

# Pipeline to process and analyze Paris's old property address directories (XIXe - XXe)\*

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# Historical property address directories of Paris and the Seine

## R.1 RABELAIS (Rue) 30-31

- 1 Eiffel, Paris, r. Rabelais, 1.
- 3 Richelot et Ostheimer, Paris, r. Rabelais, 3.
- 5 Entrée r. Montaigne, 26.
- 2-4 Gérard (B<sup>on</sup>), Paris, r. Rabelais, 2.
- 6-8 Aligre de Préaulx (M<sup>se</sup> d'), Paris, fg St-Honoré, 89.

*M. Eiffel est le propriétaire du n° 1 de la rue Rabelais, où il réside.*

These historical documents relate population's socio-economic or professional information with the Parisian space. Most of them remain forgotten in library collections without having been fully exploited

## LISTE ALPHABÉTIQUE DES RUES DE PARIS

N.B. Les rues sont classées suivant l'ordre officiel de la Ville de Paris.  
(Voir l'appendice à la fin du volume).

### A.2 ABBAYE (Rue de l') 14

- 1 Entrée pass. Petite-Boucherie, 1.
- 3 à 7 Laguibourgère (C. de), Paris, pl. St-Germain-des-Prés, 3.
- 11-13 Vallois, Paris, r. Abbaye, 13.
- 17-19 Entrée r. Rennes, 44.
- 2 Entrée r. Echaudé, 18.
- 2<sup>bis</sup>-4 Entrée r. Furstenberg, 7-9.
- 6 Michau et Douanne, Paris, r. Denfert-Rochereau, 47.
- 8 Delmas, Paris, r. Lots, 2.
- 10 Peignot, Paris, boul. Eg. Quinet, 68.
- 12 Romagny, Vincennes, av. Marigny, 37.
- 14 St-Luc (C<sup>ir</sup> de), Paris, r. Abbaye, 14.
- 16 Lenègre (Vve), Poissy, av. Mignot, 16 (S. et-O.).
- 18 Entrée r. Bonaparte, 37.
- 20 Entrée r. Bonaparte, 42.
- 22 Baudreuil (de), Paris, r. Bonaparte, 29.
- 24 Entrée r. St-Benoît, 11.

### A.3 ABBÉ DE L'ÉPÉE (Rue de l') 19

- 1 Moulou (M<sup>me</sup>), Paris, r. Abbé de l'Épée, 1.
- 3 Madiot, Secy s. Saône (H<sup>is</sup>-S<sup>on</sup>).
- 5 Mahille, Paris, r. Abbé de l'Épée, 5.
- 7 Saulier, Paris, r. Abbé de l'Épée, 7.
- 9 Briault, Paris, r. St-Antoine, 232.
- 11 Entrée r. St-Jacques, 254.
- 2 Entrée r. Gay-Lussac, 48.
- 4 Vurer, Paris, r. Abbé de l'Épée, 4.
- 6 Gérard, Thomery (S.-et-M.).
- 8 Paris, Paris, r. Abbé de l'Épée, 8.
- 10 Ville de Paris.
- 12 Monnier (M<sup>me</sup>), Paris, r. Abbé de l'Épée, 12.
- 14 Wickmann, gér. Delail, r. Abbé l'Épée, 14.
- 16 Fabre (H<sup>me</sup>), gér. Delail, Paris, r. Abbé de l'Épée, 16.
- 18 Loriol (Vve), Paris, r. Mont-Thabor, 6.
- 20 Entrée boul. St-Michel, 105.

### A.4 ABBÉ GRÉGOIRE (Rue de l') 13

- 1 Guésdon, Paris, r. Abbé Grégoire, 1.
- 3 Breton (Vve), Paris, r. Abbé Grégoire, 3.
- 3<sup>bis</sup>-5 Breton, Paris, boul. St-Germain, 182.

- 7 Guillaume, Paris, r. Renard, 29.
- 9 St-Elme (M<sup>me</sup>), gér. Ste-Marie, Paris, r. Madame, 33.
- 11 Moreau, Paris, fg St-Honoré, 164.
- 13 Pamart, Paris, r. Abbé Grégoire, 13.
- 15 Best (Vve), Paris, r. Abbé Grégoire, 15.
- 17 Entrée r. Cherche-Midi, 64.
- 19 Entrée r. Cherche-Midi, 57.
- 21 Hamot, Pontoise (S.-et-O.).
- 23 Coulon (Vve), Châlons, av. Pièce d'Eau, 12 (S.-et-O.).
- 25 Hervieux (Vve), Paris, r. Abbé Grégoire, 25.
- 27 Reslut, Paris, r. Le Peletier, 42.
- 29 Leroux (H<sup>me</sup>), gér. Bioche-Frye, Paris, r. Grenelle, 96.
- 31 Mauméné, Paris, r. Rivoli, 5.
- 33 Lefevre, Paris, r. Abbé Grégoire, 33.
- 35 Dubois, Paris, r. Abbé Grégoire, 35.
- 37 Roux, Paris, boul. Montparnasse, 89.
- 39 Falconnier (H<sup>me</sup>), gér. M<sup>me</sup> Dupré, Vincennes, r. Paris, 56 (Seine).
- 41 James, Paris, r. Abbé Grégoire, 41.
- 43 Rodier (M<sup>me</sup>), St-Mandé, av. Herbillon, 45 (Seine).
- 45 Deslans, Paris, r. Montmartre, 15.
- 47 Entrée r. Vaugirard, 90.
- 2 Minot, Coulommiers, r. Prés, 13 (S.-et-M.).
- 4 Rigaux, Paris, boul. Montparnasse, 51.
- 6 Dally, Paris, r. Léonie, 3.
- 8 à 16 Dames de St-Maur, Paris, r. Abbé Grégoire, 10.
- 18 Entrée r. Cherche-Midi, 66.
- 20 Talabard, St-Maurice (Seine).
- 22 David, Paris, r. Caumartin, 37.
- 24 Quicray, Paris, r. Abbé Grégoire 24.
- 26 Topart, Paris, av. République, 19.
- 28 Entrée r. Vaugirard, 92.

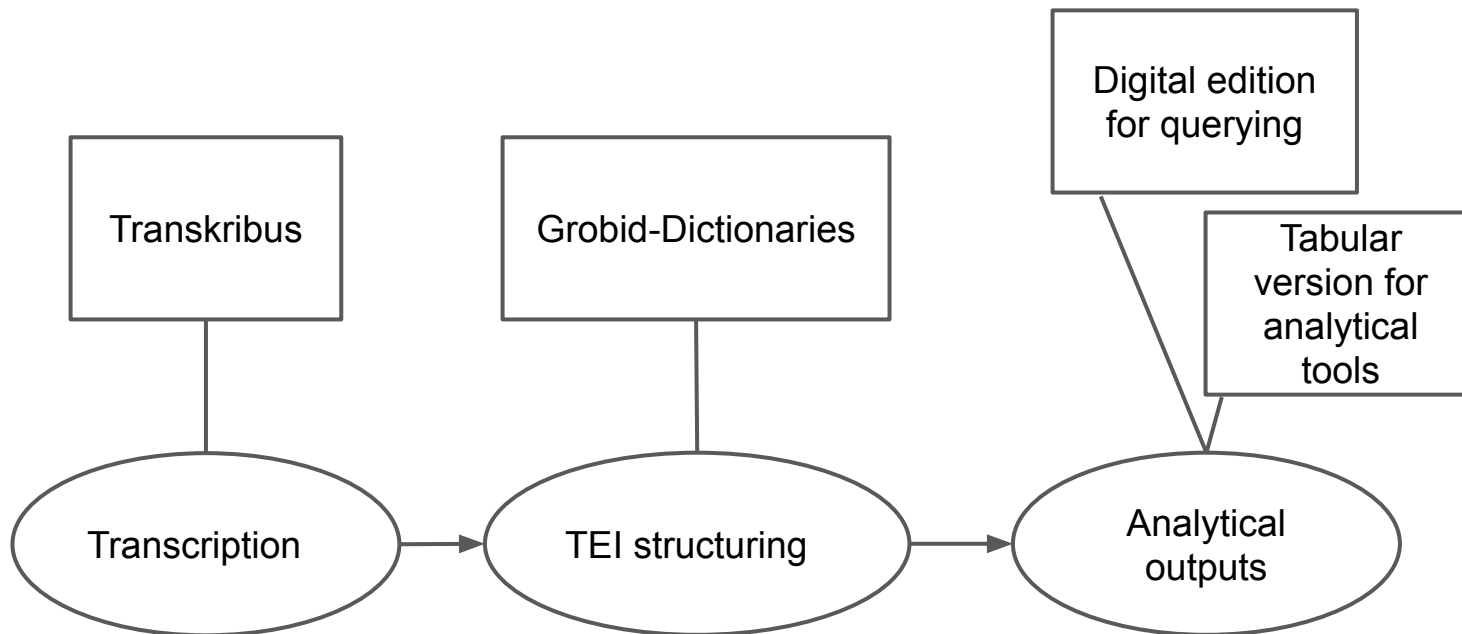
### A.5 ABBÉ GROULT (Rue de l') 17-19

- 1 Trépiér, Paris, r. Abbé Groult, 1.
- 3 Entrée r. Entrepreneurs, 108.
- 5-5<sup>bis</sup> Avainin (H<sup>me</sup>), gér. Halloin, Paris, r. Ecoles, 36.
- 7 Fallet, Paris, r. Abbé Groult, 7.
- 9 Jaeger, Paris, r. Pavée, 17.

# Objectifs

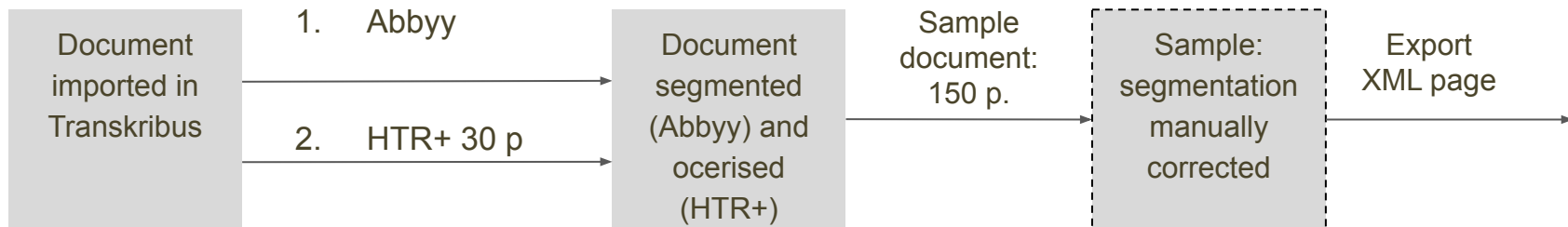
- digitise and publish this directory in XML/TEI from a transcription on the principle of respecting as close as possible the original layout of the document
- transform indirect locations (addresses) into direct locations (geocoded addresses) from a geohistorical reference data set (if possible)
- carry out a socio-economic and spatial analysis of the Parisian population at specific times and in diachrony

# Pipeline to process and analyze directories



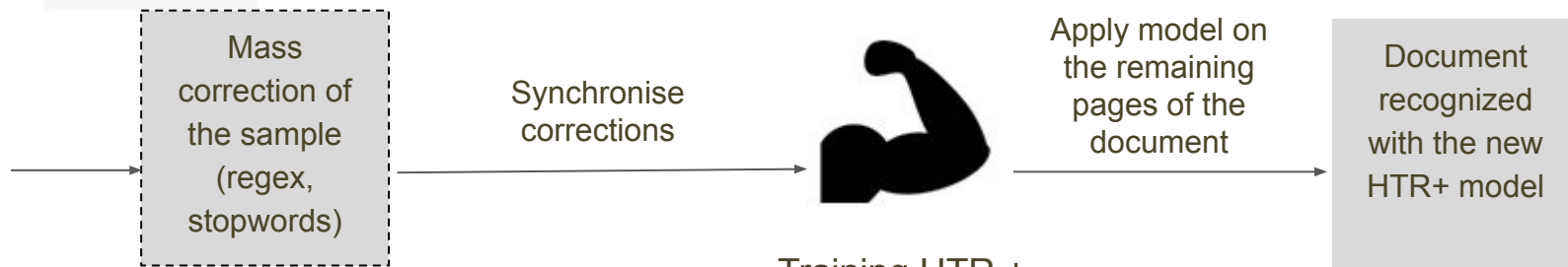
# HTR+ Model for 1898 volume

**Transkribus**



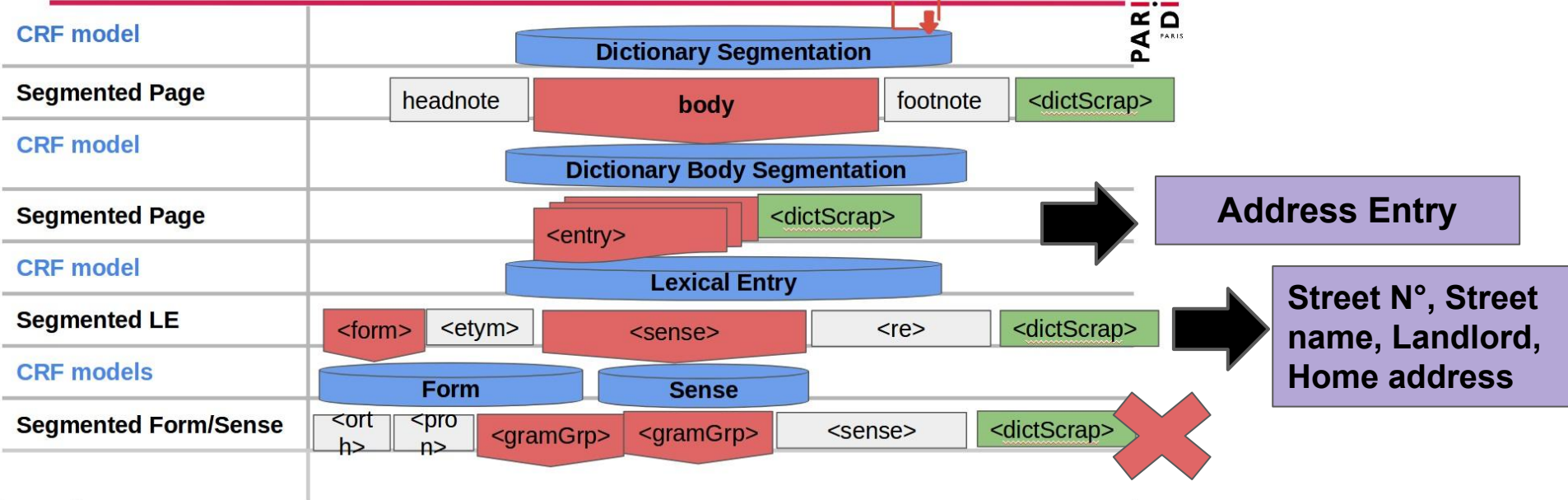
**Transkribus**

**CER 0.27%**



# Adapt Grobid-Dictionaries to deal with directories

## GROBID-Dictionaries: LI Processing



# Adapt Grobid-Dictionaries to deal with directories

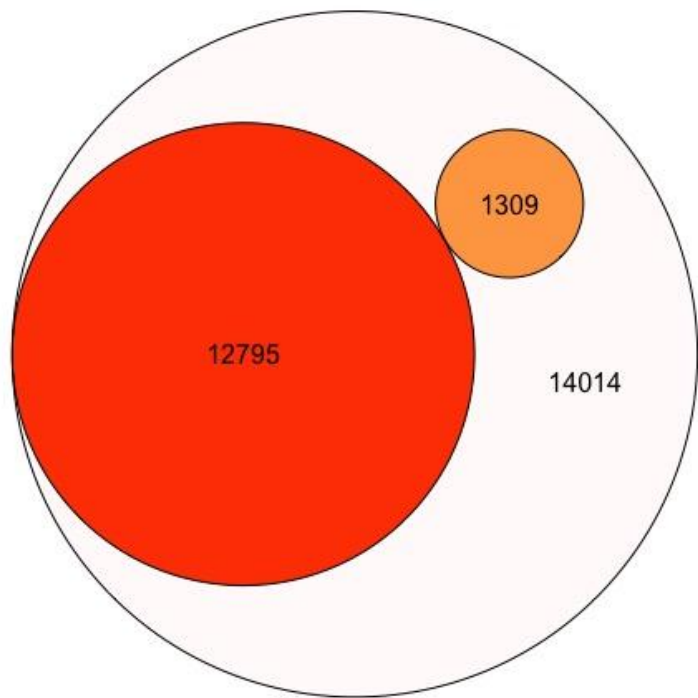
## **R.1** **RABELAIS** (Rue) <sup>30\_31</sup>

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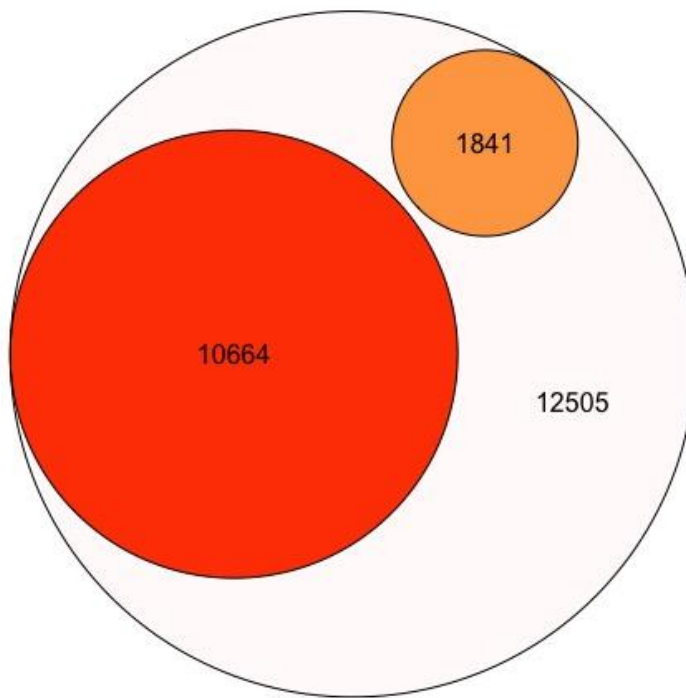
```
<div>
  <head>
    <address type="street">
      <idno type="streetCode">code de la rue</idno>
      <street>nom et type de voie</street>
      <idno type="borrow">n° de quartier</idno>
    </address>
  </head>
  <list>
    <item>
      <num>n° de l'entrée de l'immeuble</num>
      <geo resp="#L93">coord. Lambert 93</geo>
      <geo resp="#GPS">coord. GPS</geo>
      <person>
        <persName>nom du propriétaire</persName>
        <address>
          <settlement>ville (domicile du propriétaire)</settlement>
          <street>domicile du propriétaire</street>
        </address>
      </person>
    </item>
  </list>
</div>
```

# First data observations

Properties in Paris



Houses in Paris

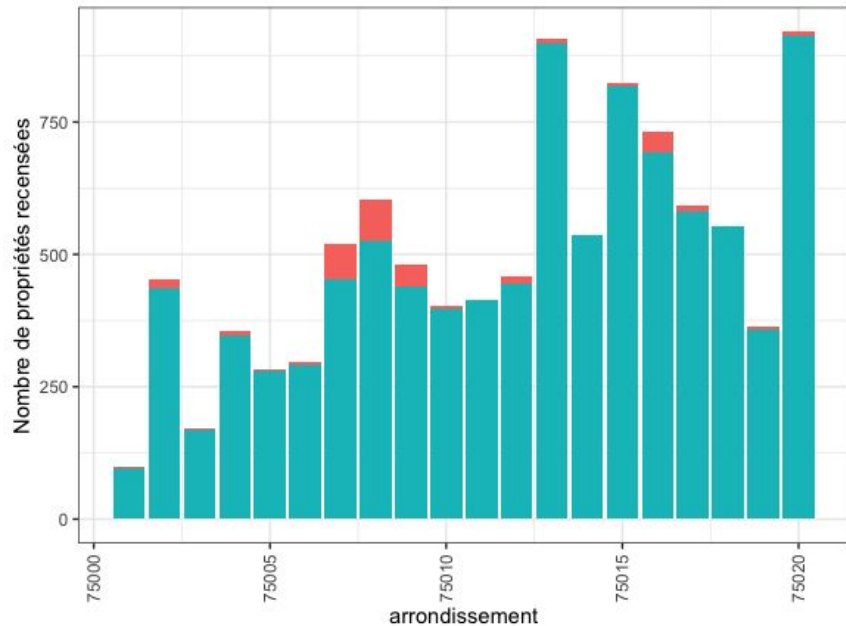


- Parisian addr.
- Geolocalized Parisian addr.
- Non geolocalized Parisian addr.

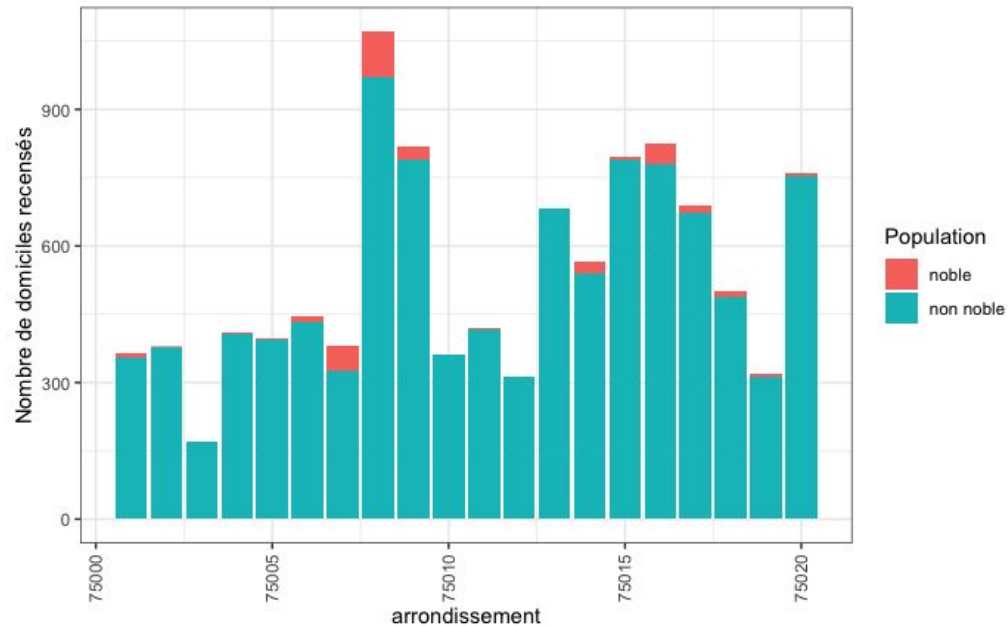


# First data observations (2)

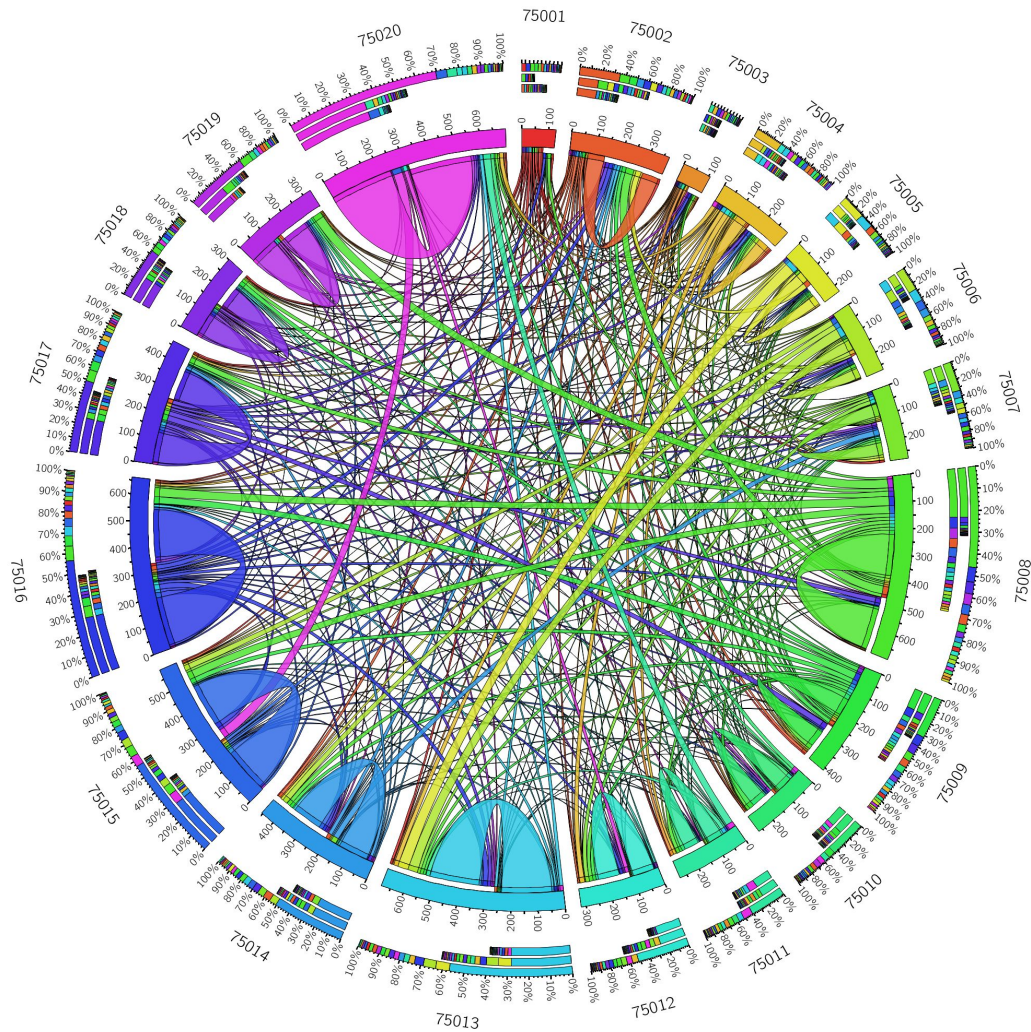
Propriétés par arrondissement



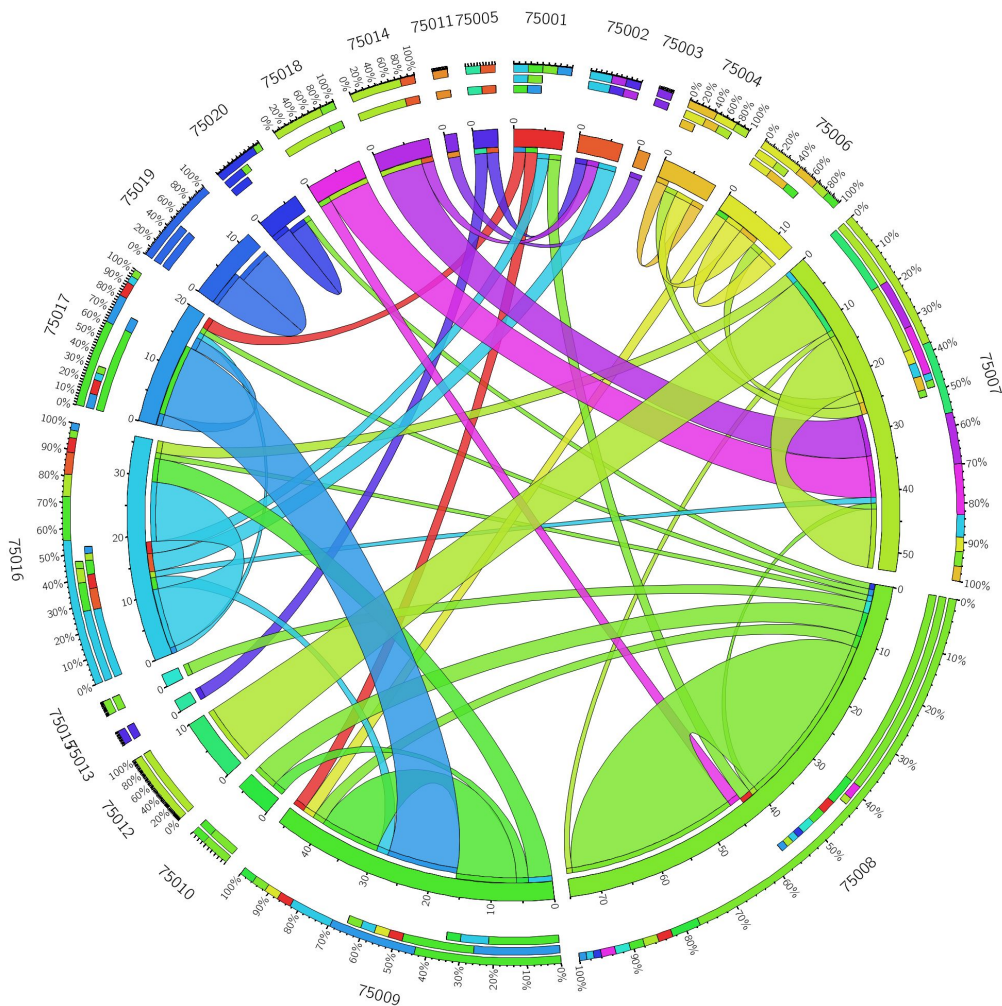
Domiciles par arrondissement



Parisian landlords  
with more than one  
property (distribution  
by district)



Parisian nobles with more than one property (distribution by district)

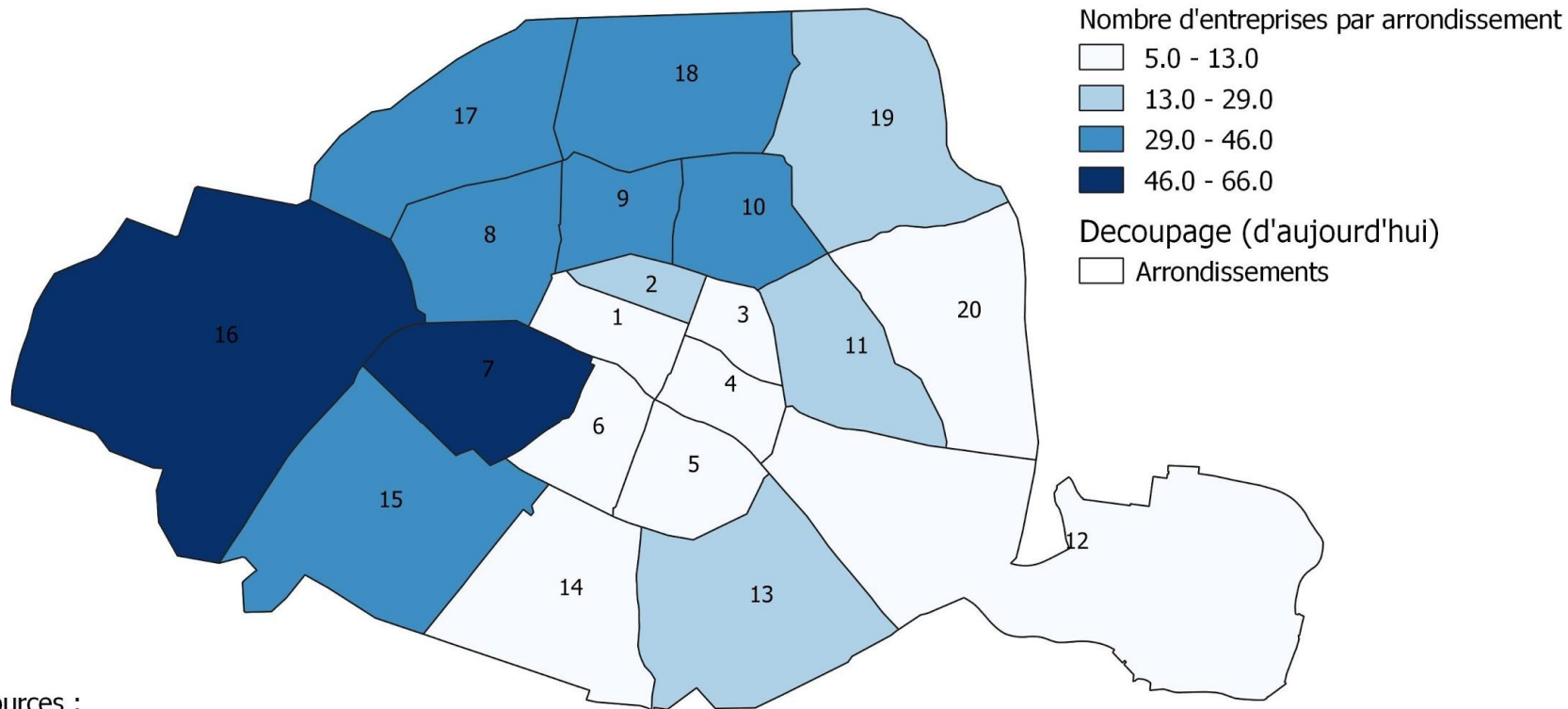






## Businesses' properties in Paris at 1898

## Businesses' headquarters (Nowadays geolocation)



### Sources :

- adresses : Annuaires de propriétaires de Paris et de la Seine, vol. 1898. Les localisations sont issues de <https://geo.api.gouv.fr/adresse>.
- decoupage administratif : Ville de Paris (<https://opendata.paris.fr/>)

# Contributions and next steps

- Create resources from historical documents detailing information about Paris at a given point in its history to enable analysis by historians of the city.
- Set up a workflow of widespread open source applications in the digital humanities (Transkribus, OpenRefine, QGIS, API) in the digital humanities, ready to use and applicable in different contexts.

Coming :

- Processing of the entire corpus
- XML-TEI structuration with Grobid-dictionaries
- Enrichment of the geohistorical repository of Parisian addresses
- Diachronic analysis and cross-referencing with other sources (Bottin)

# Thanks

<https://paris-timemachine.huma-num.fr/>

<https://paris-timemachine.huma-num.fr/groupe-adresses-et-annuaires/>

# Appendices



# Annuaire des propriétaires et des propriétés de Paris et du département de la Seine

- lists all Parisian addresses and their owners. Published between 1894 and 1937 (interruption between 1915 and 1919)
- consists of two sections: a list of owners and a list of properties classified by streets (900 pages per list, 50 000 owners listed by volume)

## Overall condition of the collection:

- 38 units kept at the Bibliothèque nationale de France (non-digitized)
- first volumes of the collection cannot be communicated (poor state of conservation)

# Digitized documents

Year	Pages	Observations
1898	915	Displays 3 different fonts
1903	993	Displays same fonts as in 1898 volume
1913	1081	Adds a 4th font
1923	912	Layout differs from the other volumes

# Extracting addresses from a sample

- 150 pages from the 1898 volume

- Information selected:

Legal and natural persons (distinction between rank of nobility, civil status of women property owners), cities and departments of non-Parisian property owners, buildings dependent on the state or the city or belonging to companies, associations or religious groups.

- Information excluded:

Indication of entrances to properties, constructions, buildings, properties administered by managers (business address of the manager and not owner's one), properties without a specific entrance number (even, odd, no number).

# Spatialization of addresses from a sample

- automatic geocoding addresses with API data.gouv  
<https://geo.api.gouv.fr/adresse>
  - **located** - addresses with a name and a number of the lane and the name of the city (Paris). It is therefore estimated that these addresses have not changed: 12,700 out of 14k.
  - **not located** - addresses where the street and town names have changed: 1300 addresses out of 14k.
- In the long term, we aim at a **historical spatialization** through the enrichment of an existing geohistorical repository (GeoHistoricalData team, IGN/EHESS)