

A file that maps Freebase relations and arguments to PropBank relations and arguments.

```
In [51]: f = open('FB_to_PB.csv', 'r')
for line in f.readlines(): print line.strip()
f.close()

fb_rel,pb_rel,fb_arg,pb_arg
acquisition,acquire,company_acquired,ARG1
acquisition,acquire,acquiring_company,ARG0
```

A function that reads the mappings file.

```
In [57]: def fb_to_pb_map(map_file):
    f2p = {}
    f = open(map_file, 'r')
    header=True
    for line in f:
        if header or line.strip()=='':
            header=False
            continue
        (fbr,pbr,fba,pba) = line.strip().split(',')
        if fbr not in f2p: f2p[fbr]={}
        f2p[fbr][fba] = pba
    f.close()
    return f2p
```

Use the function on the file.

```
In [58]: f2p = fb_to_pb_map('FB_to_PB.csv')
print f2p

{'acquisition': {'company_acquired': 'ARG1', 'acquiring_company': 'ARG0'}}
```

A function that, given a FB instance file, e.g. business/acquisition.tsv, returns a list of new PB instances.

```
In [54]: import csv
def pb_instances(fb_file, f2p_map):
    pb = []
    with open(fb_file, 'r') as f:
        for row in csv.DictReader(f, delimiter='\t'):
            pb.append({f2p[fbr][key]:value for (key,value) in row.iteritems() if key in f2p[fbr]})
    return pb
```

Test out the PB instance function on the acquisition file.

```
In [55]: fbr = 'acquisition'
pb = pb_instances('tmp.business_Freebase/%s.tsv'%fbr, f2p)
print pb[:10]
```

```
[{'ARG0': 'Art.com', 'ARG1': 'AllPosters.com'}, {'ARG0': 'Hewlett-Packard', 'ARG1': 'VoodooPC'}, {'ARG0': 'InBev', 'ARG1': 'Anheuser-Busch'}, {'ARG0': 'Sugar, Inc.', 'ARG1': 'Coutorture'}, {'ARG0': 'Scripps Network', 'ARG1': 'Incando Corporation'}, {'ARG0': 'Vast', 'ARG1': 'Edgeio'}, {'ARG0': 'Comcast', 'ARG1': 'TechTV'}, {'ARG0': 'Microsoft', 'ARG1': 'Jellyfish'}, {'ARG0': 'MSNBC Interactive', 'ARG1': 'Newsvine'}, {'ARG0': 'Pearson PLC', 'ARG1': 'Longman Publishing Group'}]
```

In [ ]:

