

Context (1/2)



A very recent opening of court decisions in open data

Loi pour une République numérique,
Loi pour la programmation de la justice,
Décrets d'application avec 1ère échéance en 2021



A very technical litigation area

« Un contentieux en crise » (<u>Réflexions sur la crise du contentieux économique</u>, Benoît Remiche, 1984)

- Lack of technicals skills in parliaments
- « Inflation législative »
 Monopoly of "Avocats au Conseil"

Context (2/2)



Légifrance

« The data from Légifrance is made available for free re-use as laid down in the Order of 24 June 2014 on the free re-use of the legal databases of the Directorate for Legal and Administrative Information »

2 472 293 court decisions

Our solution



Developping an automatical analysis of the Cassation decisions

Economical and commercial chamber
These 5 last years



The objective : assess the lawyer's performance in a monopolistic market



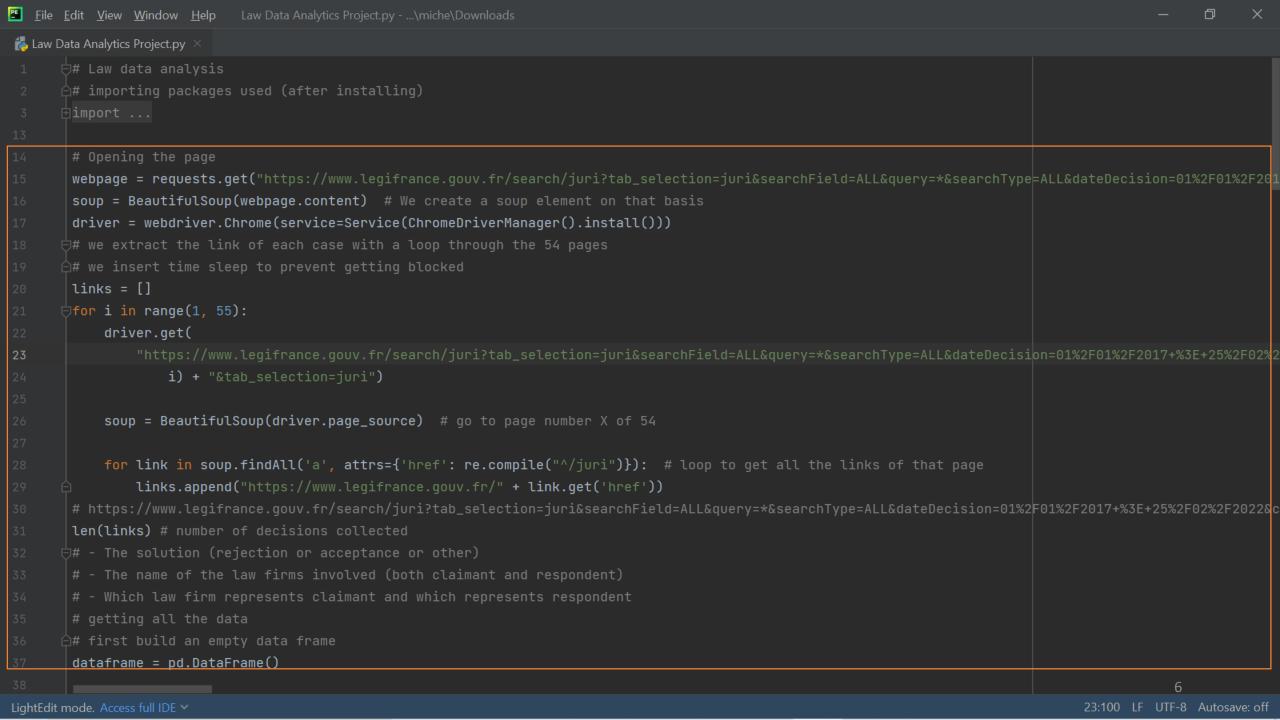
1st step

Objective: scrapping all the decisions page

The criteria of the research are integrated <u>manually</u> in the Legifrance system, and the page is integrated in a soup

Therefore, creation of a <u>list</u>, and a <u>loop</u> will assess all the 55 pages of results

Integration of all the links of the decisions in a <u>list</u>



2nd step

Prealable: creation of a dataframe who will integrate and process ...

Decision number

Solution

Lawyer identification

Creation of a <u>loop</u> who will assess all the links listed and save all these informations listed

We create a soup, and use (i) html parser and, therefore, isolate the string to only have the core information

```
File Edit View Window Help Law Data Analytics Project.py - ...\miche\Downloads
Law Data Analytics Project.py X
        dataframe = pd.DataFrame()
        # prepare the lists to be filled with the information of each decision
        N_pourvoi = []
        Solution = []
        lawyers = []
       for link in links:
            driver.get(str(link))
            soup = BeautifulSoup(driver.page_source,
                                  'html.parser')
            info = soup.find("div", class_="frame-block print-sommaire")
            info = info.find_all_next(string=True, limit=11)
            lawyers.append(info[10])
            Solution.append(re.sub('[^a-zA-Z0-9 \n\.]', '', info[4].replace("Solution : ", "")))
            N_pourvoi.append(info[1].replace("N° de pourvoi : ", ""))
        # Finalizing the dataframe
        dataframe['n_pourvoi'] = N_pourvoi
        dataframe['lawyers'] = lawyers
        dataframe['solution'] = Solution
        list_lawyers=[]
       for i in range(dataframe.shape[0]):
            # Split by Law Firm and get the list of lawyers for each case
            list_lawyers.append([x.replace(",","").strip() for x in re.split('SAS|SCP|SARL|Me|SPFL',dataframe.loc[i,'lawyers'])])
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3rd step

Objective : creation of the lawyers list

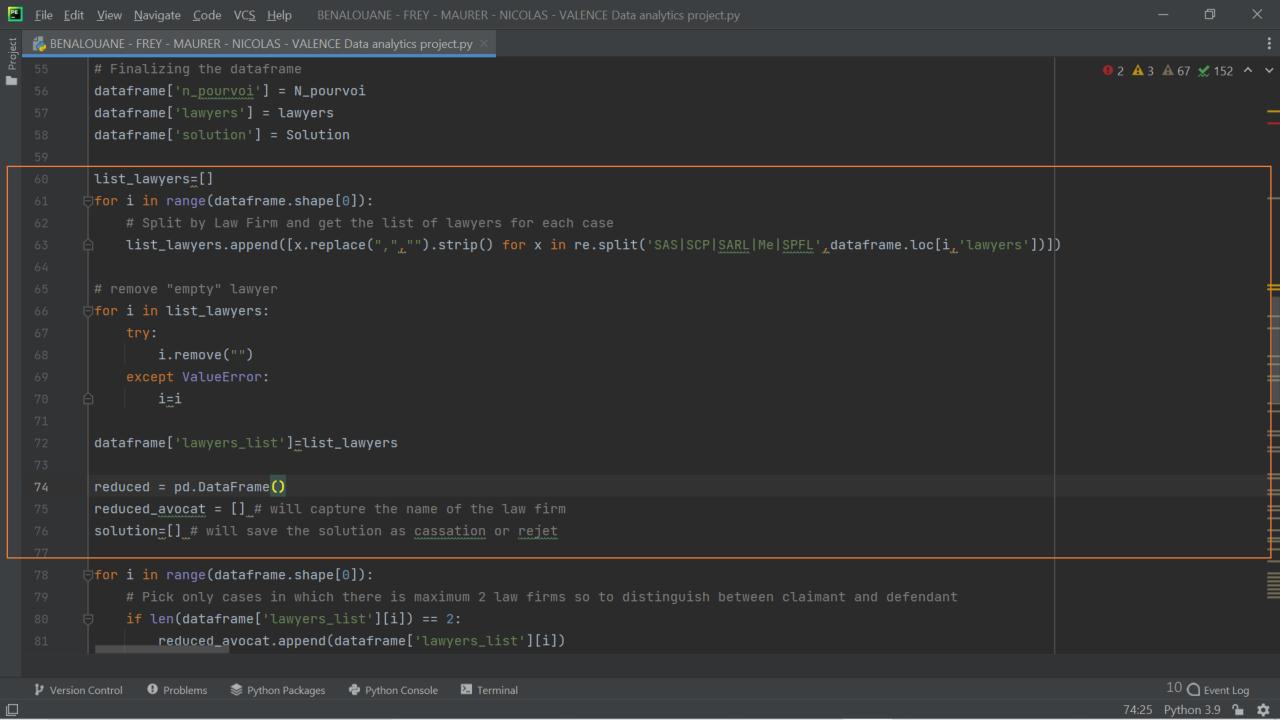
Success rate

Lawyer identification

We isolate all the core information;

we had to clear few times the information and create a « reduced » list

We had a new list with all the formally-cleared lawyers



4th step

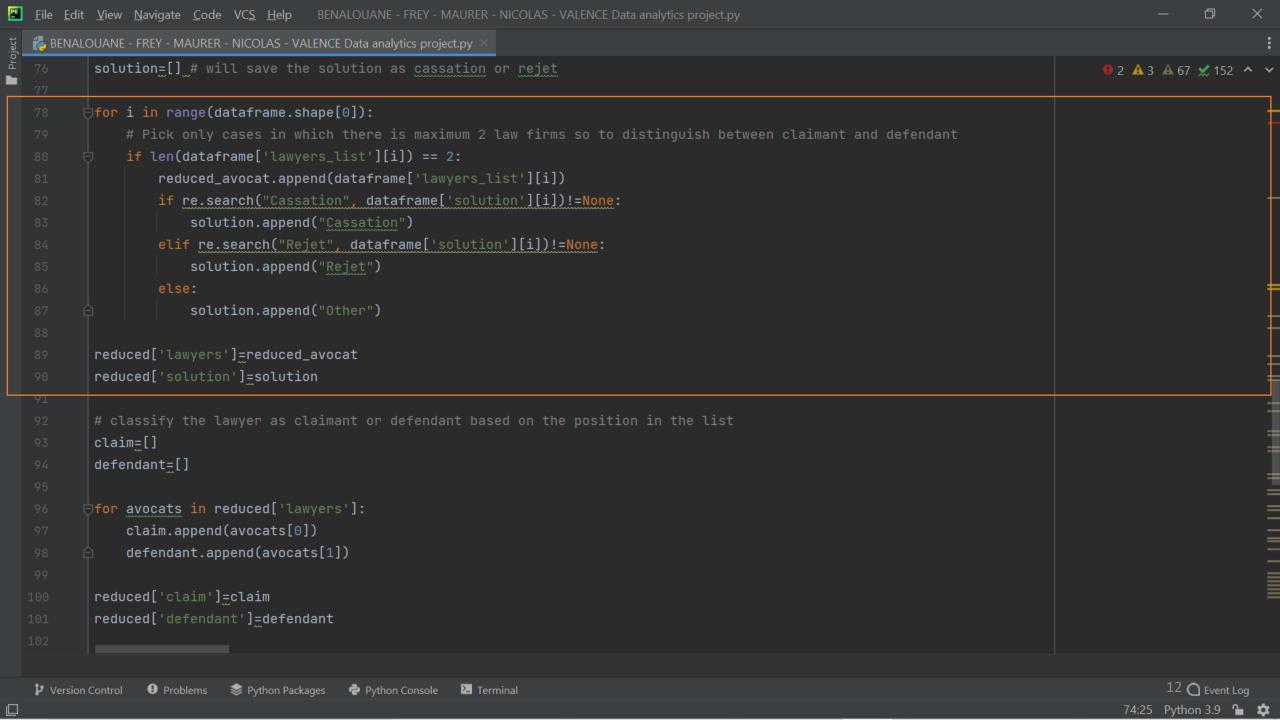
Creation of a way to calculate the success rate

We process

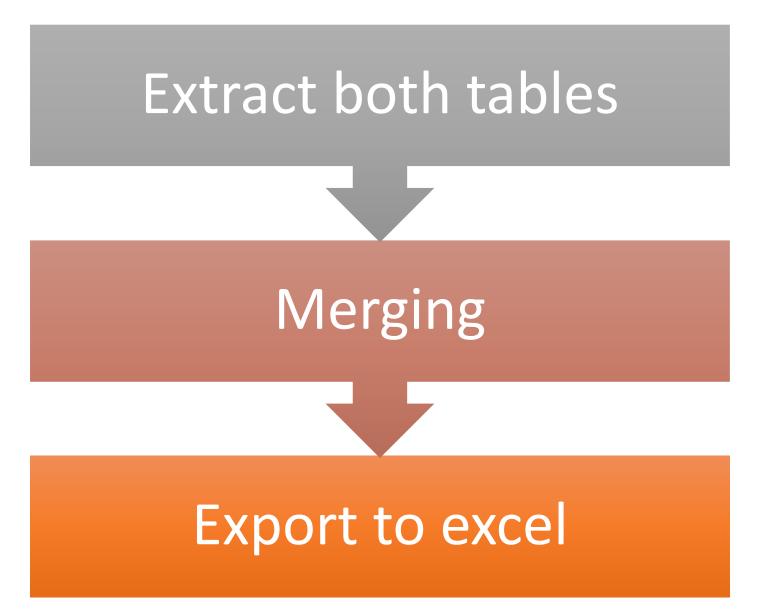
"Cassation" as a **Claimant** win

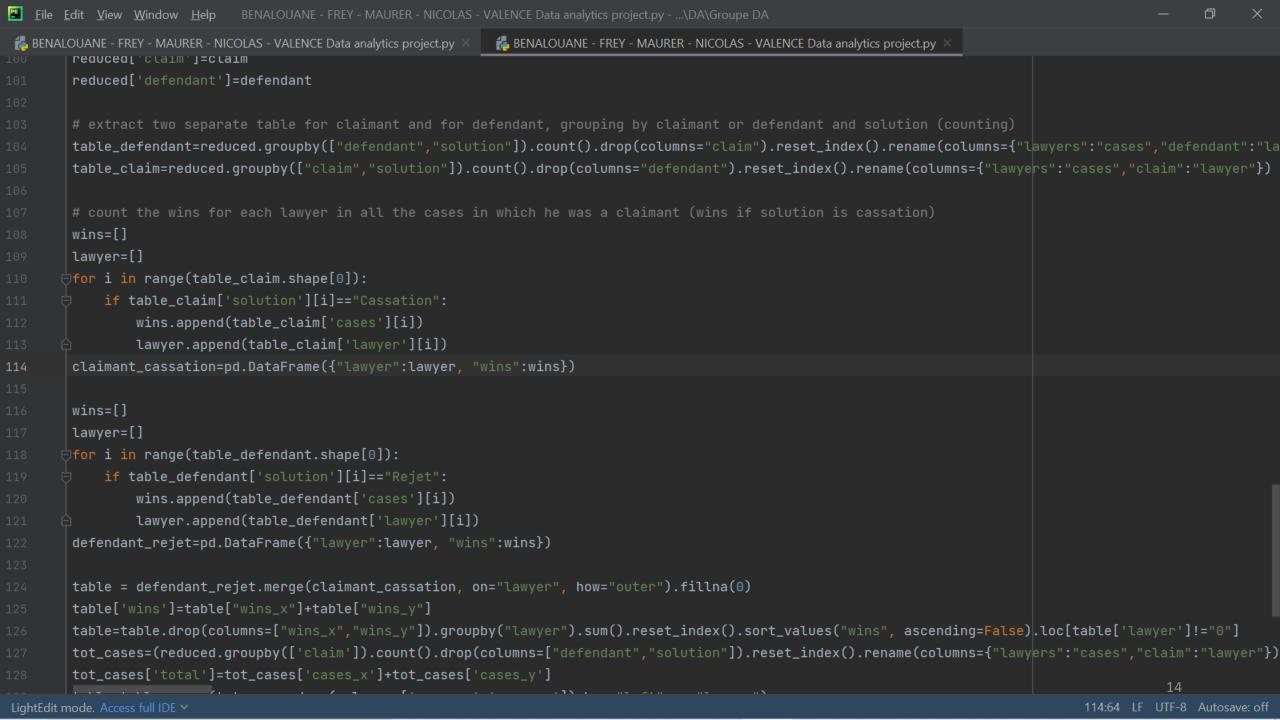
"Rejet" as a **Defendant win**

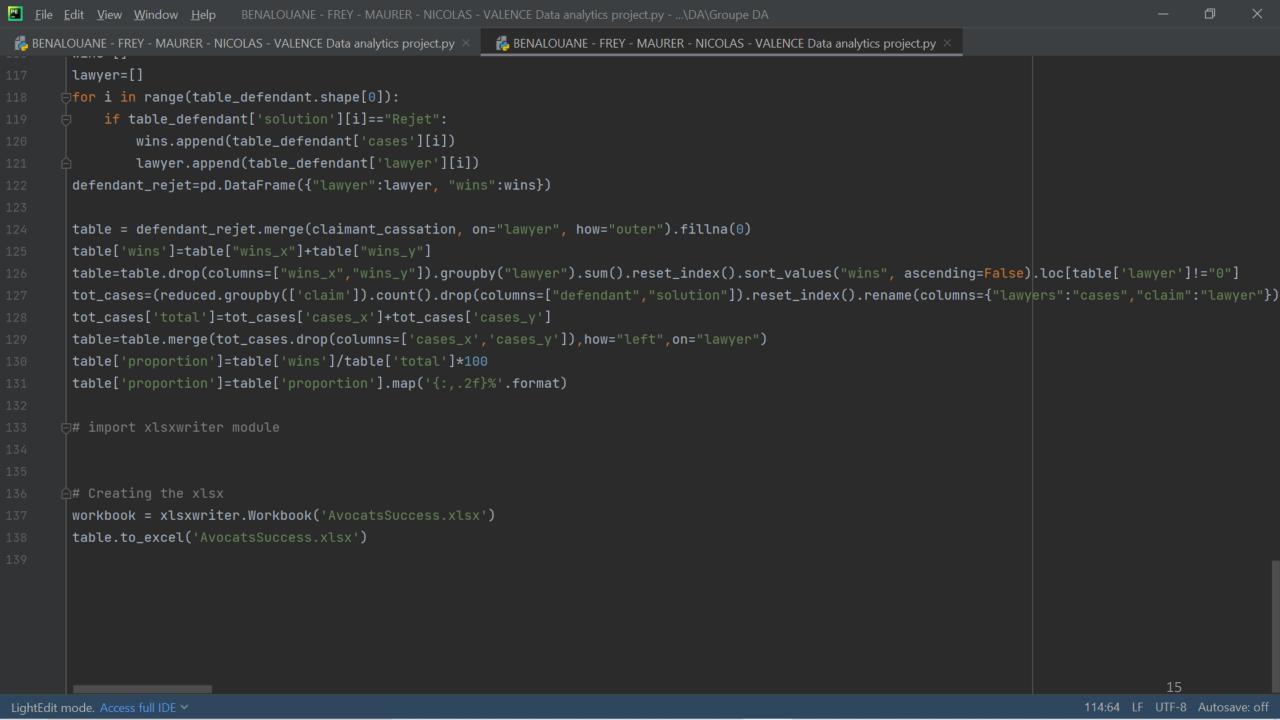
And, therefore we have two lists with the number of wins per lawyer



5th step







Technical issues

Perspectives ?

DATA ANALYTICS

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