Lisez moi

<http://data.cquest.org/dgfip_dvf/LISEZ_MOI.txt>

Exemples:

- http://api.cquest.org/dvf?code\_commune=94068

- http://api.cquest.org/dvf?section=94068000CQ

- http://api.cquest.org/dvf?numero\_plan=94068000CQ0110

- http://api.cquest.org/dvf?lat=48.85&lon=2.35&dist=200

- http://api.cquest.org/dvf?code\_postal=89110&type\_local=Maison

**Request by “Code Commune”**

http://api.cquest.org/dvf?code\_commune={i}

75009

**Request by “Section”**

http://api.cquest.org/dvf?section={i}

from

75009000AA

to

75009000BF

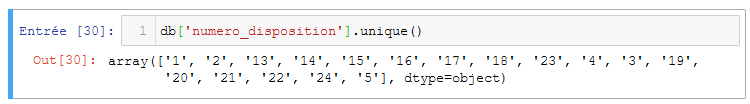
**Cleaning phase**

**#1 check columns**

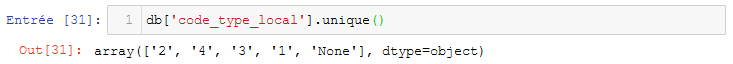
Columns from initial CSV file (41)

|  |  |  |
| --- | --- | --- |
| 1 | 'id\_mutation' | OK - To keep |
| 2 | 'date\_mutation' | OK - To keep |
| 3 | 'numero\_disposition' | to remove ? (not what is it) |
| 4 | 'nature\_mutation' | To keep (Vente/Echange/Adjudication…) |
| **5** | **'valeur\_fonciere'** | **To keep (transaction price)** |
| 6 | 'adresse\_numero' | to be merge to ‘adresse’ |
| 7 | 'adresse\_suffixe' | to be merge to ‘adresse’ |
| 8 | 'adresse\_nom\_voie' | to be merge to ‘adresse’ |
| 9 | 'adresse\_code\_voie' | not sure to keep as maybe Paris City data |
| 10 | ‘code\_postal' | to be merge to ‘adresse’ |
| 11 | 'code\_commune' | to be kept as maybe useful for URL research |
| 12 | 'nom\_commune' | to keep |
| 13 | 'code\_departement' | to remove |
| 14 | 'ancien\_code\_commune' | to remove as not required for the exercise |
| 15 | 'ancien\_nom\_commune' | to remove as not required for the exercise |
| 16 | 'id\_parcelle' | 75109000AA0044 - we could remove  75109 commune code (code to be moved)  000AA section\_prefixe (column to be moved)  as already indicated |
| 17 | 'ancien\_id\_parcelle' | to remove as not required for the exercise |
| 18 | 'numero\_volume' | no data to be removed |
| 19 | 'lot1\_numero' | to remove as not required for the exercise |
| 20 | 'lot1\_surface\_carrez' | to merge to ‘surface\_total’ |
| 21 | 'lot2\_numero' | to remove as not required for the exercise |
| 22 | 'lot2\_surface\_carrez' | to merge to ‘surface\_total’ |
| 23 | 'lot3\_numero' | to remove as not required for the exercise |
| 24 | 'lot3\_surface\_carrez' | to merge to ‘surface\_total’ |
| 25 | 'lot4\_numero' | to remove as not required for the exercise |
| 26 | 'lot4\_surface\_carrez' | to merge to ‘surface\_total’ |
| 27 | 'lot5\_numero' | to remove as not required for the exercise |
| 28 | 'lot5\_surface\_carrez' | to merge to ‘surface\_total’ |
| 29 | 'nombre\_lots' | to remove as not required for the exercise |
| 30 | 'code\_type\_local' | to remove as doubling data with 'type\_local' |
| 31 | 'type\_local' | to keep (Appartement, Dépendance …)  Column to clean as text not readable |
| 32 | 'surface\_reelle\_bati' |  |
| 33 | 'nombre\_pieces\_principales' | to keep |
| 34 | 'code\_nature\_culture' | to remove |
| 35 | 'nature\_culture' | to remove |
| 36 | 'code\_nature\_culture\_speciale' |  |
| 37 | 'nature\_culture\_speciale' |  |
| 38 | 'surface\_terrain' | a lot of NaN data |
| 39 | 'longitude' | **to keep in order to use a map** |
| 40 | 'latitude' | **to keep in order to use a map** |
| 41 | 'section\_prefixe' | to keep section “cadastre” |

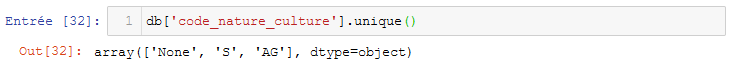
**Check numéro de disposition - no clue what is it**



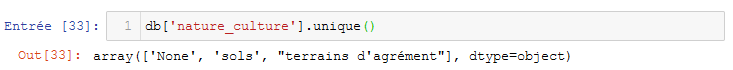
**Check 'code\_type\_local'**



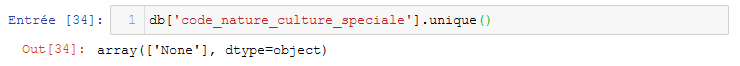
**Check 'code\_nature\_culture'**



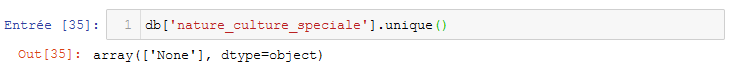
**Check 'nature\_culture'**



**Check 'code\_nature\_culture\_speciale'**



**Check 'nature\_culture\_speciale'**



**#2 check if the sum of the Carrez Surface will be equal to the column surface\_reelle\_bati**

In order to see if we can strip out all the carrez columns :

sum of lot{i}\_surface\_numero == surface\_reelle\_bati

db['lot5\_surface\_carrez']=db['lot5\_surface\_carrez'].replace('nan', 0)

db['lot5\_surface\_carrez']=db['lot5\_surface\_carrez'].replace('None', 0)

db['lot5\_surface\_carrez'].unique()

db

puis check si sum = column

**#3 check if the sum of the Carrez Surface will be equal to the column surface\_reelle\_bati**

analysis

* Group by Typologies 'type\_local'
* For type\_local = none

# cleaning columns :

Action to remove column / merge columns / order columns