Navajo Map

July 3, 2021

1 Navajo Map

```python
import pandas as pd
df = pd.read_csv('navajo_cleaned_combined.csv')
df.head()
```

```
[1]:    Serial Number                    Word Mark  \
     0      71310112                         NAVAJO
     1      71464260   NAVAJO ARTS & CRAFTS GUILD
     2      71466388   NAVAJO ARTS & CRAFTS GUILD
     3      71466389   NAVAJO ARTS & CRAFTS GUILD
     4      71466390   NAVAJO ARTS & CRAFTS GUILD


                              Goods and Services  \
     0  (EXPIRED) IC 004.  US 015.  G & S: LUBRICATING…
     1  (CANCELLED) IC 024 027.  US 042.  G & S: Hand-…
     2  (CANCELLED) IC 018.  US 003.  G & S: Horse Bri…
     3  (CANCELLED) IC 034.  US 008.  G & S: Tobacco P…
     4  (CANCELLED) IC 028.  US 022.  G & S: Dolls.  F…


        Standard Characters Claimed  \
     0                          0.0
     1                          0.0
     2                          0.0
     3                          0.0
     4                          0.0


                                 Mark Drawing Code Filing Date Current Basis  \
     0                        (1) TYPED DRAWING   19-Jan-31             1A
     1  (3) DESIGN PLUS WORDS, LETTERS, AND/OR NUMBERS   12-Oct-43             1A
     2  (3) DESIGN PLUS WORDS, LETTERS, AND/OR NUMBERS    6-Jan-44             1A
     3  (3) DESIGN PLUS WORDS, LETTERS, AND/OR NUMBERS    6-Jan-44             1A
     4  (3) DESIGN PLUS WORDS, LETTERS, AND/OR NUMBERS    6-Jan-44             1A


        Original Filing Basis                                        Owner  \
     0                     1A                                          NaN
     1                     1A  (REGISTRANT) Indian Arts and Crafts Board body…
```

```
2                      1A  (REGISTRANT) Indian Arts and Crafts Board body…
3                      1A  (REGISTRANT) Indian Arts and Crafts Board body…
4                      1A  (REGISTRANT) Indian Arts and Crafts Board body…

    Type of Mark  …          Renewal Translations Cancellation Date  \
0     TRADEMARK  …  2ND RENEWAL 19710602          0                 0
1     TRADEMARK  …  2ND RENEWAL 19840523          0          26-Feb-05
2     TRADEMARK  …  2ND RENEWAL 19840530          0           5-Mar-05
3     TRADEMARK  …  2ND RENEWAL 19840523          0          26-Feb-05
4     TRADEMARK  …  2ND RENEWAL 19840516          0          19-Feb-05

   Distinctiveness Limitation Statement  Assignment Recorded  \
0                                     0  ASSIGNMENT RECORDED
1                                     0  ASSIGNMENT RECORDED
2                                     0  ASSIGNMENT RECORDED
3                                     0  ASSIGNMENT RECORDED
4                                     0  ASSIGNMENT RECORDED

   Prior Registrations Change In Registration  US code        IC code  \
0                    0                       0  ['015']        ['004']
1                    0                       0  ['042']  ['024', '027']
2                    0                       0  ['003']        ['018']
3                    0                       0  ['008']        ['034']
4                    0                       0  ['022']        ['028']

   Native-owned
0         False
1         False
2         False
3         False
4         False

[5 rows x 32 columns]
```

```python
# Using regex with str.extract() with full address
df['Owner']
zip5 = df['Owner'].str.extract(r'(\d{5}\-?\d{0,4})')
df5 = df.loc[:,['Serial Number', 'Owner']]
df5['Zip'] = zip5
df5
```

```
[2]:      Serial Number                                       Owner   Zip
     0         71310112                                         NaN   NaN
     1         71464260  (REGISTRANT) Indian Arts and Crafts Board body…   NaN
     2         71466388  (REGISTRANT) Indian Arts and Crafts Board body…   NaN
     3         71466389  (REGISTRANT) Indian Arts and Crafts Board body…   NaN
     4         71466390  (REGISTRANT) Indian Arts and Crafts Board body…   NaN
```

```
..            …                                                                     …     …
197     90154780  (APPLICANT) Navajo Nation Gaming Enterprise a …  87311
198     90154806  (APPLICANT) Navajo Nation Gaming Enterprise a …  87311
199     90154829  (APPLICANT) Navajo Nation Gaming Enterprise a …  87311
200     90154848  (APPLICANT) Navajo Nation Gaming Enterprise a …  87311
201     90168722  (APPLICANT) Navajo Nation Gaming Enterprise a …  87311

[202 rows x 3 columns]
```

[3]:
```python
# Save this dataframe as a csv form
df5.to_csv('dfNavajo_csv')
```
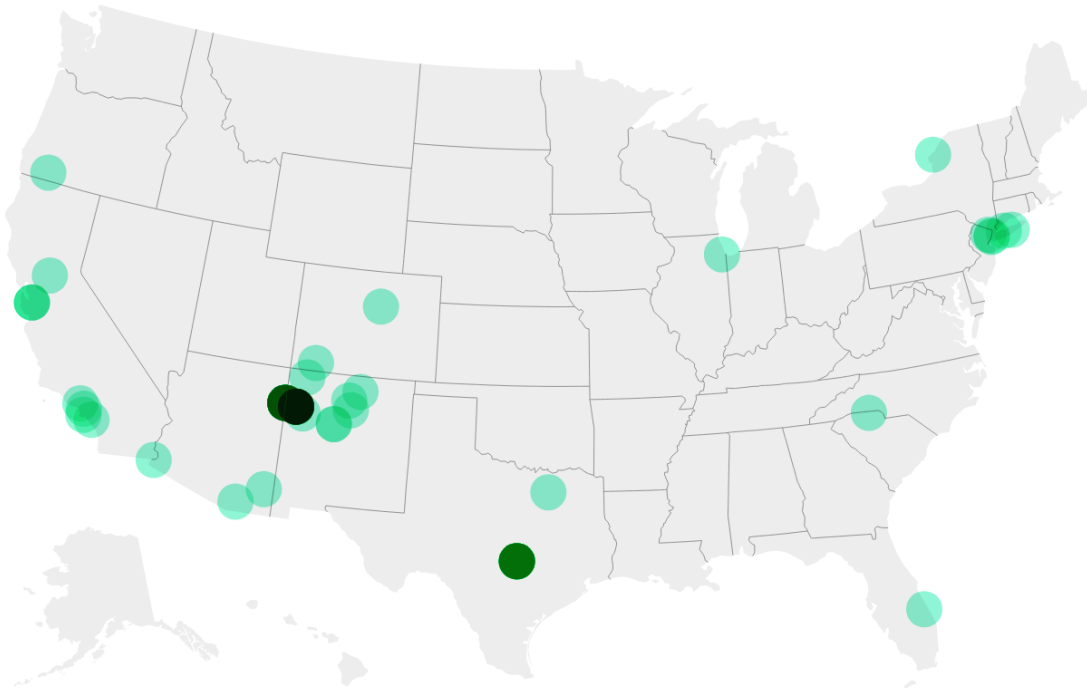
[4]:
```python
from IPython.display import Image
Image(filename='navajo-map.png')
```

[4]:

Navajo Map

Created with Datawrapper