# Abi CAB

vedi anche "estrarre una tabella/altra prova"

```python
import pandas as pd
import os
os.chdir('D:/files/csv/AbiCab')
df = pd.read_csv('ABICAB.csv',sep='|', dtype='str', index_col=[0])
```

```python
df
```

```python
df['indirizzo_tot'] = df['Indirizzo']+', '+df['Comune']
```

```python
mask = (df['Regione'] != 'Sicilia')
regione = df[~mask]
```

```python
len(set(regione['Banca']))
```

```python
regione.sample(10)
```

```python
from geopy.geocoders import Nominatim
import time

# create a geolocator object
geolocator = Nominatim(user_agent="giovu")

for index, value in campania['indirizzo'].items():
    time.sleep(1)
    location = geolocator.geocode(value)
    if location:
        latitude, longitude = location.latitude, location.longitude
        print(index, location.address, (location.latitude, location.longitude))
```

```
        campania.at[index, 'geopy'] = location.address
        campania.at[index, 'lat'] = location.latitude
        campania.at[index, 'long'] = location.longitude
    else:
        print(f"Unable to geocode")
```

```
campania.to_csv('AbiCabCampania.csv', sep='|',header=True, index=False)
```