## [94] Upper Malboro New Market McLean   
## [97] Parkville Germnatown Carrboro   
## [100] Annandale Saint Charles Falls Church   
## [103] Dunkirk Quantico Ijamsville   
## [106] Sterling Sykesville Barnesville   
## [109] Glen Echo Woodbine Baltimore   
## [112] Williamsport Highland Bladensburg   
## [115] Sliver Spring Vienna Atlanta   
## [118] Grand Rapids Gaitherburg Edgewood   
## [121] Odenton Westport Wagener   
## [124] Myersville Martinsburg Cockeysville   
## [127] Springfield Reisterstown Towson   
## [130] Greenwich Dallas Severn   
## [133] Marietta Woodbridge Glen Burnie   
## [136] Gettysburg Philadelphia New York   
## [139] Westminster Rohrersville Clarksbrug   
## [142] Landover Cooksville Gaithursburg   
## [145] Walnut Creek Aspen Hill Hanover   
## [148] Savannah Irmo Manassas Park   
## [151] Clifton Van Nuys Graham   
## [154] San Juan Twinsburg Wheaton   
## [157] Pittsburgh Aldie Bolling AFB   
## [160] Glenwood Nottingham West Friendship   
## [163] Millersville San Francisco East Liverpool   
## [166] Roswell Chantilly Easton   
## [169] Fairmount Heights Burke Adamstown   
## [172] Silver Sping Harrisburg Boca Raton   
## [175] Nashville Chestertown Chillum   
## [178] Indian Head Mitchellville Camp Springs   
## [181] Betheada Charleston SIiver Spring   
## [184] Pasadena Rosedale Newark   
## [187] Abingdon New Hope Largo   
## [190] Accokeek Bronx Berlin   
## [193] Harrisonburg Marbury Millsboro   
## [196] Clear Spring Grasonville Chesapeake Beach   
## [199] Dover Alva Howard City   
## [202] Brunswick OLNEY Salisbury   
## [205] Lovettsville Knoxville Gaitersburg   
## [208] Colonial Heights Woodsboro Fayetteville   
## [211] Merrick Springdale Farmville   
## [214] Middle River Columbus Herndon   
## [217] Winchester Hughesville Jessup   
## [220] Walkersville Tampa Fulton   
## [223] Clarkburg Rockille Nairobi   
## [226] Chapel Hill Syracuse Camillus   
## [229] Ventura Shepherdstown Bridgeville   
## [232] Lutherville Timonium Bellefonte Waynesboro   
## [235] North Brentwood Hancock Catonsville   
## [238] Dunn Loring California Albany   
## [241] Brandywine Marriottsville   
## 242 Levels: Abingdon Accokeek Adamstown Adelphi Albany ... Woodsboro

unique(mcData$State)

## [1] MD DC MO WV VA GA CA MA TX NC MI CT SC PA NY PR OH FL TN NJ DE OK  
## 23 Levels: CA CT DC DE FL GA MA MD MI MO NC NJ NY OH OK PA PR SC ... WV

unique(mcData$ZIP)

## [1] 20816 20832 20877 20878 20906 20876 20903 20901 20851 20904 20910  
## [12] 20850 20902 20678 20855 20874 20852 20854 20020 20814 20879 20886  
## [23] 20915 65203 20853 20912 20882 20817 20895 20837 20871 20784 20783  
## [34] 20720 20721 20735 25425 20815 20868 20905 20015 20774 20008 20032  
## [45] 20019 20866 20705 20782 20841 20603 20785 20009 20001 20833 20747  
## [56] 20002 20872 21404 20018 20860 20707 NA 20842 20748 20737 20770  
## [67] 20706 20722 21045 21117 21208 21713 20012 20781 20862 20011 20861  
## [78] 20744 21075 20889 20010 20017 20708 20740 20772 22304 20746 30080  
## [89] 20024 21701 95492 20743 20712 20896 20037 20716 20016 20121 21769  
## [100] 20695 94547 20003 21771 21042 21702 20880 20005 2050 21244 21044  
## [111] 21742 21225 20769 21704 20198 21403 20148 21703 20898 22209 75038  
## [122] 21770 22033 22102 21740 20745 20818 20914 20839 76015 21774 20007  
## [133] 22315 21234 27510 20724 22003 22204 63301 20907 20039 22041 20601  
## [144] 20754 21856 21754 20165 21784 20875 20838 20812 21797 28328 20741  
## [155] 20715 21218 20848 21795 20777 20710 22182 30342 49506 21239 21040  
## [166] 20723 21217 22201 21113 6880 29164 21773 25403 21030 20918 22181  
## [177] 22152 21136 22153 21223 20830 21286 6830 75230 21144 30062 20004  
## [188] 20602 20845 20847 22191 21061 17325 22202 19129 10028 21157 21043  
## [199] 21779 21723 20849 94597 22192 21076 31405 20147 21060 22307 20835  
## [210] 29063 20040 20111 20124 91405 27253 926 44087 15217 20105 21738  
## [221] 21236 21794 20916 21108 94116 43920 22203 30076 22193 20152 21204  
## [232] 21229 21601 22015 21710 21409 21224 21201 17102 33496 37206 21212  
## [243] 21620 20787 20640 49504 21046 22314 29406 21211 21122 11422 7102  
## [254] 21009 22046 18938 20607 10463 21811 22801 20658 20036 21401 19966  
## [265] 21722 20120 21638 20732 19904 73717 49329 21716 21801 20180 21758  
## [276] 23834 21798 28311 11566 23901 20909 22206 20734 21206 21220 43235  
## [287] 20171 22601 20170 20637 20794 22205 21793 21158 33614 20759 22309  
## [298] 20166 20978 17222 27517 13215 13031 93003 25443 20810 19933 21093  
## [309] 16823 20883 17268 21215 21750 21228 22027 20619 15235 12203 20613  
## [320] 21104

unique(mcData$County.in.MD)

## [1] Montgomery Calvert Other Prince George's  
## [5] Washington Charles Anne Arundel Howard   
## [9] Baltimore Frederick Wicomico Carroll   
## [13] Baltimore City Harford Talbot Kent   
## [17] Worcester Queen Anne's St. Mary's   
## 19 Levels: Anne Arundel Baltimore Baltimore City Calvert ... Worcester

# 

# 

![What have we noticed on general inspection?](data:text/html; charset=utf-8;base64,)

What have we noticed on general inspection?

* It looks like there is only one value present in the Fall.Term column. This will make it an excellent quantitative count to establish a full record count.
* The race categories line up perfectly with the race categories in the DataUSA file.

Problems with the data:

* The Ethnicity column is unlikely to be useful, the Race column gives much greater detail.
* The No/Yes responses will need to be converted to 0/1 for counting purposes in the Attending columns.
* The Program Descriptions will need to be grouped to make any meaningful comparision to the DataUSA file.
* The Age.Group column is useless for analysis because of the grouping. I should try to use it to make a bar chart for visuals.
* Blank high schools in the MCPS.High.School column likley refrence HS outside of the area.
* There are misspellings in city name causing under representation for some communites.
* There are also blank entries in the City in MD column.
* There is a blank entry in the State column.
* There are NAs as well as a few zip codes that are not five digits # #

studentCount <- nrow(mcData) # Determine how many students are enrolled in the fall of 2015  
studentCount

## [1] 25320

x <- mcData %>%  
 group\_by(Student.Status) %>%  
 summarize(Count = n\_distinct(MC.Program.Description))  
   
x <- arrange(x, desc(Count))  
x

## # A tibble: 2 x 2  
## Student.Status Count  
## <fct> <int>  
## 1 Part-Time 94  
## 2 Full-Time 78

unique(countyOccData$acs\_occ\_name) # Determine the occupation categories we should filter the MC.Program.Descriptions into

## [1] Management   
## [2] Business & Financial Operations   
## [3] Computer & Mathematical   
## [4] Architecture & Engineering   
## [5] Life, Physical, & Social Science   
## [6] Community & Social Service   
## [7] Legal   
## [8] Education, Training, & Library   
## [9] Arts & Recreation   
## [10] Health Practitioners   
## [11] Health Technicians   
## [12] Healthcare Support   
## [13] Law Enforcement Supervisors   
## [14] Fire Fighting Supervisors   
## [15] Food & Serving   
## [16] Cleaning & Maintenance   
## [17] Personal Care & Service   
## [18] Sales   
## [19] Administrative   
## [20] Farming, Fishing, & Forestry   
## [21] Construction & Extraction   
## [22] Installation, Maintenance, & Repair  
## [23] Production   
## [24] Transportation   
## [25] Material Moving   
## 25 Levels: Administrative Architecture & Engineering ... Transportation

# Group all declared programs to Occupations listed in the Occupational data  
  
Managment <-(c("Management (CT)", "Hospitality Management (AA & AAS)",  
 "Health Information Management (AA & AAS)", "Hospitality Management (CT)",  
 "Diagnostic Medical Sonography (CT)", "Hospitality Management (LR)",  
 "Management (AA & AAS - All Tracks)", "Management (LR)",  
 "Printing Management (AA & AAS)", "Medical Coder/Abstractr/Biller (CT)",  
 "Printing Management (CT)"))  
Business.Financial.Operations <-(c("Business / International Business (AA)",  
 "Accounting (AA & AAS)", "Accounting (CT)"))  
Computer.Mathematical <-(c("Computer Gaming & Simulation (AA - All Tracks)",  
 "Graphic Design (AA, AAS, & AFA, - All Tracks)",   
 "Computer Science & Technologies (AA = All Tracks)",  
 "Cybersecurity (AAS)", "Computer Applications (CT)",  
 "Microcomputer Technician (AA & AAS)",  
 "Digital Media & Web Technology (AAS)",  
 "Computer Applications (AA & AAS)",  
 "Digital Media & Web Technology (CT)",  
 "Microcomputer Technician (CT)", "Cybersecurity (CT)",  
 "Information Systems Secirity",  
 "Computer Graphics / Graphic Design (CT)",  
 "Computer Graphics / Graphic Design (AAS)",  
 "Network & Wireless Technologies (CT)",  
 "Network Engineer/Administration (CT)"))  
Architecture.Engineering <-(c("Engineering Science (AA - All Tracks)",  
 "Architectural & Construction Tech (AA & AAS)",  
 "Interior Design (CT)",  
 "Interior Design - PreProfessional (AAS)",  
 "Architect. & Construct. Tech - Sustainability (LR)",  
 "Eng Technologies (AA & AAS - Discontinued)"))  
Life.Physical.Social.Science <-(c("Science (AS - All Tracks)", "Biotechnology (AA & AAS)",  
 "Applied Geography (AA & AAS)", "Biotechnology (CT)",  
 "Technical Writing (CT)",  
 "Cartography & Geographic Ed / Info Sys (CT)",  
 "Ethnic Social Studies (LR)",  
 "Women's Studies (CT)", "Ethnic Studies (CT)"))  
Community.Social.Service <-(c("American Sign Language (AA & AAS)"))  
Legal <-(c("Criminal Justice (AA & AAS)", "Paralegal Studies (AA & AAS)","Paralegal Studies (CT)",  
 "Paralegal Studies - Legal Analysis (LR)"))  
Education.Training <-(c("Education / Teaching Education (AA & AAT)",  
 "Early Childhood Education (AA & AAS)", " Early Childhood Education (CT)",  
 "Early Childhood Education (LR)"))  
Arts.Recreation <-(c("School of Art & Design - Applicants", "Photography (AA & AAS)",  
 "Commun & Broadcasting Tech (CT)",   
 "Commun & Broadcasting Tech (AA & AAS - All Tracks)",  
 "Studio Art (AFA) - School of Art & Design", "Specialized Art Transfer (CT)",  
 "Photography (CT)", "Music Transfer (CT)",  
 "Graphic Design (AFA) - School of Art & Design", "Studio Art (AFA)",  
 "Recreation Leadership (AA)"))  
Health <-(c("Health Sciences (Pre-Clinical Studies)", "Diagnostic Medical Sonography (AA & AAS)",  
 "Nursing (AA & AAS)", "Mental Health Associate (AA & AAS)",   
 "Polysomnography Technology (CT)", "Radiologic (X-Ray) Technology (AA & AAS)",  
 "Physical Therapist Assistant (AAS)", "Surgical Technologist (AAS)",   
 "Exercise Sci - Personal Trainer (LR)",   
 "Exercise Sci - Personal Trainer (CT)"))  
Law.Enforcement <-(c())  
Fire.Fighting <-(c("Fire Sci./Preven., Emerg. Prepare. (AA, AS & AAS)",   
 "Fire Sci./Preven., Emergency Prepare. (CT)", "Fire Science (LR)"))  
Food.Service <-(c())  
Cleaning.Maintenance <-(c())  
Personal.Care.Service <-(c())  
Sales <-(c())  
Administrative <-(c("Communication Studies (AA)", "American Sign Language (CT)",   
 "Administrative Support Tech (CT)"))  
Farming.Fishing.Forestry <-(c())  
Construction.Extraction <-(c("Building Trades Technology (AA & AAS)",   
 "Building Trades Technology (CT)", "Management of Construction (CT)",  
 "Landscape Technology (AA & AAS)", "Building Trades Technology (LR)",   
 "Landscape Technology (CT)"))  
Installation.Maintenance.Repair <-(c("Automotive Technology (AA & AAS)",   
 "Automotive Technology (CT)",   
 "Electromechanical Sys Eng Tech (AA & AAS - Discnt)"))  
Transportation <-(c())  
Materal.Moving <-(c())  
Other <-(c("General Studies (AA - All Tracks)","Arts & Sciences Transfer (AA - All Tracks)",  
 "Credit (Undeclared / Undecided)", "WIA (CE) Programs", "Arts & Sciences Transfer (CT)"))

Student body details (Macro perspective)

Student.Type <- select(mcData, Student.Type)  
studentTypeTable <- as.data.frame(table(Student.Type))  
  
studentType <- arrange(studentTypeTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / studentCount),digits = 3))  
studentType

## Student.Type Freq Share.Enrollment  
## 1 Continuing 18513 0.731  
## 2 New 4767 0.188  
## 3 Transfer no degree 1132 0.045  
## 4 HS Student 485 0.019  
## 5 Transfer with degree 343 0.014  
## 6 Transfer 51 0.002  
## 7 New/No HS 29 0.001

Student.Gender <- select(mcData, Gender)  
studentGenderTable <- as.data.frame(table(Student.Gender))  
  
studentGender <- arrange(studentGenderTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / studentCount),digits = 3))  
studentGender

## Student.Gender Freq Share.Enrollment  
## 1 Female 13350 0.527  
## 2 Male 11963 0.472  
## 3 Unknown 7 0.000

Student.Race <- select(mcData, Race)  
studentRaceTable <- as.data.frame(table(Student.Race))  
  
studentRace <- arrange(studentRaceTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / studentCount),digits = 3))  
studentRace

## Student.Race Freq Share.Enrollment  
## 1 White 9831 0.388  
## 2 Black 8217 0.325  
## 3 Asian 3538 0.140  
## 4 Hispanic 2028 0.080  
## 5 Multi-Race 860 0.034  
## 6 Native American 501 0.020  
## 7 Pacific Islander 293 0.012  
## 8 Unknown 52 0.002

Student.Age.Group <- select(mcData, Age.Group)  
studentAgeGroupTable <- as.data.frame(table(Student.Age.Group))  
  
studentAgeGroup <- arrange(studentAgeGroupTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / studentCount),digits = 3))  
studentAgeGroup

## Student.Age.Group Freq Share.Enrollment  
## 1 20 or Younger 10533 0.416  
## 2 21 - 24 6349 0.251  
## 3 30 or Older 5116 0.202  
## 4 25 - 29 3320 0.131  
## 5 Unknown 2 0.000

Student.City <- select(mcData, City.in.MD)  
studentCityTable <- as.data.frame(table(Student.City))  
  
studentCity <- arrange(studentCityTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / studentCount),digits = 3))  
studentCity

## Student.City Freq Share.Enrollment  
## 1 Silver Spring 7464 0.295  
## 2 Gaithersburg 3220 0.127  
## 3 Rockville 2925 0.116  
## 4 Germantown 2675 0.106  
## 5 Montgomery Village 901 0.036  
## 6 Bethesda 812 0.032  
## 7 Washington 726 0.029  
## 8 Takoma Park 586 0.023  
## 9 Olney 560 0.022  
## 10 Potomac 550 0.022  
## 11 Clarksburg 429 0.017  
## 12 Damascus 355 0.014  
## 13 North Potomac 343 0.014  
## 14 Derwood 336 0.013  
## 15 Hyattsville 327 0.013  
## 16 Kensington 312 0.012  
## 17 Burtonsville 305 0.012  
## 18 Boyds 223 0.009  
## 19 Chevy Chase 193 0.008  
## 20 Brookeville 149 0.006  
## 21 Poolesville 145 0.006  
## 22 Beltsville 121 0.005  
## 23 Laurel 115 0.005  
## 24 97 0.004  
## 25 Frederick 84 0.003  
## 26 College Park 71 0.003  
## 27 Lanham 67 0.003  
## 28 Bowie 64 0.003  
## 29 Greenbelt 58 0.002  
## 30 Adelphi 57 0.002  
## 31 Upper Marlboro 54 0.002  
## 32 Laytonsville 48 0.002  
## 33 Riverdale 43 0.002  
## 34 Sandy Spring 39 0.002  
## 35 Dickerson 35 0.001  
## 36 Mount Rainier 33 0.001  
## 37 New Carrollton 32 0.001  
## 38 Capitol Heights 28 0.001  
## 39 Ashton 27 0.001  
## 40 Mount Airy 26 0.001  
## 41 Fort Washington 24 0.001  
## 42 District Heights 22 0.001  
## 43 Temple Hills 22 0.001  
## 44 Brentwood 20 0.001  
## 45 Columbia 19 0.001  
## 46 Suitland 19 0.001  
## 47 Bladensburg 18 0.001  
## 48 Cabin John 18 0.001  
## 49 Baltimore 16 0.001  
## 50 Oxon Hill 16 0.001  
## 51 Washington Grove 16 0.001  
## 52 Arlington 15 0.001  
## 53 Clinton 15 0.001  
## 54 Hagerstown 14 0.001  
## 55 Darnestown 12 0.000  
## 56 Spencerville 12 0.000  
## 57 Garrett Park 11 0.000  
## 58 Glenn Dale 11 0.000  
## 59 Ijamsville 11 0.000  
## 60 Waldorf 11 0.000  
## 61 Cheverly 10 0.000  
## 62 Annapolis 9 0.000  
## 63 New Market 9 0.000  
## 64 North Bethesda 9 0.000  
## 65 Vienna 8 0.000  
## 66 Barnesville 7 0.000  
## 67 Ellicott City 7 0.000  
## 68 Glenarden 7 0.000  
## 69 Wheaton 7 0.000  
## 70 Alexandria 6 0.000  
## 71 Brinklow 6 0.000  
## 72 Middletown 6 0.000  
## 73 Sykesville 6 0.000  
## 74 University Park 6 0.000  
## 75 Glen Burnie 5 0.000  
## 76 Highland 5 0.000  
## 77 Landover 5 0.000  
## 78 Monrovia 5 0.000  
## 79 Windsor Mill 5 0.000  
## 80 Woodbridge 5 0.000  
## 81 Ashburn 4 0.000  
## 82 Berwyn Heights 4 0.000  
## 83 Centreville 4 0.000  
## 84 Edgewood 4 0.000  
## 85 Martinsburg 4 0.000  
## 86 Owings Mills 4 0.000  
## 87 Westminster 4 0.000  
## 88 Woodbine 4 0.000  
## 89 Beallsville 3 0.000  
## 90 Elkridge 3 0.000  
## 91 Myersville 3 0.000  
## 92 Parkville 3 0.000  
## 93 Reisterstown 3 0.000  
## 94 Springfield 3 0.000  
## 95 Towson 3 0.000  
## 96 Adamstown 2 0.000  
## 97 Annandale 2 0.000  
## 98 Boonsboro 2 0.000  
## 99 Brooklyn 2 0.000  
## 100 Camp Springs 2 0.000  
## 101 Cooksville 2 0.000  
## 102 Easton 2 0.000  
## 103 Fairmount Heights 2 0.000  
## 104 Falls Church 2 0.000  
## 105 Fayetteville 2 0.000  
## 106 Gaitherburg 2 0.000  
## 107 Germatown 2 0.000  
## 108 Glen Echo 2 0.000  
## 109 Grand Rapids 2 0.000  
## 110 Grasonville 2 0.000  
## 111 Hanover 2 0.000  
## 112 Herndon 2 0.000  
## 113 Indian Head 2 0.000  
## 114 Millersville 2 0.000  
## 115 Nottingham 2 0.000  
## 116 Pikesville 2 0.000  
## 117 Pittsburgh 2 0.000  
## 118 Prince Frederick 2 0.000  
## 119 Salisbury 2 0.000  
## 120 Severn 2 0.000  
## 121 Smyrna 2 0.000  
## 122 Springdale 2 0.000  
## 123 Sterling 2 0.000  
## 124 Upper Malboro 2 0.000  
## 125 White Plains 2 0.000  
## 126 Abingdon 1 0.000  
## 127 Accokeek 1 0.000  
## 128 Albany 1 0.000  
## 129 Aldie 1 0.000  
## 130 Alva 1 0.000  
## 131 Aspen Hill 1 0.000  
## 132 Atlanta 1 0.000  
## 133 Bellefonte 1 0.000  
## 134 Berlin 1 0.000  
## 135 Betheada 1 0.000  
## 136 Boca Raton 1 0.000  
## 137 Bolling AFB 1 0.000  
## 138 Brandywine 1 0.000  
## 139 Bridgeville 1 0.000  
## 140 Bronx 1 0.000  
## 141 Brunswick 1 0.000  
## 142 Burke 1 0.000  
## 143 California 1 0.000  
## 144 Camillus 1 0.000  
## 145 Carrboro 1 0.000  
## 146 Catonsville 1 0.000  
## 147 Chantilly 1 0.000  
## 148 Chapel Hill 1 0.000  
## 149 Charleston 1 0.000  
## 150 Chesapeake Beach 1 0.000  
## 151 Chestertown 1 0.000  
## 152 Chillum 1 0.000  
## 153 Clarkburg 1 0.000  
## 154 Clarksbrug 1 0.000  
## 155 Clear Spring 1 0.000  
## 156 Clifton 1 0.000  
## 157 Cockeysville 1 0.000  
## 158 Colonial Heights 1 0.000  
## 159 Columbus 1 0.000  
## 160 Dallas 1 0.000  
## 161 Dover 1 0.000  
## 162 Dunkirk 1 0.000  
## 163 Dunn Loring 1 0.000  
## 164 East Liverpool 1 0.000  
## 165 Fairfax 1 0.000  
## 166 Farmville 1 0.000  
## 167 Fulton 1 0.000  
## 168 Gaitersburg 1 0.000  
## 169 Gaithursburg 1 0.000  
## 170 Garrett Parkd 1 0.000  
## 171 Germnatown 1 0.000  
## 172 Gettysburg 1 0.000  
## 173 Glenwood 1 0.000  
## 174 Graham 1 0.000  
## 175 Greenwich 1 0.000  
## 176 Hancock 1 0.000  
## 177 Harpers Ferry 1 0.000  
## 178 Harrisburg 1 0.000  
## 179 Harrisonburg 1 0.000  
## 180 Hercules 1 0.000  
## 181 Howard City 1 0.000  
## 182 Hughesville 1 0.000  
## 183 Irmo 1 0.000  
## 184 Irving 1 0.000  
## 185 Jessup 1 0.000  
## 186 Knoxville 1 0.000  
## 187 Larbo 1 0.000  
## 188 Largo 1 0.000  
## 189 Lovettsville 1 0.000  
## 190 Lutherville Timonium 1 0.000  
## 191 Manassas Park 1 0.000  
## 192 Marbury 1 0.000  
## 193 Marietta 1 0.000  
## 194 Marriottsville 1 0.000  
## 195 Marshfield 1 0.000  
## 196 Mc Lean 1 0.000  
## 197 McLean 1 0.000  
## 198 Merrick 1 0.000  
## 199 Middle River 1 0.000  
## 200 Millsboro 1 0.000  
## 201 Mitchellville 1 0.000  
## 202 Nairobi 1 0.000  
## 203 Nashville 1 0.000  
## 204 New Hope 1 0.000  
## 205 New York 1 0.000  
## 206 Newark 1 0.000  
## 207 North Brentwood 1 0.000  
## 208 Odenton 1 0.000  
## 209 OLNEY 1 0.000  
## 210 Pasadena 1 0.000  
## 211 Philadelphia 1 0.000  
## 212 Quantico 1 0.000  
## 213 Rockille 1 0.000  
## 214 Rohrersville 1 0.000  
## 215 Rosedale 1 0.000  
## 216 Roswell 1 0.000  
## 217 Saint Charles 1 0.000  
## 218 San Fernando 1 0.000  
## 219 San Francisco 1 0.000  
## 220 San Juan 1 0.000  
## 221 Savannah 1 0.000  
## 222 Shepherdstown 1 0.000  
## 223 SIiver Spring 1 0.000  
## 224 Silver Sping 1 0.000  
## 225 silver spring 1 0.000  
## 226 Sliver Spring 1 0.000  
## 227 Syracuse 1 0.000  
## 228 Tampa 1 0.000  
## 229 The Plains 1 0.000  
## 230 Twinsburg 1 0.000  
## 231 Van Nuys 1 0.000  
## 232 Ventura 1 0.000  
## 233 Wagener 1 0.000  
## 234 Walkersville 1 0.000  
## 235 Walnut Creek 1 0.000  
## 236 Waynesboro 1 0.000  
## 237 West Friendship 1 0.000  
## 238 Westport 1 0.000  
## 239 Williamsport 1 0.000  
## 240 Winchester 1 0.000  
## 241 Windsor 1 0.000  
## 242 Woodsboro 1 0.000

Student.Program <- select(mcData, MC.Program.Description)  
studentProgramTable <- as.data.frame(table(Student.Program))  
  
studentProgram <- arrange(studentProgramTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / studentCount),digits = 3))  
studentProgram

## Student.Program Freq  
## 1 General Studies (AA - All Tracks) 7449  
## 2 Health Sciences (Pre-Clinical Studies) 2969  
## 3 Business / International Business (AA) 2289  
## 4 Engineering Science (AA & AS - All Tracks) 1482  
## 5 Science (AS - All Tracks) 1432  
## 6 Arts & Sciences Transfer (AA - All Tracks) 1134  
## 7 Credit (Undeclared / Undecided) 1127  
## 8 Computer Science & Technologies (AA - All Tracks) 866  
## 9 Education / Teacher Education (AA & AAT) 845  
## 10 Criminal Justice (AA & AAS) 638  
## 11 Nursing (AA & AAS) 391  
## 12 Accounting (AA & AAS) 345  
## 13 Cybersecurity (AAS) 297  
## 14 Computer Gaming & Simulation (AA - All Tracks) 252  
## 15 Communication Studies (AA) 249  
## 16 Architectural & Construction Tech (AA & AAS) 230  
## 17 Graphic Design (AA, AAS, & AFA - All Tracks) 208  
## 18 Automotive Technology (AA & AAS) 197  
## 19 Early Childhood Education (CT) 161  
## 20 Computer Science - Computer Programming (CT) 152  
## 21 Hospitality Management (AA & AAS) 140  
## 22 Computer Applications (AA & AAS) 139  
## 23 Biotechnology (AA & AAS) 124  
## 24 Commun & Broadcasting Tech (CT) 121  
## 25 Paralegal Studies (AA & AAS) 113  
## 26 Accounting (CT) 108  
## 27 Early Childhood Education (AA & AAS) 104  
## 28 Mental Health Associate (AA & AAS) 101  
## 29 Commun & Broadcasting Tech (AA & AAS - All Tracks) 96  
## 30 Studio Art (AFA) 87  
## 31 Photography (AA & AAS) 77  
## 32 Microcomputer Technician (AA & AAS) 75  
## 33 Health Information Management (AA & AAS) 74  
## 34 Building Trades Technology (AA & AAS) 69  
## 35 Computer Applications (CT) 65  
## 36 Computer Graphics / Graphic Design (CT) 59  
## 37 School of Art & Design - Applicants 55  
## 38 Arts & Sciences Transfer (CT) 51  
## 39 Diagnostic Medical Sonography (AA & AAS) 50  
## 40 Interior Design - PreProfessional (AAS) 47  
## 41 Physical Therapist Assistant (AAS) 42  
## 42 Digital Media & Web Technology (CT) 41  
## 43 American Sign Language (AA & AAS) 40  
## 44 Hospitality Management (CT) 40  
## 45 Radiologic (X-Ray) Technology (AA & AAS) 39  
## 46 Building Trades Technology (CT) 36  
## 47 Photography (CT) 36  
## 48 Digital Media & Web Technology (AAS) 34  
## 49 Management (CT) 33  
## 50 Landscape Technology (AA & AAS) 32  
## 51 Biotechnology (CT) 30  
## 52 Management of Construction (CT) 30  
## 53 Applied Geography (AA & AAS) 27  
## 54 Fire Sci./Preven., Emerg. Prepare. (AA, AS & AAS) 27  
## 55 Interior Design (CT) 26  
## 56 Music Transfer (CT) 24  
## 57 Automotive Technology (CT) 23  
## 58 Landscape Technology (CT) 23  
## 59 Paralegal Studies (CT) 23  
## 60 Graphic Design (AFA) - School of Art & Design 22  
## 61 Network & Wireless Technologies (CT) 20  
## 62 Specialized Art Transfer (CT) 17  
## 63 Polysomnography Technology (CT) 16  
## 64 Surgical Technologist (AAS) 15  
## 65 American Sign Language (CT) 13  
## 66 Network Engineer/Administration (CT) 13  
## 67 Exercise Sci - Personal Trainer (LR) 12  
## 68 Cartography & Geographic Ed / Info Sys (CT) 11  
## 69 Paralegal Studies - Legal Analysis (LR) 11  
## 70 Studio Art (AFA) - School of Art & Design 10  
## 71 Computer Graphics / Graphic Design (AAS) 9  
## 72 Fire Science (LR) 8  
## 73 Cybersecurity (CT) 7  
## 74 Hospitality Management (LR) 6  
## 75 Building Trades Technology (LR) 5  
## 76 Fire Sci./Preven., Emergency Prepare. (CT) 5  
## 77 Management (LR) 5  
## 78 Microcomputer Technician (CT) 5  
## 79 Technical Writing (CT) 4  
## 80 Women's Studies (CT) 4  
## 81 Early Childhood Education (LR) 3  
## 82 Ethnic Studies (CT) 3  
## 83 Exercise Sci - Personal Trainer (CT) 3  
## 84 Information Systems Secirity 3  
## 85 Management (AA & AAS - All Tracks) 3  
## 86 Architect. & Construct. Tech - Sustainability (LR) 2  
## 87 Printing Management (AA & AAS) 2  
## 88 Administrative Support Tech (CT) 1  
## 89 Diagnostic Medical Sonography (CT) 1  
## 90 Electromechanical Sys Eng Tech (AA & AAS - Discnt) 1  
## 91 Eng Technologies (AA & AAS - Discontinued) 1  
## 92 Ethnic Social Studies (LR) 1  
## 93 Medical Coder/Abstractr/Biller (CT) 1  
## 94 Printing Management (CT) 1  
## 95 Recreation Leadership (AA) 1  
## 96 WIA (CE) Programs 1  
## Share.Enrollment  
## 1 0.294  
## 2 0.117  
## 3 0.090  
## 4 0.059  
## 5 0.057  
## 6 0.045  
## 7 0.045  
## 8 0.034  
## 9 0.033  
## 10 0.025  
## 11 0.015  
## 12 0.014  
## 13 0.012  
## 14 0.010  
## 15 0.010  
## 16 0.009  
## 17 0.008  
## 18 0.008  
## 19 0.006  
## 20 0.006  
## 21 0.006  
## 22 0.005  
## 23 0.005  
## 24 0.005  
## 25 0.004  
## 26 0.004  
## 27 0.004  
## 28 0.004  
## 29 0.004  
## 30 0.003  
## 31 0.003  
## 32 0.003  
## 33 0.003  
## 34 0.003  
## 35 0.003  
## 36 0.002  
## 37 0.002  
## 38 0.002  
## 39 0.002  
## 40 0.002  
## 41 0.002  
## 42 0.002  
## 43 0.002  
## 44 0.002  
## 45 0.002  
## 46 0.001  
## 47 0.001  
## 48 0.001  
## 49 0.001  
## 50 0.001  
## 51 0.001  
## 52 0.001  
## 53 0.001  
## 54 0.001  
## 55 0.001  
## 56 0.001  
## 57 0.001  
## 58 0.001  
## 59 0.001  
## 60 0.001  
## 61 0.001  
## 62 0.001  
## 63 0.001  
## 64 0.001  
## 65 0.001  
## 66 0.001  
## 67 0.000  
## 68 0.000  
## 69 0.000  
## 70 0.000  
## 71 0.000  
## 72 0.000  
## 73 0.000  
## 74 0.000  
## 75 0.000  
## 76 0.000  
## 77 0.000  
## 78 0.000  
## 79 0.000  
## 80 0.000  
## 81 0.000  
## 82 0.000  
## 83 0.000  
## 84 0.000  
## 85 0.000  
## 86 0.000  
## 87 0.000  
## 88 0.000  
## 89 0.000  
## 90 0.000  
## 91 0.000  
## 92 0.000  
## 93 0.000  
## 94 0.000  
## 95 0.000  
## 96 0.000

# 

# 

Student body details

![Takoma Park/Silver Spring](data:text/html; charset=utf-8;base64,)

Takoma Park/Silver Spring

TP.SS <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "No", Attending.Germantown == "No")  
TP.SS.Student.Type <- select(TP.SS, Student.Type)  
TP.SS.studentTypeTable <- as.data.frame(table(TP.SS.Student.Type))  
  
TP.SS.studentType <- arrange(TP.SS.studentTypeTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.SS.studentType

## TP.SS.Student.Type Freq Share.Enrollment  
## 1 Continuing 3442 0.702  
## 2 New 1008 0.206  
## 3 Transfer no degree 282 0.058  
## 4 Transfer with degree 99 0.020  
## 5 HS Student 56 0.011  
## 6 Transfer 10 0.002  
## 7 New/No HS 6 0.001

TP.SS <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "No", Attending.Germantown == "No")  
TP.SS.Student.Gender <- select(TP.SS, Gender)  
TP.SS.studentGenderTable <- as.data.frame(table(TP.SS.Student.Gender))  
  
TP.SS.studentGender <- arrange(TP.SS.studentGenderTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.SS.studentGender

## TP.SS.Student.Gender Freq Share.Enrollment  
## 1 Female 2908 0.593  
## 2 Male 1994 0.407  
## 3 Unknown 1 0.000

TP.SS <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "No", Attending.Germantown == "No")  
TP.SS.Student.Race <- select(TP.SS, Race)  
TP.SS.studentRaceTable <- as.data.frame(table(TP.SS.Student.Race))  
  
TP.SS.studentRace <- arrange(TP.SS.studentRaceTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.SS.studentRace

## TP.SS.Student.Race Freq Share.Enrollment  
## 1 Black 2624 0.535  
## 2 White 1195 0.244  
## 3 Asian 421 0.086  
## 4 Hispanic 376 0.077  
## 5 Multi-Race 132 0.027  
## 6 Native American 99 0.020  
## 7 Pacific Islander 46 0.009  
## 8 Unknown 10 0.002

TP.SS <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "No", Attending.Germantown == "No")  
TP.SS.Student.Age.Group <- select(TP.SS, Age.Group)  
TP.SS.studentAgeGroupTable <- as.data.frame(table(TP.SS.Student.Age.Group))  
  
TP.SS.studentAgeGroup <- arrange(TP.SS.studentAgeGroupTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.SS.studentAgeGroup

## TP.SS.Student.Age.Group Freq Share.Enrollment  
## 1 20 or Younger 1713 0.349  
## 2 30 or Older 1257 0.256  
## 3 21 - 24 1186 0.242  
## 4 25 - 29 747 0.152  
## 5 Unknown 0 0.000

TP.SS <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "No", Attending.Germantown == "No")  
TP.SS.Student.City <- select(TP.SS, City.in.MD)  
TP.SS.studentCityTable <- as.data.frame(table(TP.SS.Student.City))  
  
TP.SS.studentCity <- arrange(TP.SS.studentCityTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.SS.studentCity

## TP.SS.Student.City Freq Share.Enrollment  
## 1 Silver Spring 2450 0.500  
## 2 Washington 431 0.088  
## 3 Takoma Park 376 0.077  
## 4 Hyattsville 190 0.039  
## 5 Rockville 137 0.028  
## 6 Gaithersburg 124 0.025  
## 7 Germantown 116 0.024  
## 8 Burtonsville 115 0.023  
## 9 Beltsville 64 0.013  
## 10 Bethesda 63 0.013  
## 11 Chevy Chase 49 0.010  
## 12 Kensington 48 0.010  
## 13 Lanham 46 0.009  
## 14 Laurel 39 0.008  
## 15 Bowie 37 0.008  
## 16 Montgomery Village 37 0.008  
## 17 Adelphi 34 0.007  
## 18 Olney 34 0.007  
## 19 Greenbelt 32 0.007  
## 20 Potomac 29 0.006  
## 21 Upper Marlboro 29 0.006  
## 22 College Park 26 0.005  
## 23 Riverdale 26 0.005  
## 24 25 0.005  
## 25 Mount Rainier 22 0.004  
## 26 New Carrollton 19 0.004  
## 27 North Potomac 16 0.003  
## 28 Capitol Heights 15 0.003  
## 29 Clarksburg 15 0.003  
## 30 District Heights 13 0.003  
## 31 Boyds 12 0.002  
## 32 Brentwood 12 0.002  
## 33 Brookeville 11 0.002  
## 34 Derwood 11 0.002  
## 35 Fort Washington 11 0.002  
## 36 Suitland 10 0.002  
## 37 Bladensburg 9 0.002  
## 38 Damascus 9 0.002  
## 39 Columbia 8 0.002  
## 40 Clinton 7 0.001  
## 41 Cheverly 6 0.001  
## 42 Frederick 6 0.001  
## 43 Glenn Dale 6 0.001  
## 44 Poolesville 6 0.001  
## 45 Oxon Hill 5 0.001  
## 46 Arlington 4 0.001  
## 47 Baltimore 4 0.001  
## 48 Temple Hills 4 0.001  
## 49 University Park 4 0.001  
## 50 Windsor Mill 4 0.001  
## 51 Annapolis 3 0.001  
## 52 Cabin John 3 0.001  
## 53 Ellicott City 3 0.001  
## 54 Spencerville 3 0.001  
## 55 Waldorf 3 0.001  
## 56 Wheaton 3 0.001  
## 57 Ashton 2 0.000  
## 58 Berwyn Heights 2 0.000  
## 59 Brooklyn 2 0.000  
## 60 Camp Springs 2 0.000  
## 61 Edgewood 2 0.000  
## 62 Fairmount Heights 2 0.000  
## 63 Glenarden 2 0.000  
## 64 Hagerstown 2 0.000  
## 65 Ijamsville 2 0.000  
## 66 Indian Head 2 0.000  
## 67 Mount Airy 2 0.000  
## 68 Pikesville 2 0.000  
## 69 Prince Frederick 2 0.000  
## 70 Sandy Spring 2 0.000  
## 71 Springdale 2 0.000  
## 72 Upper Malboro 2 0.000  
## 73 Woodbridge 2 0.000  
## 74 Abingdon 1 0.000  
## 75 Accokeek 1 0.000  
## 76 Aldie 1 0.000  
## 77 Ashburn 1 0.000  
## 78 Aspen Hill 1 0.000  
## 79 Bolling AFB 1 0.000  
## 80 Bridgeville 1 0.000  
## 81 California 1 0.000  
## 82 Carrboro 1 0.000  
## 83 Chesapeake Beach 1 0.000  
## 84 Cockeysville 1 0.000  
## 85 Columbus 1 0.000  
## 86 Dickerson 1 0.000  
## 87 East Liverpool 1 0.000  
## 88 Elkridge 1 0.000  
## 89 Glen Burnie 1 0.000  
## 90 Grand Rapids 1 0.000  
## 91 Harrisburg 1 0.000  
## 92 Knoxville 1 0.000  
## 93 Landover 1 0.000  
## 94 Laytonsville 1 0.000  
## 95 Lutherville Timonium 1 0.000  
## 96 Manassas Park 1 0.000  
## 97 Marbury 1 0.000  
## 98 Marshfield 1 0.000  
## 99 Merrick 1 0.000  
## 100 Middle River 1 0.000  
## 101 Mitchellville 1 0.000  
## 102 Myersville 1 0.000  
## 103 Odenton 1 0.000  
## 104 Owings Mills 1 0.000  
## 105 Parkville 1 0.000  
## 106 Pasadena 1 0.000  
## 107 Philadelphia 1 0.000  
## 108 Pittsburgh 1 0.000  
## 109 Reisterstown 1 0.000  
## 110 Salisbury 1 0.000  
## 111 Severn 1 0.000  
## 112 Sterling 1 0.000  
## 113 Towson 1 0.000  
## 114 West Friendship 1 0.000  
## 115 Westminster 1 0.000  
## 116 Westport 1 0.000  
## 117 White Plains 1 0.000  
## 118 Winchester 1 0.000  
## 119 Adamstown 0 0.000  
## 120 Albany 0 0.000  
## 121 Alexandria 0 0.000  
## 122 Alva 0 0.000  
## 123 Annandale 0 0.000  
## 124 Atlanta 0 0.000  
## 125 Barnesville 0 0.000  
## 126 Beallsville 0 0.000  
## 127 Bellefonte 0 0.000  
## 128 Berlin 0 0.000  
## 129 Betheada 0 0.000  
## 130 Boca Raton 0 0.000  
## 131 Boonsboro 0 0.000  
## 132 Brandywine 0 0.000  
## 133 Brinklow 0 0.000  
## 134 Bronx 0 0.000  
## 135 Brunswick 0 0.000  
## 136 Burke 0 0.000  
## 137 Camillus 0 0.000  
## 138 Catonsville 0 0.000  
## 139 Centreville 0 0.000  
## 140 Chantilly 0 0.000  
## 141 Chapel Hill 0 0.000  
## 142 Charleston 0 0.000  
## 143 Chestertown 0 0.000  
## 144 Chillum 0 0.000  
## 145 Clarkburg 0 0.000  
## 146 Clarksbrug 0 0.000  
## 147 Clear Spring 0 0.000  
## 148 Clifton 0 0.000  
## 149 Colonial Heights 0 0.000  
## 150 Cooksville 0 0.000  
## 151 Dallas 0 0.000  
## 152 Darnestown 0 0.000  
## 153 Dover 0 0.000  
## 154 Dunkirk 0 0.000  
## 155 Dunn Loring 0 0.000  
## 156 Easton 0 0.000  
## 157 Fairfax 0 0.000  
## 158 Falls Church 0 0.000  
## 159 Farmville 0 0.000  
## 160 Fayetteville 0 0.000  
## 161 Fulton 0 0.000  
## 162 Gaitersburg 0 0.000  
## 163 Gaitherburg 0 0.000  
## 164 Gaithursburg 0 0.000  
## 165 Garrett Park 0 0.000  
## 166 Garrett Parkd 0 0.000  
## 167 Germatown 0 0.000  
## 168 Germnatown 0 0.000  
## 169 Gettysburg 0 0.000  
## 170 Glen Echo 0 0.000  
## 171 Glenwood 0 0.000  
## 172 Graham 0 0.000  
## 173 Grasonville 0 0.000  
## 174 Greenwich 0 0.000  
## 175 Hancock 0 0.000  
## 176 Hanover 0 0.000  
## 177 Harpers Ferry 0 0.000  
## 178 Harrisonburg 0 0.000  
## 179 Hercules 0 0.000  
## 180 Herndon 0 0.000  
## 181 Highland 0 0.000  
## 182 Howard City 0 0.000  
## 183 Hughesville 0 0.000  
## 184 Irmo 0 0.000  
## 185 Irving 0 0.000  
## 186 Jessup 0 0.000  
## 187 Larbo 0 0.000  
## 188 Largo 0 0.000  
## 189 Lovettsville 0 0.000  
## 190 Marietta 0 0.000  
## 191 Marriottsville 0 0.000  
## 192 Martinsburg 0 0.000  
## 193 Mc Lean 0 0.000  
## 194 McLean 0 0.000  
## 195 Middletown 0 0.000  
## 196 Millersville 0 0.000  
## 197 Millsboro 0 0.000  
## 198 Monrovia 0 0.000  
## 199 Nairobi 0 0.000  
## 200 Nashville 0 0.000  
## 201 New Hope 0 0.000  
## 202 New Market 0 0.000  
## 203 New York 0 0.000  
## 204 Newark 0 0.000  
## 205 North Bethesda 0 0.000  
## 206 North Brentwood 0 0.000  
## 207 Nottingham 0 0.000  
## 208 OLNEY 0 0.000  
## 209 Quantico 0 0.000  
## 210 Rockille 0 0.000  
## 211 Rohrersville 0 0.000  
## 212 Rosedale 0 0.000  
## 213 Roswell 0 0.000  
## 214 Saint Charles 0 0.000  
## 215 San Fernando 0 0.000  
## 216 San Francisco 0 0.000  
## 217 San Juan 0 0.000  
## 218 Savannah 0 0.000  
## 219 Shepherdstown 0 0.000  
## 220 SIiver Spring 0 0.000  
## 221 Silver Sping 0 0.000  
## 222 silver spring 0 0.000  
## 223 Sliver Spring 0 0.000  
## 224 Smyrna 0 0.000  
## 225 Springfield 0 0.000  
## 226 Sykesville 0 0.000  
## 227 Syracuse 0 0.000  
## 228 Tampa 0 0.000  
## 229 The Plains 0 0.000  
## 230 Twinsburg 0 0.000  
## 231 Van Nuys 0 0.000  
## 232 Ventura 0 0.000  
## 233 Vienna 0 0.000  
## 234 Wagener 0 0.000  
## 235 Walkersville 0 0.000  
## 236 Walnut Creek 0 0.000  
## 237 Washington Grove 0 0.000  
## 238 Waynesboro 0 0.000  
## 239 Williamsport 0 0.000  
## 240 Windsor 0 0.000  
## 241 Woodbine 0 0.000  
## 242 Woodsboro 0 0.000

TP.SS <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "No", Attending.Germantown == "No")  
TP.SS.Student.Program <- select(TP.SS, MC.Program.Description)  
TP.SS.studentProgramTable <- as.data.frame(table(TP.SS.Student.Program))  
  
TP.SS.studentProgram <- arrange(TP.SS.studentProgramTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.SS.studentProgram

## TP.SS.Student.Program Freq  
## 1 General Studies (AA - All Tracks) 1120  
## 2 Health Sciences (Pre-Clinical Studies) 934  
## 3 Business / International Business (AA) 372  
## 4 Nursing (AA & AAS) 342  
## 5 Science (AS - All Tracks) 310  
## 6 Credit (Undeclared / Undecided) 216  
## 7 Engineering Science (AA & AS - All Tracks) 203  
## 8 Arts & Sciences Transfer (AA - All Tracks) 195  
## 9 Computer Science & Technologies (AA - All Tracks) 127  
## 10 Criminal Justice (AA & AAS) 117  
## 11 Education / Teacher Education (AA & AAT) 110  
## 12 Accounting (AA & AAS) 70  
## 13 Health Information Management (AA & AAS) 60  
## 14 Mental Health Associate (AA & AAS) 56  
## 15 Diagnostic Medical Sonography (AA & AAS) 50  
## 16 Communication Studies (AA) 43  
## 17 Physical Therapist Assistant (AAS) 40  
## 18 Radiologic (X-Ray) Technology (AA & AAS) 38  
## 19 Studio Art (AFA) 30  
## 20 Computer Gaming & Simulation (AA - All Tracks) 29  
## 21 Graphic Design (AA, AAS, & AFA - All Tracks) 29  
## 22 Computer Applications (AA & AAS) 26  
## 23 Paralegal Studies (AA & AAS) 26  
## 24 Architectural & Construction Tech (AA & AAS) 24  
## 25 Cybersecurity (AAS) 23  
## 26 Computer Science - Computer Programming (CT) 20  
## 27 School of Art & Design - Applicants 20  
## 28 Commun & Broadcasting Tech (CT) 19  
## 29 Early Childhood Education (AA & AAS) 17  
## 30 Early Childhood Education (CT) 16  
## 31 Accounting (CT) 15  
## 32 Graphic Design (AFA) - School of Art & Design 15  
## 33 Surgical Technologist (AAS) 14  
## 34 Biotechnology (AA & AAS) 12  
## 35 Computer Applications (CT) 12  
## 36 Commun & Broadcasting Tech (AA & AAS - All Tracks) 10  
## 37 Polysomnography Technology (CT) 10  
## 38 Automotive Technology (AA & AAS) 8  
## 39 Paralegal Studies (CT) 8  
## 40 Arts & Sciences Transfer (CT) 7  
## 41 Fire Sci./Preven., Emerg. Prepare. (AA, AS & AAS) 7  
## 42 Studio Art (AFA) - School of Art & Design 7  
## 43 Computer Graphics / Graphic Design (CT) 6  
## 44 Hospitality Management (AA & AAS) 6  
## 45 Photography (AA & AAS) 6  
## 46 Photography (CT) 6  
## 47 Music Transfer (CT) 5  
## 48 Building Trades Technology (AA & AAS) 4  
## 49 Building Trades Technology (CT) 4  
## 50 Digital Media & Web Technology (AAS) 4  
## 51 Microcomputer Technician (AA & AAS) 4  
## 52 Network & Wireless Technologies (CT) 4  
## 53 Specialized Art Transfer (CT) 4  
## 54 Digital Media & Web Technology (CT) 3  
## 55 Exercise Sci - Personal Trainer (LR) 3  
## 56 Fire Science (LR) 3  
## 57 Management (CT) 3  
## 58 Paralegal Studies - Legal Analysis (LR) 3  
## 59 Women's Studies (CT) 3  
## 60 Applied Geography (AA & AAS) 2  
## 61 Biotechnology (CT) 2  
## 62 Cybersecurity (CT) 2  
## 63 Hospitality Management (CT) 2  
## 64 Interior Design - PreProfessional (AAS) 2  
## 65 Interior Design (CT) 2  
## 66 Management (LR) 2  
## 67 Management of Construction (CT) 2  
## 68 American Sign Language (AA & AAS) 1  
## 69 Building Trades Technology (LR) 1  
## 70 Computer Graphics / Graphic Design (AAS) 1  
## 71 Diagnostic Medical Sonography (CT) 1  
## 72 Fire Sci./Preven., Emergency Prepare. (CT) 1  
## 73 Information Systems Secirity 1  
## 74 Management (AA & AAS - All Tracks) 1  
## 75 Medical Coder/Abstractr/Biller (CT) 1  
## 76 Microcomputer Technician (CT) 1  
## 77 Administrative Support Tech (CT) 0  
## 78 American Sign Language (CT) 0  
## 79 Architect. & Construct. Tech - Sustainability (LR) 0  
## 80 Automotive Technology (CT) 0  
## 81 Cartography & Geographic Ed / Info Sys (CT) 0  
## 82 Early Childhood Education (LR) 0  
## 83 Electromechanical Sys Eng Tech (AA & AAS - Discnt) 0  
## 84 Eng Technologies (AA & AAS - Discontinued) 0  
## 85 Ethnic Social Studies (LR) 0  
## 86 Ethnic Studies (CT) 0  
## 87 Exercise Sci - Personal Trainer (CT) 0  
## 88 Hospitality Management (LR) 0  
## 89 Landscape Technology (AA & AAS) 0  
## 90 Landscape Technology (CT) 0  
## 91 Network Engineer/Administration (CT) 0  
## 92 Printing Management (AA & AAS) 0  
## 93 Printing Management (CT) 0  
## 94 Recreation Leadership (AA) 0  
## 95 Technical Writing (CT) 0  
## 96 WIA (CE) Programs 0  
## Share.Enrollment  
## 1 0.228  
## 2 0.190  
## 3 0.076  
## 4 0.070  
## 5 0.063  
## 6 0.044  
## 7 0.041  
## 8 0.040  
## 9 0.026  
## 10 0.024  
## 11 0.022  
## 12 0.014  
## 13 0.012  
## 14 0.011  
## 15 0.010  
## 16 0.009  
## 17 0.008  
## 18 0.008  
## 19 0.006  
## 20 0.006  
## 21 0.006  
## 22 0.005  
## 23 0.005  
## 24 0.005  
## 25 0.005  
## 26 0.004  
## 27 0.004  
## 28 0.004  
## 29 0.003  
## 30 0.003  
## 31 0.003  
## 32 0.003  
## 33 0.003  
## 34 0.002  
## 35 0.002  
## 36 0.002  
## 37 0.002  
## 38 0.002  
## 39 0.002  
## 40 0.001  
## 41 0.001  
## 42 0.001  
## 43 0.001  
## 44 0.001  
## 45 0.001  
## 46 0.001  
## 47 0.001  
## 48 0.001  
## 49 0.001  
## 50 0.001  
## 51 0.001  
## 52 0.001  
## 53 0.001  
## 54 0.001  
## 55 0.001  
## 56 0.001  
## 57 0.001  
## 58 0.001  
## 59 0.001  
## 60 0.000  
## 61 0.000  
## 62 0.000  
## 63 0.000  
## 64 0.000  
## 65 0.000  
## 66 0.000  
## 67 0.000  
## 68 0.000  
## 69 0.000  
## 70 0.000  
## 71 0.000  
## 72 0.000  
## 73 0.000  
## 74 0.000  
## 75 0.000  
## 76 0.000  
## 77 0.000  
## 78 0.000  
## 79 0.000  
## 80 0.000  
## 81 0.000  
## 82 0.000  
## 83 0.000  
## 84 0.000  
## 85 0.000  
## 86 0.000  
## 87 0.000  
## 88 0.000  
## 89 0.000  
## 90 0.000  
## 91 0.000  
## 92 0.000  
## 93 0.000  
## 94 0.000  
## 95 0.000  
## 96 0.000

# 

# 

Student body details

![Rockville](data:text/html; charset=utf-8;base64,)

Rockville

RV <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "Yes", Attending.Germantown == "No")  
RV.Student.Type <- select(RV, Student.Type)  
RV.studentTypeTable <- as.data.frame(table(RV.Student.Type))  
  
RV.studentType <- arrange(RV.studentTypeTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
RV.studentType

## RV.Student.Type Freq Share.Enrollment  
## 1 Continuing 8010 0.726  
## 2 New 2216 0.201  
## 3 Transfer no degree 402 0.036  
## 4 HS Student 212 0.019  
## 5 Transfer with degree 156 0.014  
## 6 Transfer 24 0.002  
## 7 New/No HS 17 0.002

RV <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "Yes", Attending.Germantown == "No")  
RV.Student.Gender <- select(RV, Gender)  
RV.studentGenderTable <- as.data.frame(table(RV.Student.Gender))  
  
RV.studentGender <- arrange(RV.studentGenderTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
RV.studentGender

## RV.Student.Gender Freq Share.Enrollment  
## 1 Male 5590 0.506  
## 2 Female 5443 0.493  
## 3 Unknown 4 0.000

RV <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "Yes", Attending.Germantown == "No")  
RV.Student.Race <- select(RV, Race)  
RV.studentRaceTable <- as.data.frame(table(RV.Student.Race))  
  
RV.studentRace <- arrange(RV.studentRaceTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
RV.studentRace

## RV.Student.Race Freq Share.Enrollment  
## 1 White 4866 0.441  
## 2 Black 2573 0.233  
## 3 Asian 1860 0.169  
## 4 Hispanic 944 0.086  
## 5 Multi-Race 382 0.035  
## 6 Native American 243 0.022  
## 7 Pacific Islander 144 0.013  
## 8 Unknown 25 0.002

RV <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "Yes", Attending.Germantown == "No")  
RV.Student.Age.Group <- select(RV, Age.Group)  
RV.studentAgeGroupTable <- as.data.frame(table(RV.Student.Age.Group))  
  
RV.studentAgeGroup <- arrange(RV.studentAgeGroupTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
RV.studentAgeGroup

## RV.Student.Age.Group Freq Share.Enrollment  
## 1 20 or Younger 4838 0.438  
## 2 21 - 24 2884 0.261  
## 3 30 or Older 1998 0.181  
## 4 25 - 29 1315 0.119  
## 5 Unknown 2 0.000

RV <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "Yes", Attending.Germantown == "No")  
RV.Student.City <- select(RV, City.in.MD)  
RV.studentCityTable <- as.data.frame(table(RV.Student.City))  
  
RV.studentCity <- arrange(RV.studentCityTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
RV.studentCity

## RV.Student.City Freq Share.Enrollment  
## 1 Silver Spring 3089 0.280  
## 2 Rockville 2162 0.196  
## 3 Gaithersburg 1572 0.142  
## 4 Bethesda 564 0.051  
## 5 Germantown 552 0.050  
## 6 Potomac 381 0.035  
## 7 Olney 362 0.033  
## 8 Montgomery Village 318 0.029  
## 9 Derwood 223 0.020  
## 10 North Potomac 209 0.019  
## 11 Kensington 202 0.018  
## 12 Washington 155 0.014  
## 13 Burtonsville 116 0.011  
## 14 Chevy Chase 105 0.010  
## 15 Clarksburg 91 0.008  
## 16 Brookeville 87 0.008  
## 17 Takoma Park 83 0.008  
## 18 Damascus 75 0.007  
## 19 Hyattsville 54 0.005  
## 20 Poolesville 44 0.004  
## 21 38 0.003  
## 22 Boyds 38 0.003  
## 23 Laurel 35 0.003  
## 24 Beltsville 29 0.003  
## 25 Laytonsville 27 0.002  
## 26 Frederick 26 0.002  
## 27 College Park 21 0.002  
## 28 Sandy Spring 21 0.002  
## 29 Ashton 18 0.002  
## 30 Upper Marlboro 15 0.001  
## 31 Cabin John 13 0.001  
## 32 Bowie 12 0.001  
## 33 Washington Grove 12 0.001  
## 34 Arlington 10 0.001  
## 35 Greenbelt 10 0.001  
## 36 Columbia 9 0.001  
## 37 Mount Airy 9 0.001  
## 38 Temple Hills 9 0.001  
## 39 Adelphi 8 0.001  
## 40 Dickerson 8 0.001  
## 41 Fort Washington 8 0.001  
## 42 Garrett Park 7 0.001  
## 43 Lanham 7 0.001  
## 44 North Bethesda 7 0.001  
## 45 Darnestown 6 0.001  
## 46 Riverdale 6 0.001  
## 47 Suitland 6 0.001  
## 48 Mount Rainier 5 0.000  
## 49 New Carrollton 5 0.000  
## 50 Annapolis 4 0.000  
## 51 Baltimore 4 0.000  
## 52 Brentwood 4 0.000  
## 53 Brinklow 4 0.000  
## 54 Centreville 4 0.000  
## 55 District Heights 4 0.000  
## 56 Ellicott City 4 0.000  
## 57 Hagerstown 4 0.000  
## 58 Highland 4 0.000  
## 59 Oxon Hill 4 0.000  
## 60 Spencerville 4 0.000  
## 61 Alexandria 3 0.000  
## 62 Bladensburg 3 0.000  
## 63 Capitol Heights 3 0.000  
## 64 Monrovia 3 0.000  
## 65 New Market 3 0.000  
## 66 Vienna 3 0.000  
## 67 Waldorf 3 0.000  
## 68 Ashburn 2 0.000  
## 69 Cheverly 2 0.000  
## 70 Easton 2 0.000  
## 71 Glen Burnie 2 0.000  
## 72 Herndon 2 0.000  
## 73 Landover 2 0.000  
## 74 Martinsburg 2 0.000  
## 75 Middletown 2 0.000  
## 76 Springfield 2 0.000  
## 77 Sykesville 2 0.000  
## 78 Westminster 2 0.000  
## 79 Wheaton 2 0.000  
## 80 Woodbridge 2 0.000  
## 81 Adamstown 1 0.000  
## 82 Albany 1 0.000  
## 83 Alva 1 0.000  
## 84 Annandale 1 0.000  
## 85 Atlanta 1 0.000  
## 86 Barnesville 1 0.000  
## 87 Beallsville 1 0.000  
## 88 Berlin 1 0.000  
## 89 Berwyn Heights 1 0.000  
## 90 Betheada 1 0.000  
## 91 Boonsboro 1 0.000  
## 92 Bronx 1 0.000  
## 93 Camillus 1 0.000  
## 94 Catonsville 1 0.000  
## 95 Chantilly 1 0.000  
## 96 Chapel Hill 1 0.000  
## 97 Charleston 1 0.000  
## 98 Chestertown 1 0.000  
## 99 Chillum 1 0.000  
## 100 Clinton 1 0.000  
## 101 Dover 1 0.000  
## 102 Dunn Loring 1 0.000  
## 103 Edgewood 1 0.000  
## 104 Elkridge 1 0.000  
## 105 Fairfax 1 0.000  
## 106 Falls Church 1 0.000  
## 107 Farmville 1 0.000  
## 108 Fayetteville 1 0.000  
## 109 Fulton 1 0.000  
## 110 Gaitersburg 1 0.000  
## 111 Gaitherburg 1 0.000  
## 112 Garrett Parkd 1 0.000  
## 113 Glen Echo 1 0.000  
## 114 Glenn Dale 1 0.000  
## 115 Glenwood 1 0.000  
## 116 Grasonville 1 0.000  
## 117 Greenwich 1 0.000  
## 118 Hancock 1 0.000  
## 119 Harrisonburg 1 0.000  
## 120 Hercules 1 0.000  
## 121 Hughesville 1 0.000  
## 122 Ijamsville 1 0.000  
## 123 Jessup 1 0.000  
## 124 Larbo 1 0.000  
## 125 Largo 1 0.000  
## 126 Lovettsville 1 0.000  
## 127 Mc Lean 1 0.000  
## 128 McLean 1 0.000  
## 129 Myersville 1 0.000  
## 130 Nairobi 1 0.000  
## 131 Newark 1 0.000  
## 132 Owings Mills 1 0.000  
## 133 Parkville 1 0.000  
## 134 Quantico 1 0.000  
## 135 Reisterstown 1 0.000  
## 136 Rosedale 1 0.000  
## 137 Roswell 1 0.000  
## 138 Saint Charles 1 0.000  
## 139 San Fernando 1 0.000  
## 140 San Francisco 1 0.000  
## 141 San Juan 1 0.000  
## 142 Shepherdstown 1 0.000  
## 143 SIiver Spring 1 0.000  
## 144 Silver Sping 1 0.000  
## 145 silver spring 1 0.000  
## 146 Syracuse 1 0.000  
## 147 Tampa 1 0.000  
## 148 The Plains 1 0.000  
## 149 Towson 1 0.000  
## 150 Twinsburg 1 0.000  
## 151 University Park 1 0.000  
## 152 Van Nuys 1 0.000  
## 153 Wagener 1 0.000  
## 154 Walkersville 1 0.000  
## 155 Walnut Creek 1 0.000  
## 156 Windsor 1 0.000  
## 157 Woodbine 1 0.000  
## 158 Abingdon 0 0.000  
## 159 Accokeek 0 0.000  
## 160 Aldie 0 0.000  
## 161 Aspen Hill 0 0.000  
## 162 Bellefonte 0 0.000  
## 163 Boca Raton 0 0.000  
## 164 Bolling AFB 0 0.000  
## 165 Brandywine 0 0.000  
## 166 Bridgeville 0 0.000  
## 167 Brooklyn 0 0.000  
## 168 Brunswick 0 0.000  
## 169 Burke 0 0.000  
## 170 California 0 0.000  
## 171 Camp Springs 0 0.000  
## 172 Carrboro 0 0.000  
## 173 Chesapeake Beach 0 0.000  
## 174 Clarkburg 0 0.000  
## 175 Clarksbrug 0 0.000  
## 176 Clear Spring 0 0.000  
## 177 Clifton 0 0.000  
## 178 Cockeysville 0 0.000  
## 179 Colonial Heights 0 0.000  
## 180 Columbus 0 0.000  
## 181 Cooksville 0 0.000  
## 182 Dallas 0 0.000  
## 183 Dunkirk 0 0.000  
## 184 East Liverpool 0 0.000  
## 185 Fairmount Heights 0 0.000  
## 186 Gaithursburg 0 0.000  
## 187 Germatown 0 0.000  
## 188 Germnatown 0 0.000  
## 189 Gettysburg 0 0.000  
## 190 Glenarden 0 0.000  
## 191 Graham 0 0.000  
## 192 Grand Rapids 0 0.000  
## 193 Hanover 0 0.000  
## 194 Harpers Ferry 0 0.000  
## 195 Harrisburg 0 0.000  
## 196 Howard City 0 0.000  
## 197 Indian Head 0 0.000  
## 198 Irmo 0 0.000  
## 199 Irving 0 0.000  
## 200 Knoxville 0 0.000  
## 201 Lutherville Timonium 0 0.000  
## 202 Manassas Park 0 0.000  
## 203 Marbury 0 0.000  
## 204 Marietta 0 0.000  
## 205 Marriottsville 0 0.000  
## 206 Marshfield 0 0.000  
## 207 Merrick 0 0.000  
## 208 Middle River 0 0.000  
## 209 Millersville 0 0.000  
## 210 Millsboro 0 0.000  
## 211 Mitchellville 0 0.000  
## 212 Nashville 0 0.000  
## 213 New Hope 0 0.000  
## 214 New York 0 0.000  
## 215 North Brentwood 0 0.000  
## 216 Nottingham 0 0.000  
## 217 Odenton 0 0.000  
## 218 OLNEY 0 0.000  
## 219 Pasadena 0 0.000  
## 220 Philadelphia 0 0.000  
## 221 Pikesville 0 0.000  
## 222 Pittsburgh 0 0.000  
## 223 Prince Frederick 0 0.000  
## 224 Rockille 0 0.000  
## 225 Rohrersville 0 0.000  
## 226 Salisbury 0 0.000  
## 227 Savannah 0 0.000  
## 228 Severn 0 0.000  
## 229 Sliver Spring 0 0.000  
## 230 Smyrna 0 0.000  
## 231 Springdale 0 0.000  
## 232 Sterling 0 0.000  
## 233 Upper Malboro 0 0.000  
## 234 Ventura 0 0.000  
## 235 Waynesboro 0 0.000  
## 236 West Friendship 0 0.000  
## 237 Westport 0 0.000  
## 238 White Plains 0 0.000  
## 239 Williamsport 0 0.000  
## 240 Winchester 0 0.000  
## 241 Windsor Mill 0 0.000  
## 242 Woodsboro 0 0.000

RV <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "Yes", Attending.Germantown == "No")  
RV.Student.Program <- select(RV, MC.Program.Description)  
RV.studentProgramTable <- as.data.frame(table(RV.Student.Program))  
  
RV.studentProgram <- arrange(RV.studentProgramTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
RV.studentProgram

## RV.Student.Program Freq  
## 1 General Studies (AA - All Tracks) 3429  
## 2 Business / International Business (AA) 973  
## 3 Health Sciences (Pre-Clinical Studies) 877  
## 4 Engineering Science (AA & AS - All Tracks) 751  
## 5 Arts & Sciences Transfer (AA - All Tracks) 627  
## 6 Credit (Undeclared / Undecided) 591  
## 7 Science (AS - All Tracks) 569  
## 8 Computer Science & Technologies (AA - All Tracks) 383  
## 9 Education / Teacher Education (AA & AAT) 348  
## 10 Criminal Justice (AA & AAS) 313  
## 11 Architectural & Construction Tech (AA & AAS) 147  
## 12 Accounting (AA & AAS) 145  
## 13 Computer Gaming & Simulation (AA - All Tracks) 143  
## 14 Automotive Technology (AA & AAS) 140  
## 15 Graphic Design (AA, AAS, & AFA - All Tracks) 127  
## 16 Communication Studies (AA) 109  
## 17 Hospitality Management (AA & AAS) 89  
## 18 Early Childhood Education (CT) 88  
## 19 Computer Science - Computer Programming (CT) 82  
## 20 Commun & Broadcasting Tech (CT) 65  
## 21 Accounting (CT) 60  
## 22 Cybersecurity (AAS) 59  
## 23 Early Childhood Education (AA & AAS) 57  
## 24 Commun & Broadcasting Tech (AA & AAS - All Tracks) 53  
## 25 Computer Applications (AA & AAS) 51  
## 26 Computer Graphics / Graphic Design (CT) 49  
## 27 Photography (AA & AAS) 49  
## 28 Building Trades Technology (AA & AAS) 48  
## 29 Interior Design - PreProfessional (AAS) 40  
## 30 Biotechnology (AA & AAS) 35  
## 31 Studio Art (AFA) 33  
## 32 American Sign Language (AA & AAS) 30  
## 33 Digital Media & Web Technology (CT) 29  
## 34 Arts & Sciences Transfer (CT) 28  
## 35 Building Trades Technology (CT) 28  
## 36 Management of Construction (CT) 25  
## 37 Paralegal Studies (AA & AAS) 25  
## 38 Photography (CT) 23  
## 39 Management (CT) 22  
## 40 Hospitality Management (CT) 21  
## 41 Computer Applications (CT) 20  
## 42 Interior Design (CT) 20  
## 43 Applied Geography (AA & AAS) 19  
## 44 School of Art & Design - Applicants 18  
## 45 Automotive Technology (CT) 17  
## 46 Digital Media & Web Technology (AAS) 17  
## 47 Microcomputer Technician (AA & AAS) 16  
## 48 Music Transfer (CT) 14  
## 49 American Sign Language (CT) 12  
## 50 Mental Health Associate (AA & AAS) 11  
## 51 Cartography & Geographic Ed / Info Sys (CT) 10  
## 52 Fire Sci./Preven., Emerg. Prepare. (AA, AS & AAS) 10  
## 53 Nursing (AA & AAS) 9  
## 54 Specialized Art Transfer (CT) 8  
## 55 Biotechnology (CT) 7  
## 56 Exercise Sci - Personal Trainer (LR) 7  
## 57 Network & Wireless Technologies (CT) 7  
## 58 Hospitality Management (LR) 5  
## 59 Building Trades Technology (LR) 4  
## 60 Computer Graphics / Graphic Design (AAS) 4  
## 61 Fire Science (LR) 4  
## 62 Paralegal Studies - Legal Analysis (LR) 4  
## 63 Fire Sci./Preven., Emergency Prepare. (CT) 3  
## 64 Graphic Design (AFA) - School of Art & Design 3  
## 65 Cybersecurity (CT) 2  
## 66 Early Childhood Education (LR) 2  
## 67 Landscape Technology (AA & AAS) 2  
## 68 Management (LR) 2  
## 69 Microcomputer Technician (CT) 2  
## 70 Paralegal Studies (CT) 2  
## 71 Technical Writing (CT) 2  
## 72 Architect. & Construct. Tech - Sustainability (LR) 1  
## 73 Electromechanical Sys Eng Tech (AA & AAS - Discnt) 1  
## 74 Eng Technologies (AA & AAS - Discontinued) 1  
## 75 Exercise Sci - Personal Trainer (CT) 1  
## 76 Information Systems Secirity 1  
## 77 Landscape Technology (CT) 1  
## 78 Management (AA & AAS - All Tracks) 1  
## 79 Network Engineer/Administration (CT) 1  
## 80 Physical Therapist Assistant (AAS) 1  
## 81 Printing Management (AA & AAS) 1  
## 82 Recreation Leadership (AA) 1  
## 83 WIA (CE) Programs 1  
## 84 Women's Studies (CT) 1  
## 85 Administrative Support Tech (CT) 0  
## 86 Diagnostic Medical Sonography (AA & AAS) 0  
## 87 Diagnostic Medical Sonography (CT) 0  
## 88 Ethnic Social Studies (LR) 0  
## 89 Ethnic Studies (CT) 0  
## 90 Health Information Management (AA & AAS) 0  
## 91 Medical Coder/Abstractr/Biller (CT) 0  
## 92 Polysomnography Technology (CT) 0  
## 93 Printing Management (CT) 0  
## 94 Radiologic (X-Ray) Technology (AA & AAS) 0  
## 95 Studio Art (AFA) - School of Art & Design 0  
## 96 Surgical Technologist (AAS) 0  
## Share.Enrollment  
## 1 0.311  
## 2 0.088  
## 3 0.079  
## 4 0.068  
## 5 0.057  
## 6 0.054  
## 7 0.052  
## 8 0.035  
## 9 0.032  
## 10 0.028  
## 11 0.013  
## 12 0.013  
## 13 0.013  
## 14 0.013  
## 15 0.012  
## 16 0.010  
## 17 0.008  
## 18 0.008  
## 19 0.007  
## 20 0.006  
## 21 0.005  
## 22 0.005  
## 23 0.005  
## 24 0.005  
## 25 0.005  
## 26 0.004  
## 27 0.004  
## 28 0.004  
## 29 0.004  
## 30 0.003  
## 31 0.003  
## 32 0.003  
## 33 0.003  
## 34 0.003  
## 35 0.003  
## 36 0.002  
## 37 0.002  
## 38 0.002  
## 39 0.002  
## 40 0.002  
## 41 0.002  
## 42 0.002  
## 43 0.002  
## 44 0.002  
## 45 0.002  
## 46 0.002  
## 47 0.001  
## 48 0.001  
## 49 0.001  
## 50 0.001  
## 51 0.001  
## 52 0.001  
## 53 0.001  
## 54 0.001  
## 55 0.001  
## 56 0.001  
## 57 0.001  
## 58 0.000  
## 59 0.000  
## 60 0.000  
## 61 0.000  
## 62 0.000  
## 63 0.000  
## 64 0.000  
## 65 0.000  
## 66 0.000  
## 67 0.000  
## 68 0.000  
## 69 0.000  
## 70 0.000  
## 71 0.000  
## 72 0.000  
## 73 0.000  
## 74 0.000  
## 75 0.000  
## 76 0.000  
## 77 0.000  
## 78 0.000  
## 79 0.000  
## 80 0.000  
## 81 0.000  
## 82 0.000  
## 83 0.000  
## 84 0.000  
## 85 0.000  
## 86 0.000  
## 87 0.000  
## 88 0.000  
## 89 0.000  
## 90 0.000  
## 91 0.000  
## 92 0.000  
## 93 0.000  
## 94 0.000  
## 95 0.000  
## 96 0.000

# 

# 

Student body details

![Germantown](data:text/html; charset=utf-8;base64,)

Germantown

GT <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "No", Attending.Germantown == "Yes")  
GT.Student.Type <- select(GT, Student.Type)  
GT.studentTypeTable <- as.data.frame(table(GT.Student.Type))  
  
GT.studentType <- arrange(GT.studentTypeTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
GT.studentType

## GT.Student.Type Freq Share.Enrollment  
## 1 Continuing 2526 0.688  
## 2 New 772 0.210  
## 3 HS Student 197 0.054  
## 4 Transfer no degree 119 0.032  
## 5 Transfer with degree 45 0.012  
## 6 Transfer 8 0.002  
## 7 New/No HS 5 0.001

GT <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "No", Attending.Germantown == "Yes")  
GT.Student.Gender <- select(GT, Gender)  
GT.studentGenderTable <- as.data.frame(table(GT.Student.Gender))  
  
GT.studentGender <- arrange(GT.studentGenderTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
GT.studentGender

## GT.Student.Gender Freq Share.Enrollment  
## 1 Female 1970 0.536  
## 2 Male 1701 0.463  
## 3 Unknown 1 0.000

GT <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "No", Attending.Germantown == "Yes")  
GT.Student.Race <- select(GT, Race)  
GT.studentRaceTable <- as.data.frame(table(GT.Student.Race))  
  
GT.studentRace <- arrange(GT.studentRaceTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
GT.studentRace

## GT.Student.Race Freq Share.Enrollment  
## 1 White 1702 0.464  
## 2 Black 965 0.263  
## 3 Asian 473 0.129  
## 4 Hispanic 262 0.071  
## 5 Multi-Race 162 0.044  
## 6 Native American 55 0.015  
## 7 Pacific Islander 47 0.013  
## 8 Unknown 6 0.002

GT <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "No", Attending.Germantown == "Yes")  
GT.Student.Age.Group <- select(GT, Age.Group)  
GT.studentAgeGroupTable <- as.data.frame(table(GT.Student.Age.Group))  
  
GT.studentAgeGroup <- arrange(GT.studentAgeGroupTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
GT.studentAgeGroup

## GT.Student.Age.Group Freq Share.Enrollment  
## 1 20 or Younger 1760 0.479  
## 2 21 - 24 775 0.211  
## 3 30 or Older 737 0.201  
## 4 25 - 29 400 0.109  
## 5 Unknown 0 0.000

GT <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "No", Attending.Germantown == "Yes")  
GT.Student.City <- select(GT, City.in.MD)  
GT.studentCityTable <- as.data.frame(table(GT.Student.City))  
  
GT.studentCity <- arrange(GT.studentCityTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
GT.studentCity

## GT.Student.City Freq Share.Enrollment  
## 1 Germantown 1247 0.340  
## 2 Gaithersburg 735 0.200  
## 3 Montgomery Village 293 0.080  
## 4 Silver Spring 243 0.066  
## 5 Clarksburg 196 0.053  
## 6 Damascus 179 0.049  
## 7 Rockville 137 0.037  
## 8 Boyds 114 0.031  
## 9 Olney 59 0.016  
## 10 Poolesville 59 0.016  
## 11 North Potomac 41 0.011  
## 12 Bethesda 40 0.011  
## 13 Potomac 40 0.011  
## 14 Derwood 35 0.010  
## 15 Brookeville 26 0.007  
## 16 Frederick 26 0.007  
## 17 Dickerson 16 0.004  
## 18 Laytonsville 14 0.004  
## 19 Washington 13 0.004  
## 20 Mount Airy 12 0.003  
## 21 Kensington 10 0.003  
## 22 Burtonsville 9 0.002  
## 23 8 0.002  
## 24 Laurel 8 0.002  
## 25 Ijamsville 7 0.002  
## 26 Takoma Park 7 0.002  
## 27 Hyattsville 6 0.002  
## 28 Sandy Spring 5 0.001  
## 29 Chevy Chase 4 0.001  
## 30 College Park 4 0.001  
## 31 Darnestown 4 0.001  
## 32 Hagerstown 4 0.001  
## 33 Sykesville 4 0.001  
## 34 Ashton 3 0.001  
## 35 Barnesville 3 0.001  
## 36 Beallsville 2 0.001  
## 37 Beltsville 2 0.001  
## 38 Brinklow 2 0.001  
## 39 Clinton 2 0.001  
## 40 Garrett Park 2 0.001  
## 41 Lanham 2 0.001  
## 42 New Market 2 0.001  
## 43 Riverdale 2 0.001  
## 44 Spencerville 2 0.001  
## 45 Vienna 2 0.001  
## 46 Woodbine 2 0.001  
## 47 Adamstown 1 0.000  
## 48 Annandale 1 0.000  
## 49 Annapolis 1 0.000  
## 50 Baltimore 1 0.000  
## 51 Bellefonte 1 0.000  
## 52 Bowie 1 0.000  
## 53 Brandywine 1 0.000  
## 54 Brentwood 1 0.000  
## 55 Clarkburg 1 0.000  
## 56 Clear Spring 1 0.000  
## 57 Falls Church 1 0.000  
## 58 Fort Washington 1 0.000  
## 59 Germnatown 1 0.000  
## 60 Glen Burnie 1 0.000  
## 61 Glenarden 1 0.000  
## 62 Glenn Dale 1 0.000  
## 63 Graham 1 0.000  
## 64 Harpers Ferry 1 0.000  
## 65 Highland 1 0.000  
## 66 Landover 1 0.000  
## 67 Marriottsville 1 0.000  
## 68 Middletown 1 0.000  
## 69 Monrovia 1 0.000  
## 70 Myersville 1 0.000  
## 71 New Carrollton 1 0.000  
## 72 North Bethesda 1 0.000  
## 73 Nottingham 1 0.000  
## 74 Oxon Hill 1 0.000  
## 75 Pittsburgh 1 0.000  
## 76 Rohrersville 1 0.000  
## 77 Springfield 1 0.000  
## 78 Sterling 1 0.000  
## 79 Temple Hills 1 0.000  
## 80 Towson 1 0.000  
## 81 Upper Marlboro 1 0.000  
## 82 Waldorf 1 0.000  
## 83 Williamsport 1 0.000  
## 84 Windsor Mill 1 0.000  
## 85 Woodsboro 1 0.000  
## 86 Abingdon 0 0.000  
## 87 Accokeek 0 0.000  
## 88 Adelphi 0 0.000  
## 89 Albany 0 0.000  
## 90 Aldie 0 0.000  
## 91 Alexandria 0 0.000  
## 92 Alva 0 0.000  
## 93 Arlington 0 0.000  
## 94 Ashburn 0 0.000  
## 95 Aspen Hill 0 0.000  
## 96 Atlanta 0 0.000  
## 97 Berlin 0 0.000  
## 98 Berwyn Heights 0 0.000  
## 99 Betheada 0 0.000  
## 100 Bladensburg 0 0.000  
## 101 Boca Raton 0 0.000  
## 102 Bolling AFB 0 0.000  
## 103 Boonsboro 0 0.000  
## 104 Bridgeville 0 0.000  
## 105 Bronx 0 0.000  
## 106 Brooklyn 0 0.000  
## 107 Brunswick 0 0.000  
## 108 Burke 0 0.000  
## 109 Cabin John 0 0.000  
## 110 California 0 0.000  
## 111 Camillus 0 0.000  
## 112 Camp Springs 0 0.000  
## 113 Capitol Heights 0 0.000  
## 114 Carrboro 0 0.000  
## 115 Catonsville 0 0.000  
## 116 Centreville 0 0.000  
## 117 Chantilly 0 0.000  
## 118 Chapel Hill 0 0.000  
## 119 Charleston 0 0.000  
## 120 Chesapeake Beach 0 0.000  
## 121 Chestertown 0 0.000  
## 122 Cheverly 0 0.000  
## 123 Chillum 0 0.000  
## 124 Clarksbrug 0 0.000  
## 125 Clifton 0 0.000  
## 126 Cockeysville 0 0.000  
## 127 Colonial Heights 0 0.000  
## 128 Columbia 0 0.000  
## 129 Columbus 0 0.000  
## 130 Cooksville 0 0.000  
## 131 Dallas 0 0.000  
## 132 District Heights 0 0.000  
## 133 Dover 0 0.000  
## 134 Dunkirk 0 0.000  
## 135 Dunn Loring 0 0.000  
## 136 East Liverpool 0 0.000  
## 137 Easton 0 0.000  
## 138 Edgewood 0 0.000  
## 139 Elkridge 0 0.000  
## 140 Ellicott City 0 0.000  
## 141 Fairfax 0 0.000  
## 142 Fairmount Heights 0 0.000  
## 143 Farmville 0 0.000  
## 144 Fayetteville 0 0.000  
## 145 Fulton 0 0.000  
## 146 Gaitersburg 0 0.000  
## 147 Gaitherburg 0 0.000  
## 148 Gaithursburg 0 0.000  
## 149 Garrett Parkd 0 0.000  
## 150 Germatown 0 0.000  
## 151 Gettysburg 0 0.000  
## 152 Glen Echo 0 0.000  
## 153 Glenwood 0 0.000  
## 154 Grand Rapids 0 0.000  
## 155 Grasonville 0 0.000  
## 156 Greenbelt 0 0.000  
## 157 Greenwich 0 0.000  
## 158 Hancock 0 0.000  
## 159 Hanover 0 0.000  
## 160 Harrisburg 0 0.000  
## 161 Harrisonburg 0 0.000  
## 162 Hercules 0 0.000  
## 163 Herndon 0 0.000  
## 164 Howard City 0 0.000  
## 165 Hughesville 0 0.000  
## 166 Indian Head 0 0.000  
## 167 Irmo 0 0.000  
## 168 Irving 0 0.000  
## 169 Jessup 0 0.000  
## 170 Knoxville 0 0.000  
## 171 Larbo 0 0.000  
## 172 Largo 0 0.000  
## 173 Lovettsville 0 0.000  
## 174 Lutherville Timonium 0 0.000  
## 175 Manassas Park 0 0.000  
## 176 Marbury 0 0.000  
## 177 Marietta 0 0.000  
## 178 Marshfield 0 0.000  
## 179 Martinsburg 0 0.000  
## 180 Mc Lean 0 0.000  
## 181 McLean 0 0.000  
## 182 Merrick 0 0.000  
## 183 Middle River 0 0.000  
## 184 Millersville 0 0.000  
## 185 Millsboro 0 0.000  
## 186 Mitchellville 0 0.000  
## 187 Mount Rainier 0 0.000  
## 188 Nairobi 0 0.000  
## 189 Nashville 0 0.000  
## 190 New Hope 0 0.000  
## 191 New York 0 0.000  
## 192 Newark 0 0.000  
## 193 North Brentwood 0 0.000  
## 194 Odenton 0 0.000  
## 195 OLNEY 0 0.000  
## 196 Owings Mills 0 0.000  
## 197 Parkville 0 0.000  
## 198 Pasadena 0 0.000  
## 199 Philadelphia 0 0.000  
## 200 Pikesville 0 0.000  
## 201 Prince Frederick 0 0.000  
## 202 Quantico 0 0.000  
## 203 Reisterstown 0 0.000  
## 204 Rockille 0 0.000  
## 205 Rosedale 0 0.000  
## 206 Roswell 0 0.000  
## 207 Saint Charles 0 0.000  
## 208 Salisbury 0 0.000  
## 209 San Fernando 0 0.000  
## 210 San Francisco 0 0.000  
## 211 San Juan 0 0.000  
## 212 Savannah 0 0.000  
## 213 Severn 0 0.000  
## 214 Shepherdstown 0 0.000  
## 215 SIiver Spring 0 0.000  
## 216 Silver Sping 0 0.000  
## 217 silver spring 0 0.000  
## 218 Sliver Spring 0 0.000  
## 219 Smyrna 0 0.000  
## 220 Springdale 0 0.000  
## 221 Suitland 0 0.000  
## 222 Syracuse 0 0.000  
## 223 Tampa 0 0.000  
## 224 The Plains 0 0.000  
## 225 Twinsburg 0 0.000  
## 226 University Park 0 0.000  
## 227 Upper Malboro 0 0.000  
## 228 Van Nuys 0 0.000  
## 229 Ventura 0 0.000  
## 230 Wagener 0 0.000  
## 231 Walkersville 0 0.000  
## 232 Walnut Creek 0 0.000  
## 233 Washington Grove 0 0.000  
## 234 Waynesboro 0 0.000  
## 235 West Friendship 0 0.000  
## 236 Westminster 0 0.000  
## 237 Westport 0 0.000  
## 238 Wheaton 0 0.000  
## 239 White Plains 0 0.000  
## 240 Winchester 0 0.000  
## 241 Windsor 0 0.000  
## 242 Woodbridge 0 0.000

GT <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "No", Attending.Germantown == "Yes")  
GT.Student.Program <- select(GT, MC.Program.Description)  
GT.studentProgramTable <- as.data.frame(table(GT.Student.Program))  
  
GT.studentProgram <- arrange(GT.studentProgramTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
GT.studentProgram

## GT.Student.Program Freq  
## 1 General Studies (AA - All Tracks) 1249  
## 2 Health Sciences (Pre-Clinical Studies) 425  
## 3 Business / International Business (AA) 340  
## 4 Science (AS - All Tracks) 190  
## 5 Credit (Undeclared / Undecided) 168  
## 6 Education / Teacher Education (AA & AAT) 168  
## 7 Engineering Science (AA & AS - All Tracks) 166  
## 8 Computer Science & Technologies (AA - All Tracks) 112  
## 9 Cybersecurity (AAS) 111  
## 10 Criminal Justice (AA & AAS) 91  
## 11 Arts & Sciences Transfer (AA - All Tracks) 82  
## 12 Accounting (AA & AAS) 53  
## 13 Biotechnology (AA & AAS) 42  
## 14 Computer Gaming & Simulation (AA - All Tracks) 39  
## 15 Microcomputer Technician (AA & AAS) 35  
## 16 Communication Studies (AA) 33  
## 17 Computer Science - Computer Programming (CT) 27  
## 18 Early Childhood Education (CT) 27  
## 19 Landscape Technology (AA & AAS) 23  
## 20 Automotive Technology (AA & AAS) 20  
## 21 Computer Applications (AA & AAS) 20  
## 22 Landscape Technology (CT) 20  
## 23 Biotechnology (CT) 16  
## 24 Accounting (CT) 15  
## 25 Hospitality Management (AA & AAS) 15  
## 26 Computer Applications (CT) 14  
## 27 Commun & Broadcasting Tech (CT) 13  
## 28 Paralegal Studies (AA & AAS) 13  
## 29 Early Childhood Education (AA & AAS) 12  
## 30 Graphic Design (AA, AAS, & AFA - All Tracks) 12  
## 31 Hospitality Management (CT) 8  
## 32 Mental Health Associate (AA & AAS) 8  
## 33 Architectural & Construction Tech (AA & AAS) 7  
## 34 Commun & Broadcasting Tech (AA & AAS - All Tracks) 7  
## 35 Paralegal Studies (CT) 7  
## 36 Digital Media & Web Technology (AAS) 5  
## 37 Network & Wireless Technologies (CT) 5  
## 38 Photography (AA & AAS) 5  
## 39 School of Art & Design - Applicants 5  
## 40 Arts & Sciences Transfer (CT) 4  
## 41 Network Engineer/Administration (CT) 4  
## 42 Nursing (AA & AAS) 4  
## 43 Photography (CT) 4  
## 44 Building Trades Technology (AA & AAS) 3  
## 45 Fire Sci./Preven., Emerg. Prepare. (AA, AS & AAS) 3  
## 46 Music Transfer (CT) 3  
## 47 Paralegal Studies - Legal Analysis (LR) 3  
## 48 Specialized Art Transfer (CT) 3  
## 49 Automotive Technology (CT) 2  
## 50 Computer Graphics / Graphic Design (CT) 2  
## 51 Digital Media & Web Technology (CT) 2  
## 52 Ethnic Studies (CT) 2  
## 53 Exercise Sci - Personal Trainer (CT) 2  
## 54 Exercise Sci - Personal Trainer (LR) 2  
## 55 Microcomputer Technician (CT) 2  
## 56 Studio Art (AFA) 2  
## 57 American Sign Language (AA & AAS) 1  
## 58 Applied Geography (AA & AAS) 1  
## 59 Architect. & Construct. Tech - Sustainability (LR) 1  
## 60 Building Trades Technology (CT) 1  
## 61 Cybersecurity (CT) 1  
## 62 Early Childhood Education (LR) 1  
## 63 Ethnic Social Studies (LR) 1  
## 64 Fire Science (LR) 1  
## 65 Health Information Management (AA & AAS) 1  
## 66 Hospitality Management (LR) 1  
## 67 Information Systems Secirity 1  
## 68 Interior Design (CT) 1  
## 69 Management (AA & AAS - All Tracks) 1  
## 70 Management (CT) 1  
## 71 Management (LR) 1  
## 72 Printing Management (AA & AAS) 1  
## 73 Printing Management (CT) 1  
## 74 Administrative Support Tech (CT) 0  
## 75 American Sign Language (CT) 0  
## 76 Building Trades Technology (LR) 0  
## 77 Cartography & Geographic Ed / Info Sys (CT) 0  
## 78 Computer Graphics / Graphic Design (AAS) 0  
## 79 Diagnostic Medical Sonography (AA & AAS) 0  
## 80 Diagnostic Medical Sonography (CT) 0  
## 81 Electromechanical Sys Eng Tech (AA & AAS - Discnt) 0  
## 82 Eng Technologies (AA & AAS - Discontinued) 0  
## 83 Fire Sci./Preven., Emergency Prepare. (CT) 0  
## 84 Graphic Design (AFA) - School of Art & Design 0  
## 85 Interior Design - PreProfessional (AAS) 0  
## 86 Management of Construction (CT) 0  
## 87 Medical Coder/Abstractr/Biller (CT) 0  
## 88 Physical Therapist Assistant (AAS) 0  
## 89 Polysomnography Technology (CT) 0  
## 90 Radiologic (X-Ray) Technology (AA & AAS) 0  
## 91 Recreation Leadership (AA) 0  
## 92 Studio Art (AFA) - School of Art & Design 0  
## 93 Surgical Technologist (AAS) 0  
## 94 Technical Writing (CT) 0  
## 95 WIA (CE) Programs 0  
## 96 Women's Studies (CT) 0  
## Share.Enrollment  
## 1 0.340  
## 2 0.116  
## 3 0.093  
## 4 0.052  
## 5 0.046  
## 6 0.046  
## 7 0.045  
## 8 0.031  
## 9 0.030  
## 10 0.025  
## 11 0.022  
## 12 0.014  
## 13 0.011  
## 14 0.011  
## 15 0.010  
## 16 0.009  
## 17 0.007  
## 18 0.007  
## 19 0.006  
## 20 0.005  
## 21 0.005  
## 22 0.005  
## 23 0.004  
## 24 0.004  
## 25 0.004  
## 26 0.004  
## 27 0.004  
## 28 0.004  
## 29 0.003  
## 30 0.003  
## 31 0.002  
## 32 0.002  
## 33 0.002  
## 34 0.002  
## 35 0.002  
## 36 0.001  
## 37 0.001  
## 38 0.001  
## 39 0.001  
## 40 0.001  
## 41 0.001  
## 42 0.001  
## 43 0.001  
## 44 0.001  
## 45 0.001  
## 46 0.001  
## 47 0.001  
## 48 0.001  
## 49 0.001  
## 50 0.001  
## 51 0.001  
## 52 0.001  
## 53 0.001  
## 54 0.001  
## 55 0.001  
## 56 0.001  
## 57 0.000  
## 58 0.000  
## 59 0.000  
## 60 0.000  
## 61 0.000  
## 62 0.000  
## 63 0.000  
## 64 0.000  
## 65 0.000  
## 66 0.000  
## 67 0.000  
## 68 0.000  
## 69 0.000  
## 70 0.000  
## 71 0.000  
## 72 0.000  
## 73 0.000  
## 74 0.000  
## 75 0.000  
## 76 0.000  
## 77 0.000  
## 78 0.000  
## 79 0.000  
## 80 0.000  
## 81 0.000  
## 82 0.000  
## 83 0.000  
## 84 0.000  
## 85 0.000  
## 86 0.000  
## 87 0.000  
## 88 0.000  
## 89 0.000  
## 90 0.000  
## 91 0.000  
## 92 0.000  
## 93 0.000  
## 94 0.000  
## 95 0.000  
## 96 0.000

# 

# 

Multiple Campus

Reviewing the data file we see that some students were marked as “yes” for multiple campuses

![That could make for some really long drives!](data:text/html; charset=utf-8;base64,)

That could make for some really long drives!

Student body details (Takoma Park/Rockville)

TP.RV <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "Yes", Attending.Germantown == "No")  
TP.RV.Student.Type <- select(TP.RV, Student.Type)  
TP.RV.studentTypeTable <- as.data.frame(table(TP.RV.Student.Type))  
  
TP.RV.studentType <- arrange(TP.RV.studentTypeTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.RV.studentType

## TP.RV.Student.Type Freq Share.Enrollment  
## 1 Continuing 1630 0.786  
## 2 New 295 0.142  
## 3 Transfer no degree 126 0.061  
## 4 Transfer with degree 19 0.009  
## 5 Transfer 3 0.001  
## 6 HS Student 0 0.000  
## 7 New/No HS 0 0.000

TP.RV <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "Yes", Attending.Germantown == "No")  
TP.RV.Student.Gender <- select(TP.RV, Gender)  
TP.RV.studentGenderTable <- as.data.frame(table(TP.RV.Student.Gender))  
  
TP.RV.studentGender <- arrange(TP.RV.studentGenderTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.RV.studentGender

## TP.RV.Student.Gender Freq Share.Enrollment  
## 1 Female 1118 0.539  
## 2 Male 955 0.461  
## 3 Unknown 0 0.000

TP.RV <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "Yes", Attending.Germantown == "No")  
TP.RV.Student.Race <- select(TP.RV, Race)  
TP.RV.studentRaceTable <- as.data.frame(table(TP.RV.Student.Race))  
  
TP.RV.studentRace <- arrange(TP.RV.studentRaceTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.RV.studentRace

## TP.RV.Student.Race Freq Share.Enrollment  
## 1 Black 965 0.466  
## 2 White 614 0.296  
## 3 Asian 210 0.101  
## 4 Hispanic 170 0.082  
## 5 Multi-Race 56 0.027  
## 6 Native American 43 0.021  
## 7 Pacific Islander 13 0.006  
## 8 Unknown 2 0.001

TP.RV <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "Yes", Attending.Germantown == "No")  
TP.RV.Student.Age.Group <- select(TP.RV, Age.Group)  
TP.RV.studentAgeGroupTable <- as.data.frame(table(TP.RV.Student.Age.Group))  
  
TP.RV.studentAgeGroup <- arrange(TP.RV.studentAgeGroupTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.RV.studentAgeGroup

## TP.RV.Student.Age.Group Freq Share.Enrollment  
## 1 20 or Younger 730 0.352  
## 2 21 - 24 547 0.264  
## 3 30 or Older 468 0.226  
## 4 25 - 29 328 0.158  
## 5 Unknown 0 0.000

TP.RV <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "Yes", Attending.Germantown == "No")  
TP.RV.Student.City <- select(TP.RV, City.in.MD)  
TP.RV.studentCityTable <- as.data.frame(table(TP.RV.Student.City))  
  
TP.RV.studentCity <- arrange(TP.RV.studentCityTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.RV.studentCity

## TP.RV.Student.City Freq Share.Enrollment  
## 1 Silver Spring 1014 0.489  
## 2 Rockville 167 0.081  
## 3 Gaithersburg 106 0.051  
## 4 Takoma Park 89 0.043  
## 5 Washington 87 0.042  
## 6 Germantown 61 0.029  
## 7 Bethesda 58 0.028  
## 8 Hyattsville 53 0.026  
## 9 Burtonsville 41 0.020  
## 10 Olney 34 0.016  
## 11 Montgomery Village 33 0.016  
## 12 Kensington 31 0.015  
## 13 Potomac 28 0.014  
## 14 Chevy Chase 19 0.009  
## 15 Beltsville 17 0.008  
## 16 Laurel 17 0.008  
## 17 Clarksburg 13 0.006  
## 18 11 0.005  
## 19 Adelphi 11 0.005  
## 20 Derwood 11 0.005  
## 21 North Potomac 11 0.005  
## 22 Bowie 10 0.005  
## 23 College Park 10 0.005  
## 24 Damascus 8 0.004  
## 25 Greenbelt 8 0.004  
## 26 Riverdale 8 0.004  
## 27 Lanham 7 0.003  
## 28 New Carrollton 6 0.003  
## 29 Temple Hills 6 0.003  
## 30 Capitol Heights 5 0.002  
## 31 Upper Marlboro 5 0.002  
## 32 Bladensburg 4 0.002  
## 33 Brookeville 4 0.002  
## 34 District Heights 4 0.002  
## 35 Fort Washington 4 0.002  
## 36 Mount Rainier 4 0.002  
## 37 Oxon Hill 4 0.002  
## 38 Sandy Spring 4 0.002  
## 39 Baltimore 3 0.001  
## 40 Frederick 3 0.001  
## 41 Glenarden 3 0.001  
## 42 Laytonsville 3 0.001  
## 43 Waldorf 3 0.001  
## 44 Boyds 2 0.001  
## 45 Brentwood 2 0.001  
## 46 Cabin John 2 0.001  
## 47 Cheverly 2 0.001  
## 48 Clinton 2 0.001  
## 49 Hanover 2 0.001  
## 50 Alexandria 1 0.000  
## 51 Ashton 1 0.000  
## 52 Barnesville 1 0.000  
## 53 Berwyn Heights 1 0.000  
## 54 Boonsboro 1 0.000  
## 55 Brunswick 1 0.000  
## 56 Columbia 1 0.000  
## 57 Dallas 1 0.000  
## 58 Darnestown 1 0.000  
## 59 Dickerson 1 0.000  
## 60 Dunkirk 1 0.000  
## 61 Elkridge 1 0.000  
## 62 Grasonville 1 0.000  
## 63 Hagerstown 1 0.000  
## 64 Millsboro 1 0.000  
## 65 Mount Airy 1 0.000  
## 66 Nashville 1 0.000  
## 67 New Hope 1 0.000  
## 68 New York 1 0.000  
## 69 North Bethesda 1 0.000  
## 70 Parkville 1 0.000  
## 71 Poolesville 1 0.000  
## 72 Salisbury 1 0.000  
## 73 Savannah 1 0.000  
## 74 Severn 1 0.000  
## 75 Sliver Spring 1 0.000  
## 76 Smyrna 1 0.000  
## 77 Suitland 1 0.000  
## 78 University Park 1 0.000  
## 79 Ventura 1 0.000  
## 80 Washington Grove 1 0.000  
## 81 Waynesboro 1 0.000  
## 82 White Plains 1 0.000  
## 83 Abingdon 0 0.000  
## 84 Accokeek 0 0.000  
## 85 Adamstown 0 0.000  
## 86 Albany 0 0.000  
## 87 Aldie 0 0.000  
## 88 Alva 0 0.000  
## 89 Annandale 0 0.000  
## 90 Annapolis 0 0.000  
## 91 Arlington 0 0.000  
## 92 Ashburn 0 0.000  
## 93 Aspen Hill 0 0.000  
## 94 Atlanta 0 0.000  
## 95 Beallsville 0 0.000  
## 96 Bellefonte 0 0.000  
## 97 Berlin 0 0.000  
## 98 Betheada 0 0.000  
## 99 Boca Raton 0 0.000  
## 100 Bolling AFB 0 0.000  
## 101 Brandywine 0 0.000  
## 102 Bridgeville 0 0.000  
## 103 Brinklow 0 0.000  
## 104 Bronx 0 0.000  
## 105 Brooklyn 0 0.000  
## 106 Burke 0 0.000  
## 107 California 0 0.000  
## 108 Camillus 0 0.000  
## 109 Camp Springs 0 0.000  
## 110 Carrboro 0 0.000  
## 111 Catonsville 0 0.000  
## 112 Centreville 0 0.000  
## 113 Chantilly 0 0.000  
## 114 Chapel Hill 0 0.000  
## 115 Charleston 0 0.000  
## 116 Chesapeake Beach 0 0.000  
## 117 Chestertown 0 0.000  
## 118 Chillum 0 0.000  
## 119 Clarkburg 0 0.000  
## 120 Clarksbrug 0 0.000  
## 121 Clear Spring 0 0.000  
## 122 Clifton 0 0.000  
## 123 Cockeysville 0 0.000  
## 124 Colonial Heights 0 0.000  
## 125 Columbus 0 0.000  
## 126 Cooksville 0 0.000  
## 127 Dover 0 0.000  
## 128 Dunn Loring 0 0.000  
## 129 East Liverpool 0 0.000  
## 130 Easton 0 0.000  
## 131 Edgewood 0 0.000  
## 132 Ellicott City 0 0.000  
## 133 Fairfax 0 0.000  
## 134 Fairmount Heights 0 0.000  
## 135 Falls Church 0 0.000  
## 136 Farmville 0 0.000  
## 137 Fayetteville 0 0.000  
## 138 Fulton 0 0.000  
## 139 Gaitersburg 0 0.000  
## 140 Gaitherburg 0 0.000  
## 141 Gaithursburg 0 0.000  
## 142 Garrett Park 0 0.000  
## 143 Garrett Parkd 0 0.000  
## 144 Germatown 0 0.000  
## 145 Germnatown 0 0.000  
## 146 Gettysburg 0 0.000  
## 147 Glen Burnie 0 0.000  
## 148 Glen Echo 0 0.000  
## 149 Glenn Dale 0 0.000  
## 150 Glenwood 0 0.000  
## 151 Graham 0 0.000  
## 152 Grand Rapids 0 0.000  
## 153 Greenwich 0 0.000  
## 154 Hancock 0 0.000  
## 155 Harpers Ferry 0 0.000  
## 156 Harrisburg 0 0.000  
## 157 Harrisonburg 0 0.000  
## 158 Hercules 0 0.000  
## 159 Herndon 0 0.000  
## 160 Highland 0 0.000  
## 161 Howard City 0 0.000  
## 162 Hughesville 0 0.000  
## 163 Ijamsville 0 0.000  
## 164 Indian Head 0 0.000  
## 165 Irmo 0 0.000  
## 166 Irving 0 0.000  
## 167 Jessup 0 0.000  
## 168 Knoxville 0 0.000  
## 169 Landover 0 0.000  
## 170 Larbo 0 0.000  
## 171 Largo 0 0.000  
## 172 Lovettsville 0 0.000  
## 173 Lutherville Timonium 0 0.000  
## 174 Manassas Park 0 0.000  
## 175 Marbury 0 0.000  
## 176 Marietta 0 0.000  
## 177 Marriottsville 0 0.000  
## 178 Marshfield 0 0.000  
## 179 Martinsburg 0 0.000  
## 180 Mc Lean 0 0.000  
## 181 McLean 0 0.000  
## 182 Merrick 0 0.000  
## 183 Middle River 0 0.000  
## 184 Middletown 0 0.000  
## 185 Millersville 0 0.000  
## 186 Mitchellville 0 0.000  
## 187 Monrovia 0 0.000  
## 188 Myersville 0 0.000  
## 189 Nairobi 0 0.000  
## 190 New Market 0 0.000  
## 191 Newark 0 0.000  
## 192 North Brentwood 0 0.000  
## 193 Nottingham 0 0.000  
## 194 Odenton 0 0.000  
## 195 OLNEY 0 0.000  
## 196 Owings Mills 0 0.000  
## 197 Pasadena 0 0.000  
## 198 Philadelphia 0 0.000  
## 199 Pikesville 0 0.000  
## 200 Pittsburgh 0 0.000  
## 201 Prince Frederick 0 0.000  
## 202 Quantico 0 0.000  
## 203 Reisterstown 0 0.000  
## 204 Rockille 0 0.000  
## 205 Rohrersville 0 0.000  
## 206 Rosedale 0 0.000  
## 207 Roswell 0 0.000  
## 208 Saint Charles 0 0.000  
## 209 San Fernando 0 0.000  
## 210 San Francisco 0 0.000  
## 211 San Juan 0 0.000  
## 212 Shepherdstown 0 0.000  
## 213 SIiver Spring 0 0.000  
## 214 Silver Sping 0 0.000  
## 215 silver spring 0 0.000  
## 216 Spencerville 0 0.000  
## 217 Springdale 0 0.000  
## 218 Springfield 0 0.000  
## 219 Sterling 0 0.000  
## 220 Sykesville 0 0.000  
## 221 Syracuse 0 0.000  
## 222 Tampa 0 0.000  
## 223 The Plains 0 0.000  
## 224 Towson 0 0.000  
## 225 Twinsburg 0 0.000  
## 226 Upper Malboro 0 0.000  
## 227 Van Nuys 0 0.000  
## 228 Vienna 0 0.000  
## 229 Wagener 0 0.000  
## 230 Walkersville 0 0.000  
## 231 Walnut Creek 0 0.000  
## 232 West Friendship 0 0.000  
## 233 Westminster 0 0.000  
## 234 Westport 0 0.000  
## 235 Wheaton 0 0.000  
## 236 Williamsport 0 0.000  
## 237 Winchester 0 0.000  
## 238 Windsor 0 0.000  
## 239 Windsor Mill 0 0.000  
## 240 Woodbine 0 0.000  
## 241 Woodbridge 0 0.000  
## 242 Woodsboro 0 0.000

TP.RV <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "Yes", Attending.Germantown == "No")  
TP.RV.Student.Program <- select(TP.RV, MC.Program.Description)  
TP.RV.studentProgramTable <- as.data.frame(table(TP.RV.Student.Program))  
  
TP.RV.studentProgram <- arrange(TP.RV.studentProgramTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.RV.studentProgram

## TP.RV.Student.Program Freq  
## 1 General Studies (AA - All Tracks) 570  
## 2 Health Sciences (Pre-Clinical Studies) 320  
## 3 Business / International Business (AA) 204  
## 4 Science (AS - All Tracks) 124  
## 5 Engineering Science (AA & AS - All Tracks) 122  
## 6 Arts & Sciences Transfer (AA - All Tracks) 101  
## 7 Computer Science & Technologies (AA - All Tracks) 78  
## 8 Education / Teacher Education (AA & AAT) 70  
## 9 Credit (Undeclared / Undecided) 60  
## 10 Criminal Justice (AA & AAS) 48  
## 11 Nursing (AA & AAS) 28  
## 12 Communication Studies (AA) 26  
## 13 Architectural & Construction Tech (AA & AAS) 23  
## 14 Computer Applications (AA & AAS) 19  
## 15 Graphic Design (AA, AAS, & AFA - All Tracks) 19  
## 16 Accounting (AA & AAS) 17  
## 17 Hospitality Management (AA & AAS) 17  
## 18 Studio Art (AFA) 17  
## 19 Mental Health Associate (AA & AAS) 15  
## 20 Computer Gaming & Simulation (AA - All Tracks) 14  
## 21 Automotive Technology (AA & AAS) 13  
## 22 Cybersecurity (AAS) 13  
## 23 Paralegal Studies (AA & AAS) 12  
## 24 Commun & Broadcasting Tech (AA & AAS - All Tracks) 11  
## 25 Health Information Management (AA & AAS) 11  
## 26 Commun & Broadcasting Tech (CT) 9  
## 27 Photography (AA & AAS) 9  
## 28 Building Trades Technology (AA & AAS) 8  
## 29 Computer Applications (CT) 8  
## 30 Early Childhood Education (CT) 7  
## 31 Computer Science - Computer Programming (CT) 6  
## 32 School of Art & Design - Applicants 6  
## 33 Arts & Sciences Transfer (CT) 5  
## 34 Biotechnology (AA & AAS) 5  
## 35 Fire Sci./Preven., Emerg. Prepare. (AA, AS & AAS) 5  
## 36 Polysomnography Technology (CT) 5  
## 37 Accounting (CT) 4  
## 38 Early Childhood Education (AA & AAS) 4  
## 39 Graphic Design (AFA) - School of Art & Design 4  
## 40 Interior Design - PreProfessional (AAS) 4  
## 41 Computer Graphics / Graphic Design (AAS) 3  
## 42 American Sign Language (AA & AAS) 2  
## 43 Applied Geography (AA & AAS) 2  
## 44 Building Trades Technology (CT) 2  
## 45 Digital Media & Web Technology (AAS) 2  
## 46 Digital Media & Web Technology (CT) 2  
## 47 Management (CT) 2  
## 48 Management of Construction (CT) 2  
## 49 Network Engineer/Administration (CT) 2  
## 50 Paralegal Studies (CT) 2  
## 51 Studio Art (AFA) - School of Art & Design 2  
## 52 Automotive Technology (CT) 1  
## 53 Cartography & Geographic Ed / Info Sys (CT) 1  
## 54 Computer Graphics / Graphic Design (CT) 1  
## 55 Hospitality Management (CT) 1  
## 56 Interior Design (CT) 1  
## 57 Music Transfer (CT) 1  
## 58 Photography (CT) 1  
## 59 Radiologic (X-Ray) Technology (AA & AAS) 1  
## 60 Specialized Art Transfer (CT) 1  
## 61 Administrative Support Tech (CT) 0  
## 62 American Sign Language (CT) 0  
## 63 Architect. & Construct. Tech - Sustainability (LR) 0  
## 64 Biotechnology (CT) 0  
## 65 Building Trades Technology (LR) 0  
## 66 Cybersecurity (CT) 0  
## 67 Diagnostic Medical Sonography (AA & AAS) 0  
## 68 Diagnostic Medical Sonography (CT) 0  
## 69 Early Childhood Education (LR) 0  
## 70 Electromechanical Sys Eng Tech (AA & AAS - Discnt) 0  
## 71 Eng Technologies (AA & AAS - Discontinued) 0  
## 72 Ethnic Social Studies (LR) 0  
## 73 Ethnic Studies (CT) 0  
## 74 Exercise Sci - Personal Trainer (CT) 0  
## 75 Exercise Sci - Personal Trainer (LR) 0  
## 76 Fire Sci./Preven., Emergency Prepare. (CT) 0  
## 77 Fire Science (LR) 0  
## 78 Hospitality Management (LR) 0  
## 79 Information Systems Secirity 0  
## 80 Landscape Technology (AA & AAS) 0  
## 81 Landscape Technology (CT) 0  
## 82 Management (AA & AAS - All Tracks) 0  
## 83 Management (LR) 0  
## 84 Medical Coder/Abstractr/Biller (CT) 0  
## 85 Microcomputer Technician (AA & AAS) 0  
## 86 Microcomputer Technician (CT) 0  
## 87 Network & Wireless Technologies (CT) 0  
## 88 Paralegal Studies - Legal Analysis (LR) 0  
## 89 Physical Therapist Assistant (AAS) 0  
## 90 Printing Management (AA & AAS) 0  
## 91 Printing Management (CT) 0  
## 92 Recreation Leadership (AA) 0  
## 93 Surgical Technologist (AAS) 0  
## 94 Technical Writing (CT) 0  
## 95 WIA (CE) Programs 0  
## 96 Women's Studies (CT) 0  
## Share.Enrollment  
## 1 0.275  
## 2 0.154  
## 3 0.098  
## 4 0.060  
## 5 0.059  
## 6 0.049  
## 7 0.038  
## 8 0.034  
## 9 0.029  
## 10 0.023  
## 11 0.014  
## 12 0.013  
## 13 0.011  
## 14 0.009  
## 15 0.009  
## 16 0.008  
## 17 0.008  
## 18 0.008  
## 19 0.007  
## 20 0.007  
## 21 0.006  
## 22 0.006  
## 23 0.006  
## 24 0.005  
## 25 0.005  
## 26 0.004  
## 27 0.004  
## 28 0.004  
## 29 0.004  
## 30 0.003  
## 31 0.003  
## 32 0.003  
## 33 0.002  
## 34 0.002  
## 35 0.002  
## 36 0.002  
## 37 0.002  
## 38 0.002  
## 39 0.002  
## 40 0.002  
## 41 0.001  
## 42 0.001  
## 43 0.001  
## 44 0.001  
## 45 0.001  
## 46 0.001  
## 47 0.001  
## 48 0.001  
## 49 0.001  
## 50 0.001  
## 51 0.001  
## 52 0.000  
## 53 0.000  
## 54 0.000  
## 55 0.000  
## 56 0.000  
## 57 0.000  
## 58 0.000  
## 59 0.000  
## 60 0.000  
## 61 0.000  
## 62 0.000  
## 63 0.000  
## 64 0.000  
## 65 0.000  
## 66 0.000  
## 67 0.000  
## 68 0.000  
## 69 0.000  
## 70 0.000  
## 71 0.000  
## 72 0.000  
## 73 0.000  
## 74 0.000  
## 75 0.000  
## 76 0.000  
## 77 0.000  
## 78 0.000  
## 79 0.000  
## 80 0.000  
## 81 0.000  
## 82 0.000  
## 83 0.000  
## 84 0.000  
## 85 0.000  
## 86 0.000  
## 87 0.000  
## 88 0.000  
## 89 0.000  
## 90 0.000  
## 91 0.000  
## 92 0.000  
## 93 0.000  
## 94 0.000  
## 95 0.000  
## 96 0.000

# 

# 

Student body details (Rockville/Germantown)

RV.GT <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "Yes", Attending.Germantown == "Yes")  
RV.GT.Student.Type <- select(RV.GT, Student.Type)  
RV.GT.studentTypeTable <- as.data.frame(table(RV.GT.Student.Type))  
  
RV.GT.studentType <- arrange(RV.GT.studentTypeTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
RV.GT.studentType

## RV.GT.Student.Type Freq Share.Enrollment  
## 1 Continuing 2175 0.795  
## 2 New 385 0.141  
## 3 Transfer no degree 136 0.050  
## 4 HS Student 17 0.006  
## 5 Transfer with degree 17 0.006  
## 6 Transfer 6 0.002  
## 7 New/No HS 0 0.000

RV.GT <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "Yes", Attending.Germantown == "Yes")  
RV.GT.Student.Gender <- select(RV.GT, Gender)  
RV.GT.studentGenderTable <- as.data.frame(table(RV.GT.Student.Gender))  
  
RV.GT.studentGender <- arrange(RV.GT.studentGenderTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
RV.GT.studentGender

## RV.GT.Student.Gender Freq Share.Enrollment  
## 1 Male 1376 0.503  
## 2 Female 1359 0.497  
## 3 Unknown 1 0.000

RV.GT <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "Yes", Attending.Germantown == "Yes")  
RV.GT.Student.Race <- select(RV.GT, Race)  
RV.GT.studentRaceTable <- as.data.frame(table(RV.GT.Student.Race))  
  
RV.GT.studentRace <- arrange(RV.GT.studentRaceTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
RV.GT.studentRace

## RV.GT.Student.Race Freq Share.Enrollment  
## 1 White 1156 0.423  
## 2 Black 723 0.264  
## 3 Asian 463 0.169  
## 4 Hispanic 202 0.074  
## 5 Multi-Race 99 0.036  
## 6 Native American 49 0.018  
## 7 Pacific Islander 36 0.013  
## 8 Unknown 8 0.003

RV.GT <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "Yes", Attending.Germantown == "Yes")  
RV.GT.Student.Age.Group <- select(RV.GT, Age.Group)  
RV.GT.studentAgeGroupTable <- as.data.frame(table(RV.GT.Student.Age.Group))  
  
RV.GT.studentAgeGroup <- arrange(RV.GT.studentAgeGroupTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
RV.GT.studentAgeGroup

## RV.GT.Student.Age.Group Freq Share.Enrollment  
## 1 20 or Younger 1214 0.444  
## 2 21 - 24 733 0.268  
## 3 30 or Older 443 0.162  
## 4 25 - 29 346 0.126  
## 5 Unknown 0 0.000

RV.GT <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "Yes", Attending.Germantown == "Yes")  
RV.GT.Student.City <- select(RV.GT, City.in.MD)  
RV.GT.studentCityTable <- as.data.frame(table(RV.GT.Student.City))  
  
RV.GT.studentCity <- arrange(RV.GT.studentCityTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
RV.GT.studentCity

## RV.GT.Student.City Freq Share.Enrollment  
## 1 Gaithersburg 587 0.215  
## 2 Germantown 579 0.212  
## 3 Silver Spring 370 0.135  
## 4 Rockville 269 0.098  
## 5 Montgomery Village 186 0.068  
## 6 Clarksburg 98 0.036  
## 7 Damascus 70 0.026  
## 8 Bethesda 63 0.023  
## 9 Potomac 61 0.022  
## 10 Olney 60 0.022  
## 11 North Potomac 57 0.021  
## 12 Boyds 48 0.018  
## 13 Derwood 42 0.015  
## 14 Poolesville 30 0.011  
## 15 Brookeville 20 0.007  
## 16 Frederick 19 0.007  
## 17 Kensington 15 0.005  
## 18 Burtonsville 13 0.005  
## 19 11 0.004  
## 20 Washington 10 0.004  
## 21 Chevy Chase 9 0.003  
## 22 Takoma Park 9 0.003  
## 23 Laurel 8 0.003  
## 24 Sandy Spring 7 0.003  
## 25 Dickerson 5 0.002  
## 26 Hyattsville 5 0.002  
## 27 Beltsville 4 0.001  
## 28 Lanham 4 0.001  
## 29 Bowie 3 0.001  
## 30 Glenn Dale 3 0.001  
## 31 Greenbelt 3 0.001  
## 32 Hagerstown 3 0.001  
## 33 Middletown 3 0.001  
## 34 New Market 3 0.001  
## 35 Washington Grove 3 0.001  
## 36 Ashton 2 0.001  
## 37 Baltimore 2 0.001  
## 38 Barnesville 2 0.001  
## 39 Capitol Heights 2 0.001  
## 40 College Park 2 0.001  
## 41 Cooksville 2 0.001  
## 42 Garrett Park 2 0.001  
## 43 Laytonsville 2 0.001  
## 44 Martinsburg 2 0.001  
## 45 Mount Airy 2 0.001  
## 46 Spencerville 2 0.001  
## 47 Vienna 2 0.001  
## 48 Wheaton 2 0.001  
## 49 Adelphi 1 0.000  
## 50 Alexandria 1 0.000  
## 51 Arlington 1 0.000  
## 52 Boca Raton 1 0.000  
## 53 Burke 1 0.000  
## 54 Clarksbrug 1 0.000  
## 55 Clifton 1 0.000  
## 56 Colonial Heights 1 0.000  
## 57 Darnestown 1 0.000  
## 58 Edgewood 1 0.000  
## 59 Fayetteville 1 0.000  
## 60 Gaitherburg 1 0.000  
## 61 Gaithursburg 1 0.000  
## 62 Germatown 1 0.000  
## 63 Gettysburg 1 0.000  
## 64 Glen Echo 1 0.000  
## 65 Grand Rapids 1 0.000  
## 66 Irmo 1 0.000  
## 67 Irving 1 0.000  
## 68 Millersville 1 0.000  
## 69 Monrovia 1 0.000  
## 70 Mount Rainier 1 0.000  
## 71 OLNEY 1 0.000  
## 72 Owings Mills 1 0.000  
## 73 Oxon Hill 1 0.000  
## 74 Reisterstown 1 0.000  
## 75 Smyrna 1 0.000  
## 76 Suitland 1 0.000  
## 77 Waldorf 1 0.000  
## 78 Woodbine 1 0.000  
## 79 Abingdon 0 0.000  
## 80 Accokeek 0 0.000  
## 81 Adamstown 0 0.000  
## 82 Albany 0 0.000  
## 83 Aldie 0 0.000  
## 84 Alva 0 0.000  
## 85 Annandale 0 0.000  
## 86 Annapolis 0 0.000  
## 87 Ashburn 0 0.000  
## 88 Aspen Hill 0 0.000  
## 89 Atlanta 0 0.000  
## 90 Beallsville 0 0.000  
## 91 Bellefonte 0 0.000  
## 92 Berlin 0 0.000  
## 93 Berwyn Heights 0 0.000  
## 94 Betheada 0 0.000  
## 95 Bladensburg 0 0.000  
## 96 Bolling AFB 0 0.000  
## 97 Boonsboro 0 0.000  
## 98 Brandywine 0 0.000  
## 99 Brentwood 0 0.000  
## 100 Bridgeville 0 0.000  
## 101 Brinklow 0 0.000  
## 102 Bronx 0 0.000  
## 103 Brooklyn 0 0.000  
## 104 Brunswick 0 0.000  
## 105 Cabin John 0 0.000  
## 106 California 0 0.000  
## 107 Camillus 0 0.000  
## 108 Camp Springs 0 0.000  
## 109 Carrboro 0 0.000  
## 110 Catonsville 0 0.000  
## 111 Centreville 0 0.000  
## 112 Chantilly 0 0.000  
## 113 Chapel Hill 0 0.000  
## 114 Charleston 0 0.000  
## 115 Chesapeake Beach 0 0.000  
## 116 Chestertown 0 0.000  
## 117 Cheverly 0 0.000  
## 118 Chillum 0 0.000  
## 119 Clarkburg 0 0.000  
## 120 Clear Spring 0 0.000  
## 121 Clinton 0 0.000  
## 122 Cockeysville 0 0.000  
## 123 Columbia 0 0.000  
## 124 Columbus 0 0.000  
## 125 Dallas 0 0.000  
## 126 District Heights 0 0.000  
## 127 Dover 0 0.000  
## 128 Dunkirk 0 0.000  
## 129 Dunn Loring 0 0.000  
## 130 East Liverpool 0 0.000  
## 131 Easton 0 0.000  
## 132 Elkridge 0 0.000  
## 133 Ellicott City 0 0.000  
## 134 Fairfax 0 0.000  
## 135 Fairmount Heights 0 0.000  
## 136 Falls Church 0 0.000  
## 137 Farmville 0 0.000  
## 138 Fort Washington 0 0.000  
## 139 Fulton 0 0.000  
## 140 Gaitersburg 0 0.000  
## 141 Garrett Parkd 0 0.000  
## 142 Germnatown 0 0.000  
## 143 Glen Burnie 0 0.000  
## 144 Glenarden 0 0.000  
## 145 Glenwood 0 0.000  
## 146 Graham 0 0.000  
## 147 Grasonville 0 0.000  
## 148 Greenwich 0 0.000  
## 149 Hancock 0 0.000  
## 150 Hanover 0 0.000  
## 151 Harpers Ferry 0 0.000  
## 152 Harrisburg 0 0.000  
## 153 Harrisonburg 0 0.000  
## 154 Hercules 0 0.000  
## 155 Herndon 0 0.000  
## 156 Highland 0 0.000  
## 157 Howard City 0 0.000  
## 158 Hughesville 0 0.000  
## 159 Ijamsville 0 0.000  
## 160 Indian Head 0 0.000  
## 161 Jessup 0 0.000  
## 162 Knoxville 0 0.000  
## 163 Landover 0 0.000  
## 164 Larbo 0 0.000  
## 165 Largo 0 0.000  
## 166 Lovettsville 0 0.000  
## 167 Lutherville Timonium 0 0.000  
## 168 Manassas Park 0 0.000  
## 169 Marbury 0 0.000  
## 170 Marietta 0 0.000  
## 171 Marriottsville 0 0.000  
## 172 Marshfield 0 0.000  
## 173 Mc Lean 0 0.000  
## 174 McLean 0 0.000  
## 175 Merrick 0 0.000  
## 176 Middle River 0 0.000  
## 177 Millsboro 0 0.000  
## 178 Mitchellville 0 0.000  
## 179 Myersville 0 0.000  
## 180 Nairobi 0 0.000  
## 181 Nashville 0 0.000  
## 182 New Carrollton 0 0.000  
## 183 New Hope 0 0.000  
## 184 New York 0 0.000  
## 185 Newark 0 0.000  
## 186 North Bethesda 0 0.000  
## 187 North Brentwood 0 0.000  
## 188 Nottingham 0 0.000  
## 189 Odenton 0 0.000  
## 190 Parkville 0 0.000  
## 191 Pasadena 0 0.000  
## 192 Philadelphia 0 0.000  
## 193 Pikesville 0 0.000  
## 194 Pittsburgh 0 0.000  
## 195 Prince Frederick 0 0.000  
## 196 Quantico 0 0.000  
## 197 Riverdale 0 0.000  
## 198 Rockille 0 0.000  
## 199 Rohrersville 0 0.000  
## 200 Rosedale 0 0.000  
## 201 Roswell 0 0.000  
## 202 Saint Charles 0 0.000  
## 203 Salisbury 0 0.000  
## 204 San Fernando 0 0.000  
## 205 San Francisco 0 0.000  
## 206 San Juan 0 0.000  
## 207 Savannah 0 0.000  
## 208 Severn 0 0.000  
## 209 Shepherdstown 0 0.000  
## 210 SIiver Spring 0 0.000  
## 211 Silver Sping 0 0.000  
## 212 silver spring 0 0.000  
## 213 Sliver Spring 0 0.000  
## 214 Springdale 0 0.000  
## 215 Springfield 0 0.000  
## 216 Sterling 0 0.000  
## 217 Sykesville 0 0.000  
## 218 Syracuse 0 0.000  
## 219 Tampa 0 0.000  
## 220 Temple Hills 0 0.000  
## 221 The Plains 0 0.000  
## 222 Towson 0 0.000  
## 223 Twinsburg 0 0.000  
## 224 University Park 0 0.000  
## 225 Upper Malboro 0 0.000  
## 226 Upper Marlboro 0 0.000  
## 227 Van Nuys 0 0.000  
## 228 Ventura 0 0.000  
## 229 Wagener 0 0.000  
## 230 Walkersville 0 0.000  
## 231 Walnut Creek 0 0.000  
## 232 Waynesboro 0 0.000  
## 233 West Friendship 0 0.000  
## 234 Westminster 0 0.000  
## 235 Westport 0 0.000  
## 236 White Plains 0 0.000  
## 237 Williamsport 0 0.000  
## 238 Winchester 0 0.000  
## 239 Windsor 0 0.000  
## 240 Windsor Mill 0 0.000  
## 241 Woodbridge 0 0.000  
## 242 Woodsboro 0 0.000

RV.GT <- filter(mcData, Attending.Takoma.Park.SS =="No", Attending.Rockville == "Yes", Attending.Germantown == "Yes")  
RV.GT.Student.Program <- select(RV.GT, MC.Program.Description)  
RV.GT.studentProgramTable <- as.data.frame(table(RV.GT.Student.Program))  
  
RV.GT.studentProgram <- arrange(RV.GT.studentProgramTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
RV.GT.studentProgram

## RV.GT.Student.Program Freq  
## 1 General Studies (AA - All Tracks) 842  
## 2 Business / International Business (AA) 306  
## 3 Health Sciences (Pre-Clinical Studies) 252  
## 4 Engineering Science (AA & AS - All Tracks) 189  
## 5 Science (AS - All Tracks) 178  
## 6 Computer Science & Technologies (AA - All Tracks) 132  
## 7 Education / Teacher Education (AA & AAT) 108  
## 8 Arts & Sciences Transfer (AA - All Tracks) 106  
## 9 Cybersecurity (AAS) 76  
## 10 Credit (Undeclared / Undecided) 70  
## 11 Criminal Justice (AA & AAS) 51  
## 12 Accounting (AA & AAS) 42  
## 13 Communication Studies (AA) 29  
## 14 Architectural & Construction Tech (AA & AAS) 26  
## 15 Computer Gaming & Simulation (AA - All Tracks) 25  
## 16 Biotechnology (AA & AAS) 23  
## 17 Early Childhood Education (CT) 20  
## 18 Computer Applications (AA & AAS) 17  
## 19 Graphic Design (AA, AAS, & AFA - All Tracks) 17  
## 20 Paralegal Studies (AA & AAS) 16  
## 21 Microcomputer Technician (AA & AAS) 15  
## 22 Automotive Technology (AA & AAS) 13  
## 23 Commun & Broadcasting Tech (AA & AAS - All Tracks) 13  
## 24 Accounting (CT) 12  
## 25 Early Childhood Education (AA & AAS) 12  
## 26 Commun & Broadcasting Tech (CT) 11  
## 27 Computer Science - Computer Programming (CT) 11  
## 28 Hospitality Management (AA & AAS) 10  
## 29 Computer Applications (CT) 9  
## 30 Hospitality Management (CT) 8  
## 31 Photography (AA & AAS) 7  
## 32 Arts & Sciences Transfer (CT) 6  
## 33 Digital Media & Web Technology (AAS) 6  
## 34 Network Engineer/Administration (CT) 6  
## 35 Nursing (AA & AAS) 6  
## 36 American Sign Language (AA & AAS) 5  
## 37 Building Trades Technology (AA & AAS) 5  
## 38 Digital Media & Web Technology (CT) 5  
## 39 Biotechnology (CT) 4  
## 40 Management (CT) 4  
## 41 Applied Geography (AA & AAS) 3  
## 42 Automotive Technology (CT) 3  
## 43 Landscape Technology (AA & AAS) 3  
## 44 Mental Health Associate (AA & AAS) 3  
## 45 Network & Wireless Technologies (CT) 3  
## 46 School of Art & Design - Applicants 3  
## 47 Cybersecurity (CT) 2  
## 48 Interior Design (CT) 2  
## 49 Paralegal Studies (CT) 2  
## 50 Photography (CT) 2  
## 51 Studio Art (AFA) 2  
## 52 Administrative Support Tech (CT) 1  
## 53 Building Trades Technology (CT) 1  
## 54 Computer Graphics / Graphic Design (AAS) 1  
## 55 Computer Graphics / Graphic Design (CT) 1  
## 56 Ethnic Studies (CT) 1  
## 57 Fire Sci./Preven., Emergency Prepare. (CT) 1  
## 58 Interior Design - PreProfessional (AAS) 1  
## 59 Landscape Technology (CT) 1  
## 60 Management of Construction (CT) 1  
## 61 Music Transfer (CT) 1  
## 62 Paralegal Studies - Legal Analysis (LR) 1  
## 63 Specialized Art Transfer (CT) 1  
## 64 Studio Art (AFA) - School of Art & Design 1  
## 65 Surgical Technologist (AAS) 1  
## 66 Technical Writing (CT) 1  
## 67 American Sign Language (CT) 0  
## 68 Architect. & Construct. Tech - Sustainability (LR) 0  
## 69 Building Trades Technology (LR) 0  
## 70 Cartography & Geographic Ed / Info Sys (CT) 0  
## 71 Diagnostic Medical Sonography (AA & AAS) 0  
## 72 Diagnostic Medical Sonography (CT) 0  
## 73 Early Childhood Education (LR) 0  
## 74 Electromechanical Sys Eng Tech (AA & AAS - Discnt) 0  
## 75 Eng Technologies (AA & AAS - Discontinued) 0  
## 76 Ethnic Social Studies (LR) 0  
## 77 Exercise Sci - Personal Trainer (CT) 0  
## 78 Exercise Sci - Personal Trainer (LR) 0  
## 79 Fire Sci./Preven., Emerg. Prepare. (AA, AS & AAS) 0  
## 80 Fire Science (LR) 0  
## 81 Graphic Design (AFA) - School of Art & Design 0  
## 82 Health Information Management (AA & AAS) 0  
## 83 Hospitality Management (LR) 0  
## 84 Information Systems Secirity 0  
## 85 Management (AA & AAS - All Tracks) 0  
## 86 Management (LR) 0  
## 87 Medical Coder/Abstractr/Biller (CT) 0  
## 88 Microcomputer Technician (CT) 0  
## 89 Physical Therapist Assistant (AAS) 0  
## 90 Polysomnography Technology (CT) 0  
## 91 Printing Management (AA & AAS) 0  
## 92 Printing Management (CT) 0  
## 93 Radiologic (X-Ray) Technology (AA & AAS) 0  
## 94 Recreation Leadership (AA) 0  
## 95 WIA (CE) Programs 0  
## 96 Women's Studies (CT) 0  
## Share.Enrollment  
## 1 0.308  
## 2 0.112  
## 3 0.092  
## 4 0.069  
## 5 0.065  
## 6 0.048  
## 7 0.039  
## 8 0.039  
## 9 0.028  
## 10 0.026  
## 11 0.019  
## 12 0.015  
## 13 0.011  
## 14 0.010  
## 15 0.009  
## 16 0.008  
## 17 0.007  
## 18 0.006  
## 19 0.006  
## 20 0.006  
## 21 0.005  
## 22 0.005  
## 23 0.005  
## 24 0.004  
## 25 0.004  
## 26 0.004  
## 27 0.004  
## 28 0.004  
## 29 0.003  
## 30 0.003  
## 31 0.003  
## 32 0.002  
## 33 0.002  
## 34 0.002  
## 35 0.002  
## 36 0.002  
## 37 0.002  
## 38 0.002  
## 39 0.001  
## 40 0.001  
## 41 0.001  
## 42 0.001  
## 43 0.001  
## 44 0.001  
## 45 0.001  
## 46 0.001  
## 47 0.001  
## 48 0.001  
## 49 0.001  
## 50 0.001  
## 51 0.001  
## 52 0.000  
## 53 0.000  
## 54 0.000  
## 55 0.000  
## 56 0.000  
## 57 0.000  
## 58 0.000  
## 59 0.000  
## 60 0.000  
## 61 0.000  
## 62 0.000  
## 63 0.000  
## 64 0.000  
## 65 0.000  
## 66 0.000  
## 67 0.000  
## 68 0.000  
## 69 0.000  
## 70 0.000  
## 71 0.000  
## 72 0.000  
## 73 0.000  
## 74 0.000  
## 75 0.000  
## 76 0.000  
## 77 0.000  
## 78 0.000  
## 79 0.000  
## 80 0.000  
## 81 0.000  
## 82 0.000  
## 83 0.000  
## 84 0.000  
## 85 0.000  
## 86 0.000  
## 87 0.000  
## 88 0.000  
## 89 0.000  
## 90 0.000  
## 91 0.000  
## 92 0.000  
## 93 0.000  
## 94 0.000  
## 95 0.000  
## 96 0.000

# 

# 

Student body details (Takoma Park/Germantown)

TP.GT <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "No", Attending.Germantown == "Yes")  
TP.GT.Student.Type <- select(TP.GT, Student.Type)  
TP.GT.studentTypeTable <- as.data.frame(table(TP.GT.Student.Type))  
  
TP.GT.studentType <- arrange(TP.GT.studentTypeTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.GT.studentType

## TP.GT.Student.Type Freq Share.Enrollment  
## 1 Continuing 371 0.808  
## 2 New 45 0.098  
## 3 Transfer no degree 36 0.078  
## 4 Transfer with degree 4 0.009  
## 5 HS Student 3 0.007  
## 6 New/No HS 0 0.000  
## 7 Transfer 0 0.000

TP.GT <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "No", Attending.Germantown == "Yes")  
TP.GT.Student.Gender <- select(TP.GT, Gender)  
TP.GT.studentGenderTable <- as.data.frame(table(TP.GT.Student.Gender))  
  
TP.GT.studentGender <- arrange(TP.GT.studentGenderTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.GT.studentGender

## TP.GT.Student.Gender Freq Share.Enrollment  
## 1 Female 287 0.625  
## 2 Male 172 0.375  
## 3 Unknown 0 0.000

TP.GT <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "No", Attending.Germantown == "Yes")  
TP.GT.Student.Race <- select(TP.GT, Race)  
TP.GT.studentRaceTable <- as.data.frame(table(TP.GT.Student.Race))  
  
TP.GT.studentRace <- arrange(TP.GT.studentRaceTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.GT.studentRace

## TP.GT.Student.Race Freq Share.Enrollment  
## 1 Black 197 0.429  
## 2 White 149 0.325  
## 3 Asian 53 0.115  
## 4 Hispanic 41 0.089  
## 5 Multi-Race 11 0.024  
## 6 Native American 4 0.009  
## 7 Pacific Islander 3 0.007  
## 8 Unknown 1 0.002

TP.GT <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "No", Attending.Germantown == "Yes")  
TP.GT.Student.Age.Group <- select(TP.GT, Age.Group)  
TP.GT.studentAgeGroupTable <- as.data.frame(table(TP.GT.Student.Age.Group))  
  
TP.GT.studentAgeGroup <- arrange(TP.GT.studentAgeGroupTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.GT.studentAgeGroup

## TP.GT.Student.Age.Group Freq Share.Enrollment  
## 1 20 or Younger 136 0.296  
## 2 30 or Older 113 0.246  
## 3 25 - 29 106 0.231  
## 4 21 - 24 104 0.227  
## 5 Unknown 0 0.000

TP.GT <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "No", Attending.Germantown == "Yes")  
TP.GT.Student.City <- select(TP.GT, City.in.MD)  
TP.GT.studentCityTable <- as.data.frame(table(TP.GT.Student.City))  
  
TP.GT.studentCity <- arrange(TP.GT.studentCityTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.GT.studentCity

## TP.GT.Student.City Freq Share.Enrollment  
## 1 Silver Spring 163 0.355  
## 2 Germantown 61 0.133  
## 3 Gaithersburg 48 0.105  
## 4 Washington 21 0.046  
## 5 Montgomery Village 15 0.033  
## 6 Rockville 14 0.031  
## 7 Takoma Park 14 0.031  
## 8 Bethesda 11 0.024  
## 9 Derwood 9 0.020  
## 10 Hyattsville 8 0.017  
## 11 Clarksburg 7 0.015  
## 12 Damascus 6 0.013  
## 13 Potomac 6 0.013  
## 14 North Potomac 5 0.011  
## 15 4 0.009  
## 16 Boyds 4 0.009  
## 17 Burtonsville 4 0.009  
## 18 Chevy Chase 4 0.009  
## 19 College Park 4 0.009  
## 20 Laurel 4 0.009  
## 21 Beltsville 3 0.007  
## 22 Kensington 3 0.007  
## 23 Olney 3 0.007  
## 24 Poolesville 3 0.007  
## 25 Dickerson 2 0.004  
## 26 Frederick 2 0.004  
## 27 Greenbelt 2 0.004  
## 28 Upper Marlboro 2 0.004  
## 29 Adelphi 1 0.002  
## 30 Alexandria 1 0.002  
## 31 Annapolis 1 0.002  
## 32 Ashburn 1 0.002  
## 33 Ashton 1 0.002  
## 34 Bladensburg 1 0.002  
## 35 Bowie 1 0.002  
## 36 Brentwood 1 0.002  
## 37 Clinton 1 0.002  
## 38 Columbia 1 0.002  
## 39 Germatown 1 0.002  
## 40 Glenarden 1 0.002  
## 41 Howard City 1 0.002  
## 42 Landover 1 0.002  
## 43 Lanham 1 0.002  
## 44 Marietta 1 0.002  
## 45 Millersville 1 0.002  
## 46 Mount Rainier 1 0.002  
## 47 New Carrollton 1 0.002  
## 48 New Market 1 0.002  
## 49 North Brentwood 1 0.002  
## 50 Owings Mills 1 0.002  
## 51 Oxon Hill 1 0.002  
## 52 Riverdale 1 0.002  
## 53 Suitland 1 0.002  
## 54 Temple Hills 1 0.002  
## 55 Woodbridge 1 0.002  
## 56 Abingdon 0 0.000  
## 57 Accokeek 0 0.000  
## 58 Adamstown 0 0.000  
## 59 Albany 0 0.000  
## 60 Aldie 0 0.000  
## 61 Alva 0 0.000  
## 62 Annandale 0 0.000  
## 63 Arlington 0 0.000  
## 64 Aspen Hill 0 0.000  
## 65 Atlanta 0 0.000  
## 66 Baltimore 0 0.000  
## 67 Barnesville 0 0.000  
## 68 Beallsville 0 0.000  
## 69 Bellefonte 0 0.000  
## 70 Berlin 0 0.000  
## 71 Berwyn Heights 0 0.000  
## 72 Betheada 0 0.000  
## 73 Boca Raton 0 0.000  
## 74 Bolling AFB 0 0.000  
## 75 Boonsboro 0 0.000  
## 76 Brandywine 0 0.000  
## 77 Bridgeville 0 0.000  
## 78 Brinklow 0 0.000  
## 79 Bronx 0 0.000  
## 80 Brookeville 0 0.000  
## 81 Brooklyn 0 0.000  
## 82 Brunswick 0 0.000  
## 83 Burke 0 0.000  
## 84 Cabin John 0 0.000  
## 85 California 0 0.000  
## 86 Camillus 0 0.000  
## 87 Camp Springs 0 0.000  
## 88 Capitol Heights 0 0.000  
## 89 Carrboro 0 0.000  
## 90 Catonsville 0 0.000  
## 91 Centreville 0 0.000  
## 92 Chantilly 0 0.000  
## 93 Chapel Hill 0 0.000  
## 94 Charleston 0 0.000  
## 95 Chesapeake Beach 0 0.000  
## 96 Chestertown 0 0.000  
## 97 Cheverly 0 0.000  
## 98 Chillum 0 0.000  
## 99 Clarkburg 0 0.000  
## 100 Clarksbrug 0 0.000  
## 101 Clear Spring 0 0.000  
## 102 Clifton 0 0.000  
## 103 Cockeysville 0 0.000  
## 104 Colonial Heights 0 0.000  
## 105 Columbus 0 0.000  
## 106 Cooksville 0 0.000  
## 107 Dallas 0 0.000  
## 108 Darnestown 0 0.000  
## 109 District Heights 0 0.000  
## 110 Dover 0 0.000  
## 111 Dunkirk 0 0.000  
## 112 Dunn Loring 0 0.000  
## 113 East Liverpool 0 0.000  
## 114 Easton 0 0.000  
## 115 Edgewood 0 0.000  
## 116 Elkridge 0 0.000  
## 117 Ellicott City 0 0.000  
## 118 Fairfax 0 0.000  
## 119 Fairmount Heights 0 0.000  
## 120 Falls Church 0 0.000  
## 121 Farmville 0 0.000  
## 122 Fayetteville 0 0.000  
## 123 Fort Washington 0 0.000  
## 124 Fulton 0 0.000  
## 125 Gaitersburg 0 0.000  
## 126 Gaitherburg 0 0.000  
## 127 Gaithursburg 0 0.000  
## 128 Garrett Park 0 0.000  
## 129 Garrett Parkd 0 0.000  
## 130 Germnatown 0 0.000  
## 131 Gettysburg 0 0.000  
## 132 Glen Burnie 0 0.000  
## 133 Glen Echo 0 0.000  
## 134 Glenn Dale 0 0.000  
## 135 Glenwood 0 0.000  
## 136 Graham 0 0.000  
## 137 Grand Rapids 0 0.000  
## 138 Grasonville 0 0.000  
## 139 Greenwich 0 0.000  
## 140 Hagerstown 0 0.000  
## 141 Hancock 0 0.000  
## 142 Hanover 0 0.000  
## 143 Harpers Ferry 0 0.000  
## 144 Harrisburg 0 0.000  
## 145 Harrisonburg 0 0.000  
## 146 Hercules 0 0.000  
## 147 Herndon 0 0.000  
## 148 Highland 0 0.000  
## 149 Hughesville 0 0.000  
## 150 Ijamsville 0 0.000  
## 151 Indian Head 0 0.000  
## 152 Irmo 0 0.000  
## 153 Irving 0 0.000  
## 154 Jessup 0 0.000  
## 155 Knoxville 0 0.000  
## 156 Larbo 0 0.000  
## 157 Largo 0 0.000  
## 158 Laytonsville 0 0.000  
## 159 Lovettsville 0 0.000  
## 160 Lutherville Timonium 0 0.000  
## 161 Manassas Park 0 0.000  
## 162 Marbury 0 0.000  
## 163 Marriottsville 0 0.000  
## 164 Marshfield 0 0.000  
## 165 Martinsburg 0 0.000  
## 166 Mc Lean 0 0.000  
## 167 McLean 0 0.000  
## 168 Merrick 0 0.000  
## 169 Middle River 0 0.000  
## 170 Middletown 0 0.000  
## 171 Millsboro 0 0.000  
## 172 Mitchellville 0 0.000  
## 173 Monrovia 0 0.000  
## 174 Mount Airy 0 0.000  
## 175 Myersville 0 0.000  
## 176 Nairobi 0 0.000  
## 177 Nashville 0 0.000  
## 178 New Hope 0 0.000  
## 179 New York 0 0.000  
## 180 Newark 0 0.000  
## 181 North Bethesda 0 0.000  
## 182 Nottingham 0 0.000  
## 183 Odenton 0 0.000  
## 184 OLNEY 0 0.000  
## 185 Parkville 0 0.000  
## 186 Pasadena 0 0.000  
## 187 Philadelphia 0 0.000  
## 188 Pikesville 0 0.000  
## 189 Pittsburgh 0 0.000  
## 190 Prince Frederick 0 0.000  
## 191 Quantico 0 0.000  
## 192 Reisterstown 0 0.000  
## 193 Rockille 0 0.000  
## 194 Rohrersville 0 0.000  
## 195 Rosedale 0 0.000  
## 196 Roswell 0 0.000  
## 197 Saint Charles 0 0.000  
## 198 Salisbury 0 0.000  
## 199 San Fernando 0 0.000  
## 200 San Francisco 0 0.000  
## 201 San Juan 0 0.000  
## 202 Sandy Spring 0 0.000  
## 203 Savannah 0 0.000  
## 204 Severn 0 0.000  
## 205 Shepherdstown 0 0.000  
## 206 SIiver Spring 0 0.000  
## 207 Silver Sping 0 0.000  
## 208 silver spring 0 0.000  
## 209 Sliver Spring 0 0.000  
## 210 Smyrna 0 0.000  
## 211 Spencerville 0 0.000  
## 212 Springdale 0 0.000  
## 213 Springfield 0 0.000  
## 214 Sterling 0 0.000  
## 215 Sykesville 0 0.000  
## 216 Syracuse 0 0.000  
## 217 Tampa 0 0.000  
## 218 The Plains 0 0.000  
## 219 Towson 0 0.000  
## 220 Twinsburg 0 0.000  
## 221 University Park 0 0.000  
## 222 Upper Malboro 0 0.000  
## 223 Van Nuys 0 0.000  
## 224 Ventura 0 0.000  
## 225 Vienna 0 0.000  
## 226 Wagener 0 0.000  
## 227 Waldorf 0 0.000  
## 228 Walkersville 0 0.000  
## 229 Walnut Creek 0 0.000  
## 230 Washington Grove 0 0.000  
## 231 Waynesboro 0 0.000  
## 232 West Friendship 0 0.000  
## 233 Westminster 0 0.000  
## 234 Westport 0 0.000  
## 235 Wheaton 0 0.000  
## 236 White Plains 0 0.000  
## 237 Williamsport 0 0.000  
## 238 Winchester 0 0.000  
## 239 Windsor 0 0.000  
## 240 Windsor Mill 0 0.000  
## 241 Woodbine 0 0.000  
## 242 Woodsboro 0 0.000

TP.GT <- filter(mcData, Attending.Takoma.Park.SS =="Yes", Attending.Rockville == "No", Attending.Germantown == "Yes")  
TP.GT.Student.Program <- select(TP.GT, MC.Program.Description)  
TP.GT.studentProgramTable <- as.data.frame(table(TP.GT.Student.Program))  
  
TP.GT.studentProgram <- arrange(TP.GT.studentProgramTable, desc(Freq)) %>%  
 mutate(Share.Enrollment = round((Freq / sum(Freq)),digits = 3))  
TP.GT.studentProgram

## TP.GT.Student.Program Freq  
## 1 General Studies (AA - All Tracks) 119  
## 2 Health Sciences (Pre-Clinical Studies) 82  
## 3 Business / International Business (AA) 40  
## 4 Science (AS - All Tracks) 30  
## 5 Education / Teacher Education (AA & AAT) 22  
## 6 Engineering Science (AA & AS - All Tracks) 21  
## 7 Credit (Undeclared / Undecided) 16  
## 8 Paralegal Studies (AA & AAS) 16  
## 9 Arts & Sciences Transfer (AA - All Tracks) 14  
## 10 Computer Science & Technologies (AA - All Tracks) 12  
## 11 Criminal Justice (AA & AAS) 12  
## 12 Accounting (AA & AAS) 10  
## 13 Cybersecurity (AAS) 10  
## 14 Computer Applications (AA & AAS) 6  
## 15 Mental Health Associate (AA & AAS) 5  
## 16 Biotechnology (AA & AAS) 4  
## 17 Graphic Design (AA, AAS, & AFA - All Tracks) 4  
## 18 Landscape Technology (AA & AAS) 4  
## 19 Communication Studies (AA) 3  
## 20 Early Childhood Education (CT) 2  
## 21 Microcomputer Technician (AA & AAS) 2  
## 22 Nursing (AA & AAS) 2  
## 23 Paralegal Studies (CT) 2  
## 24 School of Art & Design - Applicants 2  
## 25 Studio Art (AFA) 2  
## 26 Accounting (CT) 1  
## 27 Arts & Sciences Transfer (CT) 1  
## 28 Biotechnology (CT) 1  
## 29 Building Trades Technology (AA & AAS) 1  
## 30 Commun & Broadcasting Tech (AA & AAS - All Tracks) 1  
## 31 Computer Applications (CT) 1  
## 32 Computer Gaming & Simulation (AA - All Tracks) 1  
## 33 Computer Science - Computer Programming (CT) 1  
## 34 Early Childhood Education (AA & AAS) 1  
## 35 Health Information Management (AA & AAS) 1  
## 36 Hospitality Management (AA & AAS) 1  
## 37 Landscape Technology (CT) 1  
## 38 Management (CT) 1  
## 39 Network & Wireless Technologies (CT) 1  
## 40 Physical Therapist Assistant (AAS) 1  
## 41 Polysomnography Technology (CT) 1  
## 42 Technical Writing (CT) 1  
## 43 Administrative Support Tech (CT) 0  
## 44 American Sign Language (AA & AAS) 0  
## 45 American Sign Language (CT) 0  
## 46 Applied Geography (AA & AAS) 0  
## 47 Architect. & Construct. Tech - Sustainability (LR) 0  
## 48 Architectural & Construction Tech (AA & AAS) 0  
## 49 Automotive Technology (AA & AAS) 0  
## 50 Automotive Technology (CT) 0  
## 51 Building Trades Technology (CT) 0  
## 52 Building Trades Technology (LR) 0  
## 53 Cartography & Geographic Ed / Info Sys (CT) 0  
## 54 Commun & Broadcasting Tech (CT) 0  
## 55 Computer Graphics / Graphic Design (AAS) 0  
## 56 Computer Graphics / Graphic Design (CT) 0  
## 57 Cybersecurity (CT) 0  
## 58 Diagnostic Medical Sonography (AA & AAS) 0  
## 59 Diagnostic Medical Sonography (CT) 0  
## 60 Digital Media & Web Technology (AAS) 0  
## 61 Digital Media & Web Technology (CT) 0  
## 62 Early Childhood Education (LR) 0  
## 63 Electromechanical Sys Eng Tech (AA & AAS - Discnt) 0  
## 64 Eng Technologies (AA & AAS - Discontinued) 0  
## 65 Ethnic Social Studies (LR) 0  
## 66 Ethnic Studies (CT) 0  
## 67 Exercise Sci - Personal Trainer (CT) 0  
## 68 Exercise Sci - Personal Trainer (LR) 0  
## 69 Fire Sci./Preven., Emerg. Prepare. (AA, AS & AAS) 0  
## 70 Fire Sci./Preven., Emergency Prepare. (CT) 0  
## 71 Fire Science (LR) 0  
## 72 Graphic Design (AFA) - School of Art & Design 0  
## 73 Hospitality Management (CT) 0  
## 74 Hospitality Management (LR) 0  
## 75 Information Systems Secirity 0  
## 76 Interior Design - PreProfessional (AAS) 0  
## 77 Interior Design (CT) 0  
## 78 Management (AA & AAS - All Tracks) 0  
## 79 Management (LR) 0  
## 80 Management of Construction (CT) 0  
## 81 Medical Coder/Abstractr/Biller (CT) 0  
## 82 Microcomputer Technician (CT) 0  
## 83 Music Transfer (CT) 0  
## 84 Network Engineer/Administration (CT) 0  
## 85 Paralegal Studies - Legal Analysis (LR) 0  
## 86 Photography (AA & AAS) 0  
## 87 Photography (CT) 0  
## 88 Printing Management (AA & AAS) 0  
## 89 Printing Management (CT) 0  
## 90 Radiologic (X-Ray) Technology (AA & AAS) 0  
## 91 Recreation Leadership (AA) 0  
## 92 Specialized Art Transfer (CT) 0  
## 93 Studio Art (AFA) - School of Art & Design 0  
## 94 Surgical Technologist (AAS) 0  
## 95 WIA (CE) Programs 0  
## 96 Women's Studies (CT) 0  
## Share.Enrollment  
## 1 0.259  
## 2 0.179  
## 3 0.087  
## 4 0.065  
## 5 0.048  
## 6 0.046  
## 7 0.035  
## 8 0.035  
## 9 0.031  
## 10 0.026  
## 11 0.026  
## 12 0.022  
## 13 0.022  
## 14 0.013  
## 15 0.011  
## 16 0.009  
## 17 0.009  
## 18 0.009  
## 19 0.007  
## 20 0.004  
## 21 0.004  
## 22 0.004  
## 23 0.004  
## 24 0.004  
## 25 0.004  
## 26 0.002  
## 27 0.002  
## 28 0.002  
## 29 0.002  
## 30 0.002  
## 31 0.002  
## 32 0.002  
## 33 0.002  
## 34 0.002  
## 35 0.002  
## 36 0.002  
## 37 0.002  
## 38 0.002  
## 39 0.002  
## 40 0.002  
## 41 0.002  
## 42 0.002  
## 43 0.000  
## 44 0.000  
## 45 0.000  
## 46 0.000  
## 47 0.000  
## 48 0.000  
## 49 0.000  
## 50 0.000  
## 51 0.000  
## 52 0.000  
## 53 0.000  
## 54 0.000  
## 55 0.000  
## 56 0.000  
## 57 0.000  
## 58 0.000  
## 59 0.000  
## 60 0.000  
## 61 0.000  
## 62 0.000  
## 63 0.000  
## 64 0.000  
## 65 0.000  
## 66 0.000  
## 67 0.000  
## 68 0.000  
## 69 0.000  
## 70 0.000  
## 71 0.000  
## 72 0.000  
## 73 0.000  
## 74 0.000  
## 75 0.000  
## 76 0.000  
## 77 0.000  
## 78 0.000  
## 79 0.000  
## 80 0.000  
## 81 0.000  
## 82 0.000  
## 83 0.000  
## 84 0.000  
## 85 0.000  
## 86 0.000  
## 87 0.000  
## 88 0.000  
## 89 0.000  
## 90 0.000  
## 91 0.000  
## 92 0.000  
## 93 0.000  
## 94 0.000  
## 95 0.000  
## 96 0.000

# 

# 

# 

# 

# 

# 

# 

y = subset(GT.studentType)

statusSummaryList <-list(GT.studentType[[1,"GT.Student.Type"]], RV.studentType[[1,"RV.Student.Type"]],  
 TP.SS.studentType[[1,"TP.SS.Student.Type"]], RV.GT.studentType[[1,"RV.GT.Student.Type"]],  
 TP.RV.studentType[[1,"TP.RV.Student.Type"]], TP.GT.studentType[[1,"TP.GT.Student.Type"]])  
genderMaleSummaryList <-list(GT.studentGender[[1,"Share.Enrollment"]], RV.studentGender[[1,"Share.Enrollment"]],  
 TP.SS.studentGender[[1,"Share.Enrollment"]], RV.GT.studentGender[[1,"Share.Enrollment"]],  
 TP.RV.studentGender[[1,"Share.Enrollment"]], TP.GT.studentGender[[1,"Share.Enrollment"]])  
  
#statusSummaryList  
mcSummary <- data.frame("Campus" = c("Germantown","Rockville", "Takoma Park/Silver Spring", "Germantown/Rockville",  
 "Rockville/TPSS", "Germantown/TPSS"),   
 "Most Common Status" = statusSummaryList,  
 "Share of Male Students" = genderMaleSummaryList,  
 "Share of Female Students" = "",  
 "Most Common Program" = "",  
 "Share Who Identify as Black" = "",  
 "Share who Identify as White" = "",  
 "Share who Identify as Hispanic" = "",  
 "Share who Identify as Asian" = "",  
 "Most common City of Residence" = "",   
 stringsAsFactors = FALSE)  
  
mcSummary

## Campus  
## 1 Germantown  
## 2 Rockville  
## 3 Takoma Park/Silver Spring  
## 4 Germantown/Rockville  
## 5 Rockville/TPSS  
## 6 Germantown/TPSS  
## Most.Common.Status.structure.1L...Label...c..Continuing....HS.Student....New....New.No.HS...  
## 1 Continuing  
## 2 Continuing  
## 3 Continuing  
## 4 Continuing  
## 5 Continuing  
## 6 Continuing  
## Most.Common.Status.structure.1L...Label...c..Continuing....HS.Student....New....New.No.HS....1  
## 1 Continuing  
## 2 Continuing  
## 3 Continuing  
## 4 Continuing  
## 5 Continuing  
## 6 Continuing  
## Most.Common.Status.structure.1L...Label...c..Continuing....HS.Student....New....New.No.HS....2  
## 1 Continuing  
## 2 Continuing  
## 3 Continuing  
## 4 Continuing  
## 5 Continuing  
## 6 Continuing  
## Most.Common.Status.structure.1L...Label...c..Continuing....HS.Student....New....New.No.HS....3  
## 1 Continuing  
## 2 Continuing  
## 3 Continuing  
## 4 Continuing  
## 5 Continuing  
## 6 Continuing  
## Most.Common.Status.structure.1L...Label...c..Continuing....HS.Student....New....New.No.HS....4  
## 1 Continuing  
## 2 Continuing  
## 3 Continuing  
## 4 Continuing  
## 5 Continuing  
## 6 Continuing  
## Most.Common.Status.structure.1L...Label...c..Continuing....HS.Student....New....New.No.HS....5  
## 1 Continuing  
## 2 Continuing  
## 3 Continuing  
## 4 Continuing  
## 5 Continuing  
## 6 Continuing  
## Share.of.Male.Students.0.536 Share.of.Male.Students.0.506  
## 1 0.536 0.506  
## 2 0.536 0.506  
## 3 0.536 0.506  
## 4 0.536 0.506  
## 5 0.536 0.506  
## 6 0.536 0.506  
## Share.of.Male.Students.0.593 Share.of.Male.Students.0.503  
## 1 0.593 0.503  
## 2 0.593 0.503  
## 3 0.593 0.503  
## 4 0.593 0.503  
## 5 0.593 0.503  
## 6 0.593 0.503  
## Share.of.Male.Students.0.539 Share.of.Male.Students.0.625  
## 1 0.539 0.625  
## 2 0.539 0.625  
## 3 0.539 0.625  
## 4 0.539 0.625  
## 5 0.539 0.625  
## 6 0.539 0.625  
## Share.of.Female.Students Most.Common.Program Share.Who.Identify.as.Black  
## 1   
## 2   
## 3   
## 4   
## 5   
## 6   
## Share.who.Identify.as.White Share.who.Identify.as.Hispanic  
## 1   
## 2   
## 3   
## 4   
## 5   
## 6   
## Share.who.Identify.as.Asian Most.common.City.of.Residence  
## 1   
## 2   
## 3   
## 4   
## 5   
## 6

mcSummary <- data.frame("Campus" = c("Germantown","Rockville", "Takoma Park/Silver Spring", "Germantown/Rockville",  
 "Rockville/TPSS", "Germantown/TPSS"),   
 "Most Common Status" = list(GT.studentType[[1,"GT.Student.Type"]], RV.studentType[[1,"RV.Student.Type"]],  
 TP.SS.studentType[[1,"TP.SS.Student.Type"]], RV.GT.studentType[[1,"RV.GT.Student.Type"]],  
 TP.RV.studentType[[1,"TP.RV.Student.Type"]], TP.GT.studentType[[1,"TP.GT.Student.Type"]]),  
 "Share of Male Students" = genderMaleSummaryList,  
 "Share of Female Students" = "",  
 "Most Common Program" = "",  
 "Share Who Identify as Black" = "",  
 "Share who Identify as White" = "",  
 "Share who Identify as Hispanic" = "",  
 "Share who Identify as Asian" = "",  
 "Most common City of Residence" = "",   
 stringsAsFactors = FALSE)  
  
mcSummary

## Campus  
## 1 Germantown  
## 2 Rockville  
## 3 Takoma Park/Silver Spring  
## 4 Germantown/Rockville  
## 5 Rockville/TPSS  
## 6 Germantown/TPSS  
## Most.Common.Status.structure.1L...Label...c..Continuing....HS.Student....New....New.No.HS...  
## 1 Continuing  
## 2 Continuing  
## 3 Continuing  
## 4 Continuing  
## 5 Continuing  
## 6 Continuing  
## Most.Common.Status.structure.1L...Label...c..Continuing....HS.Student....New....New.No.HS....1  
## 1 Continuing  
## 2 Continuing  
## 3 Continuing  
## 4 Continuing  
## 5 Continuing  
## 6 Continuing  
## Most.Common.Status.structure.1L...Label...c..Continuing....HS.Student....New....New.No.HS....2  
## 1 Continuing  
## 2 Continuing  
## 3 Continuing  
## 4 Continuing  
## 5 Continuing  
## 6 Continuing  
## Most.Common.Status.structure.1L...Label...c..Continuing....HS.Student....New....New.No.HS....3  
## 1 Continuing  
## 2 Continuing  
## 3 Continuing  
## 4 Continuing  
## 5 Continuing  
## 6 Continuing  
## Most.Common.Status.structure.1L...Label...c..Continuing....HS.Student....New....New.No.HS....4  
## 1 Continuing  
## 2 Continuing  
## 3 Continuing  
## 4 Continuing  
## 5 Continuing  
## 6 Continuing  
## Most.Common.Status.structure.1L...Label...c..Continuing....HS.Student....New....New.No.HS....5  
## 1 Continuing  
## 2 Continuing  
## 3 Continuing  
## 4 Continuing  
## 5 Continuing  
## 6 Continuing  
## Share.of.Male.Students.0.536 Share.of.Male.Students.0.506  
## 1 0.536 0.506  
## 2 0.536 0.506  
## 3 0.536 0.506  
## 4 0.536 0.506  
## 5 0.536 0.506  
## 6 0.536 0.506  
## Share.of.Male.Students.0.593 Share.of.Male.Students.0.503  
## 1 0.593 0.503  
## 2 0.593 0.503  
## 3 0.593 0.503  
## 4 0.593 0.503  
## 5 0.593 0.503  
## 6 0.593 0.503  
## Share.of.Male.Students.0.539 Share.of.Male.Students.0.625  
## 1 0.539 0.625  
## 2 0.539 0.625  
## 3 0.539 0.625  
## 4 0.539 0.625  
## 5 0.539 0.625  
## 6 0.539 0.625  
## Share.of.Female.Students Most.Common.Program Share.Who.Identify.as.Black  
## 1   
## 2   
## 3   
## 4   
## 5   
## 6   
## Share.who.Identify.as.White Share.who.Identify.as.Hispanic  
## 1   
## 2   
## 3   
## 4   
## 5   
## 6   
## Share.who.Identify.as.Asian Most.common.City.of.Residence  
## 1   
## 2   
## 3   
## 4   
## 5   
## 6