main

July 10, 2021

1 Combine phenootype information and save

```python
[1]: import pandas as pd
```

```python
[2]: df = pd.concat((pd.read_csv('../../_m/%s_phenotypes.csv' % x, index_col=0)
                    for x in ['caudate', 'dlpfc', 'hippo', 'dg']))
     df.to_csv('merged_phenotypes.csv')
     df.shape
```

```
[2]: (1627, 11)
```

```python
[3]: individual_fields = ['BrNum', 'Sex', 'Race', 'Dx']
     dfi = df[individual_fields].groupby(individual_fields).first().reset_index()
     dfi.shape[0]
```

```
[3]: 723
```

```python
[4]: assert(dfi.shape[0] == len(set(dfi['BrNum'])))
```

```python
[5]: dfi = df[individual_fields + ['Age']].groupby(individual_fields).first().
     ↪reset_index()
     dfi.to_csv('individual_phenotypes.csv', index=None)
     dfi.shape
```

```
[5]: (723, 5)
```

```python
[6]: dfi.head()
```

```
[6]:    BrNum Sex  Race        Dx    Age
     0  Br1003   F    AA  Control  52.57
     1  Br1004   M    AA  Control  21.01
     2  Br1006   M    AA  Control  57.89
     3  Br1007   M    AA  Control  57.10
     4  Br1016   M  CAUC   Schizo  20.22
```

```python
[ ]:
```