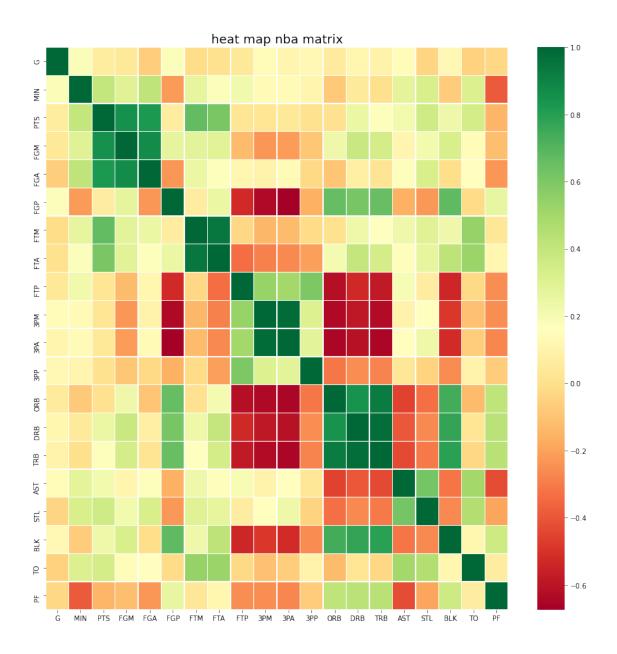
## DSC640\_Exercise4\_2\_Asumbaraju

July 25, 2021

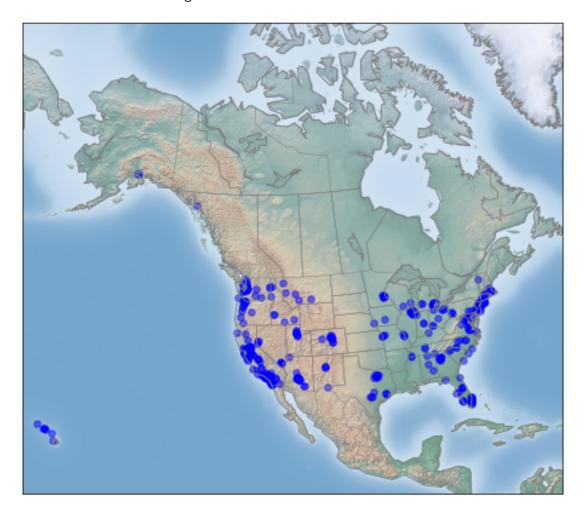
```
[3]: # import libraries
     import pandas as pd
     import matplotlib.pyplot as plt
     import os
     import conda
     conda_file_dir = conda.__file__
     conda_dir = conda_file_dir.split('lib')[0]
     proj_lib = os.path.join(os.path.join(conda_dir, 'share'), 'proj')
     os.environ["PROJ_LIB"] = proj_lib
     from mpl_toolkits.basemap import Basemap
     import numpy as np
     import seaborn as sns
[5]: #Load csv files
     costco_df = pd.read_csv("C:\BU\DSC640\wk7-8\data/costcos-geocoded.csv")
     ppg_df = pd.read_csv("C:\BU\DSC640\wk7-8\data/ppg2008.csv")
[6]: costco_df.head()
[6]:
                          Address
                                          City
                                                  State
                                                           Zip Code
                                                                      Latitude
     0
         1205 N. Memorial Parkway
                                   Huntsville
                                               Alabama
                                                         35801-5930
                                                                     34.743095
     1
             3650 Galleria Circle
                                       Hoover
                                                Alabama
                                                         35244-2346
                                                                     33.377649
           8251 Eastchase Parkway
                                   Montgomery
                                                Alabama
                                                              36117
                                                                     32.363889
       5225 Commercial Boulevard
     3
                                        Juneau
                                                 Alaska 99801-7210
                                                                     58.359200
             330 West Dimond Blvd
                                    Anchorage
                                                 Alaska 99515-1950 61.143266
         Longitude
     0 -86.600955
     1 -86.812420
     2 -86.150884
     3 -134.483000
     4 -149.884217
[7]:
    ppg_df.head()
[7]:
                Name
                         G
                             MIN
                                   PTS
                                          FGM
                                                FGA
                                                       FGP
                                                            FTM
                                                                 FTA
                                                                        FTP
     0
          Dwyane Wade
                        79
                            38.6
                                  30.2
                                        10.8
                                               22.0
                                                    0.491
                                                            7.5
                                                                 9.8
                                                                      0.765
```

```
1
   LeBron James
                81 37.7
                         28.4
                               9.7
                                   19.9 0.489 7.3 9.4 0.780 ...
2
                82 36.2 26.8
                                    20.9 0.467 5.9
                                                   6.9 0.856 ...
    Kobe Bryant
                               9.8
3 Dirk Nowitzki
                81 37.7
                         25.9
                               9.6
                                    20.0 0.479
                                               6.0
                                                    6.7
                                                        0.890 ...
                67 36.2 25.8
                               8.5
                                   19.1 0.447 6.0 6.9 0.878 ...
4 Danny Granger
  3PA
                              STL BLK
                                             PF
        3PP
            ORB DRB
                     TRB
                         AST
                                        TO
0 3.5 0.317
             1.1 3.9
                     5.0
                          7.5
                              2.2 1.3 3.4
                                            2.3
1 4.7 0.344 1.3 6.3 7.6 7.2
                              1.7 1.1
                                       3.0 1.7
2 4.1 0.351 1.1 4.1 5.2 4.9
                              1.5 0.5
                                       2.6
                                            2.3
3 2.1 0.359 1.1 7.3 8.4 2.4 0.8 0.8 1.9 2.2
4 6.7 0.404 0.7 4.4 5.1 2.7 1.0 1.4 2.5 3.1
```

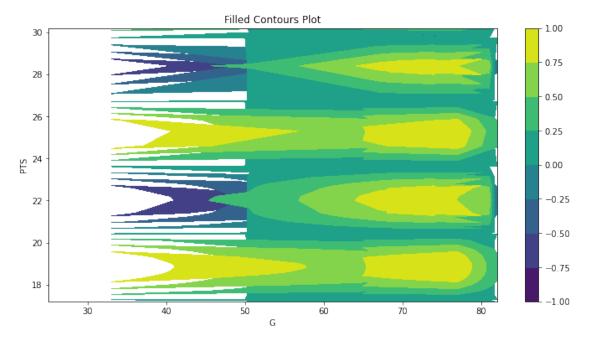
## [5 rows x 21 columns]



Clipping input data to the valid range for imshow with RGB data ([0..1] for floats or [0..255] for integers).



```
[65]: import numpy as np import matplotlib.pyplot as plt %matplotlib inline
```



[]: