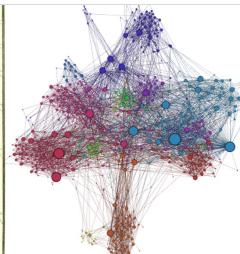
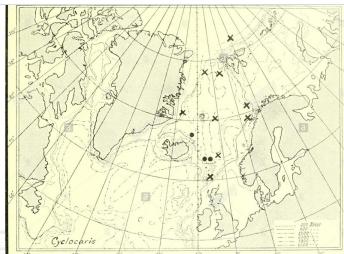


```
# For details, see https://review.docs.microsoft.com/en-us/visualstudio/rvs/sql-server  
  
# Test code  
library(RODBC)  
channel <- odbcDriverConnect(dbConnection)  
InputDataSet <- sqlQuery(channel, iconv(paste(readLines(  
  'c:/proj/rproject1/rproject1/storedprocedure/query.sql',  
  encoding = 'UTF-8', warn = FALSE), collapse = '\n'), from = 'UTF-8',  
  to = 'ASCII', sub = ''))  
odbcClose(channel)  
  
OutputDataSet <- InputDataSet
```



Showcase

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Université de Versailles Saint Quentin en Yvelines
Université Paris-Saclay



From *Last Letters* to an
Atlas of Nazi-Fascist Repression

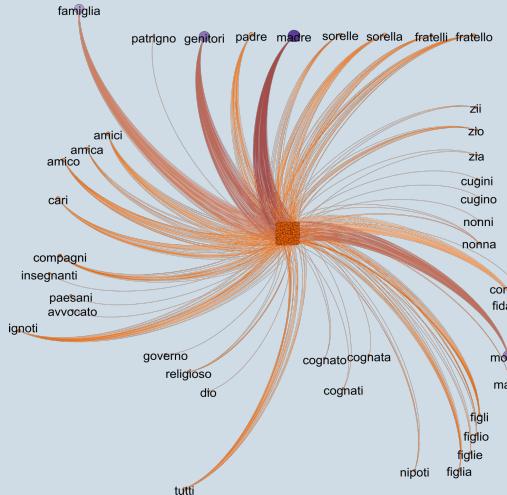
<https://hal.archives-ouvertes.fr/hal-02388411>

Last Letters

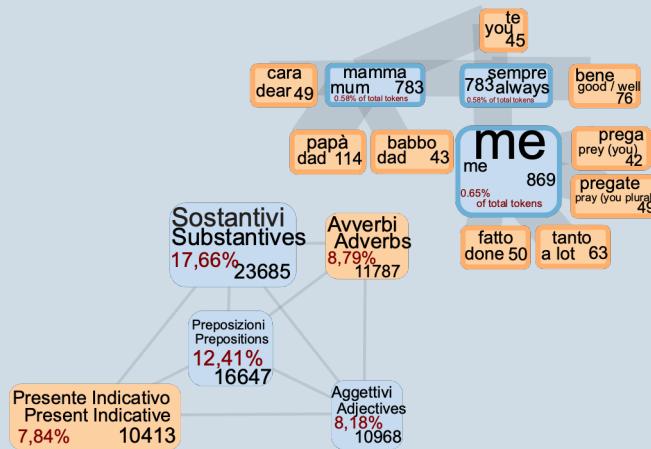
from the World Wars:
Forming Italian Language, Identity
and Memory in Texts of Conflict



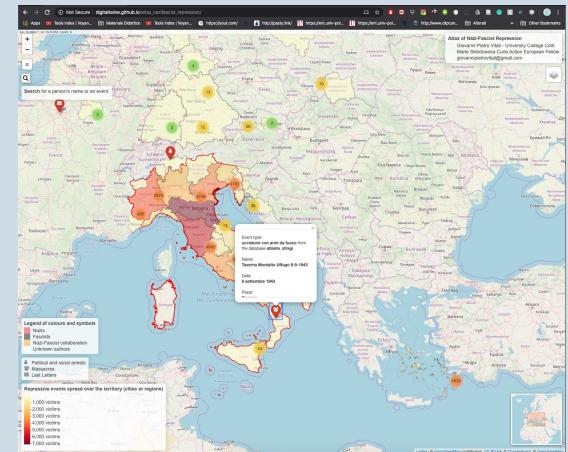
CULTURAL



LINGUISTIC



GEO-SPATIAL



24 May 1915
4 November 1918
WWI



Historical Context

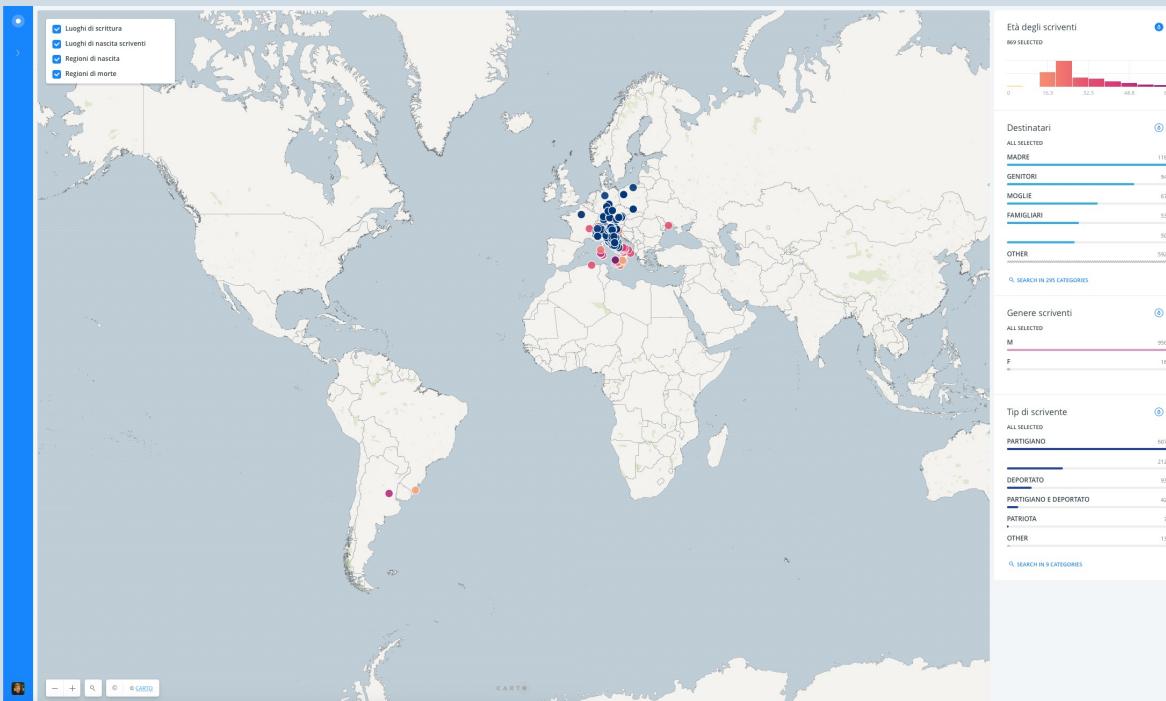


8
September
1943



WWII
10 June 1940
25 April 1945

<http://bit.ly/2NYtNcR>



Digital edition of the last letters



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ISTITUTO NAZIONALE
FERRUCCIO PARRI
RETE DEGLI ISTITUTI PER LA STORIA
DELLA RESISTENZA E DELL'ETÀ
CONTEMPORANEA

Ferruccio Parri
National Institute

MILAN

- LAST LETTERS DATASET
- MASSACRES DATASET



Fondazione
Centro di
Documentazione
Ebraica
Contemporanea

Centre for Contemporary
Jewish Documentation

- DEPORTATION DATASET

■ Nazisti



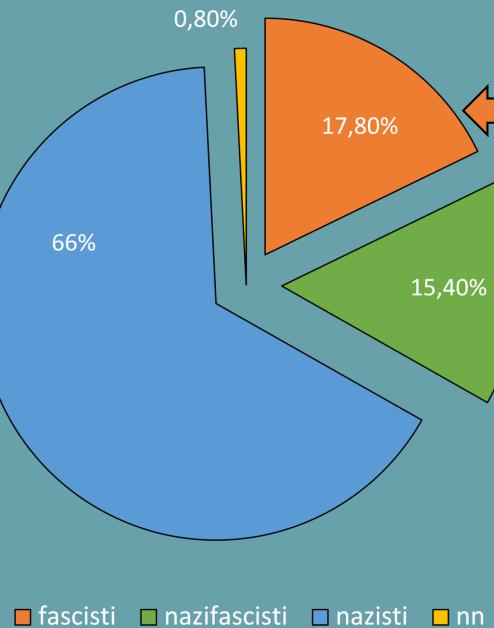
Corpus description

- 36140 people killed and/or deported to lagers: vittime.
- 14618 repression events included in the dataset: eventi.

• Fascisti



Percentuale vittime



■ Nazifascisti

- <https://leafletjs.com/>



- <https://rstudio.github.io/leaflet/>



Leaflet is one of the most popular open-source JavaScript libraries for interactive maps. It's used by websites ranging from The New York Times and The Washington Post to GitHub and Flickr, as well as GIS specialists like OpenStreetMap, Mapbox, and CartoDB.

Vittime_V3

```

<!--this invokes the slider plugin that should control the appearing and disappearing of points
<script src="../leaflet-slider-master/dist/leaflet-slider.js"></script>
<link rel="stylesheet" href="../leaflet-slider-master/dist/leaflet-slider.css">-->

<!--this invokes the coordinates plugin, which tells you the coordinates on hovering mouse-->

<script type="text/javascript" src="https://cdn.rawgit.com/nezasa/iso8601-js-period/master/iso8601.min.js"></script>
<script type="text/javascript" src="https://cdn.rawgit.com/socib/Leaflet.TimeDimension/master/dist/leaflet.timedimension.min.js"></script>
<link rel="stylesheet" href="https://cdn.rawgit.com/socib/Leaflet.TimeDimension/master/dist/leaflet.timedimension.control.min.css" />

<script src="./vittimeTest2.geojson" type="text/javascript"></script>-->
<!--this invokes the jQuery js repository, which has not been used yet-->
<script src="http://code.jquery.com/ui/1.9.2/jquery-ui.js"></script>
<link href="http://code.jquery.com/ui/1.9.2/themes/base/jquery-ui.css" rel="stylesheet" type="text/css" />
<script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
<!-- the style is the css part: either tags, ids (#), or class (.) are styled in here, and called later on as divs-->
<script src="https://cdnjs.cloudflare.com/ajax/libs/OverlappingMarkerSpiderfier-Leaflet/0.2.6/oms.min.js"></script>
```

| iCloud... | nazifascistiLetter.png | 30 giugno 2019 18:01 | 1 KB | Immagine PNG | |
|--------------|------------------------|----------------------|----------|-----------------|--|
| Posizioni | nazifascisti.ai | 24 giugno 2019 07:08 | 768 KB | Adobe...cument | |
| Koine | nazistiArresto.png | 30 giugno 2019 18:23 | 17 KB | Immagine PNG | |
| / Disco r... | nazistiArresto.svg | 3 luglio 2019 19:29 | 6 KB | Scalabl...Image | |
| Tag | nazistiLetter.png | 30 giugno 2019 17:59 | 772 byte | Immagine PNG | |
| Arancio | nnArresto-01.png | 3 luglio 2019 19:11 | 99 KB | Immagine PNG | |
| Giallo | nnArresto.png | 30 giugno 2019 18:48 | 16 KB | Immagine PNG | |
| Casa | nnArresto.svg | 3 luglio 2019 23:25 | 7 KB | Scalabl...Image | |
| Blu | nnLetter.png | 3 luglio 2019 19:16 | 80 KB | Immagine PNG | |
| Viola | vittime_mappa.html | 4 luglio 2019 23:04 | 27 KB | HTML...ocument | |
| | vittimeTest.geojson | 24 giugno 2019 05:43 | 12,7 MB | GeoJSON File | |
| | vittimeTest.json | 24 giugno 2019 03:29 | 12,7 MB | JSON File | |
| | VittimeTest1.geojson | 3 luglio 2019 23:56 | 14,4 MB | GeoJSON File | |
| | vittimeTest2.geojson | 4 luglio 2019 22:41 | 14,4 MB | GeoJSON File | |

31 elementi, 251,81 GB disponibili

Chronological Map

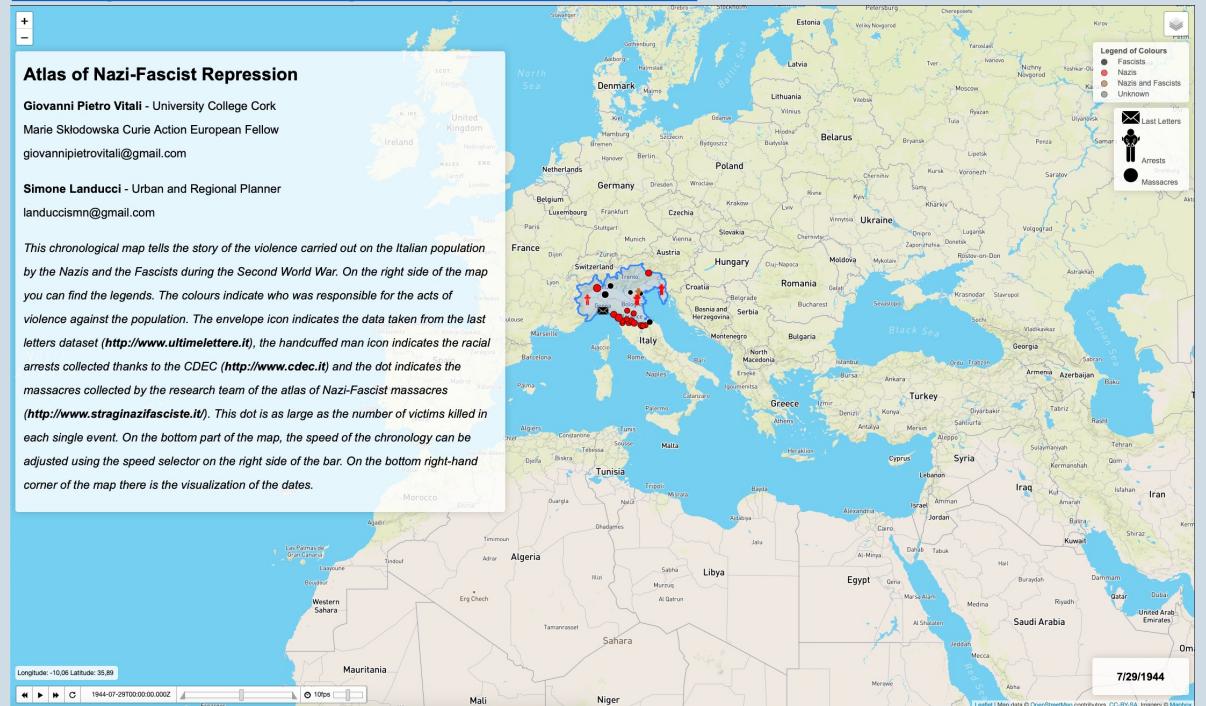
```

1191 lines (1090 sloc) | 52.7 KB
Raw Blame
1 <html>
2   <head>
3     <meta charset="utf-8" />
4     <title>Atlas of Nazi-Fascist Repression</title>
5     <meta name="viewport" content="initial-scale=1,maximum-scale=1,user-scalable=no" />
6     <link rel="stylesheet" href="https://unpkg.com/leaflet@1.3.4/dist/leaflet.css" />
7     <script src="https://unpkg.com/leaflet@1.3.4/dist/leaflet.js"></script>
8     <script src="https://cdnjs.cloudflare.com/ajax/libs/leaflet-ajax/2.1.0/leaflet.ajax.min.js"></script>
9
10    <!--this invokes the opacity plugin to control the layers transparency through a slider-->
11    <script src="/Leaflet.Control.Opacity.Master/dist/L.Control.Opacity.js"></script>
12    <script type="text/javascript" src="/Leaflet.Coordinates.Master/dist/Leaflet.Coordinates-0.1.5.min.js"></script>
13    <link rel="stylesheet" href="/Leaflet.markercluster-1.4.1/dist/MarkerCluster.Default.css"/>
14    <script type="text/javascript" src="/Leaflet.markercluster-1.4.1/dist/leaflet.markercluster.js"></script>
15    <script src="/Leaflet.Control.Opacity.Master/dist/L.Control.Opacity.js"></script>
16    <!--this invokes the slider plugin that will control the appearing and disappearing of points-->
17    <script src="/Leaflet.slider-master/dist/leaflet-slider.js"></script>
18    <!--this invokes the coordinates plugin, which tells you the coordinates on hovering mouse-->
19    <script rel="stylesheet" href="/Leaflet-timerimension/dist/leaflet-timerimension/master/dist/leaflet-timerimension.js"></script>
20    <script type="text/javascript" src="https://cdn.rawgit.com/nuzasaz/isc0801-j-s-period/master/js-period001.js"></script>
21    <script type="text/javascript" src="https://cdn.rawgit.com/nuzasaz/isc0801-j-s-period/master/js-period002.js"></script>
22    <link rel="stylesheet" href="https://cdn.rawgit.com/socib/Leaflet-Timerimension/master/dist/leaflet-timerimension.css"/>
23
24    <script src="/italia1.json" type="text/javascript"></script>
25    <script src="/italia2.json" type="text/javascript"></script>
26    <script src="/italia3.json" type="text/javascript"></script>
27    <script src="/italia4.json" type="text/javascript"></script>
28    <script src="/italia5.json" type="text/javascript"></script>
29
30    <script src="/vitimeTest2.geojson" type="text/javascript"></script>
31    <!--this invokes the JQuery js repository, which has not been used yet-->
32    <script src="http://code.jquery.com/ui/1.9.2/jquery-ui.js"></script>
33    <link href="http://code.jquery.com/ui/1.9.2/themes/base/jquery-ui.css" rel="stylesheet" type="text/css"/>
34    <script src="https://cdn.jsdelivr.net/npm/overlappingmarker@0.2.6/oms.mjs"></script>
35
36    <script src="https://cdnjs.cloudflare.com/ajax/libs/OverlappingMarkerSpiderfier-Leaflet/0.2.6/oms.mjs"></script>
37
38    <style>
39      body {
40        margin: 0;
41        padding: 0;
42        font-family: 'Helvetica Neue', Helvetica, Arial, Sans-serif;
43      }
44
45      /* set the size information of the id "map", the main map which appears in the webpage */
46      #map {
47        position: absolute;
48        top: 0;
49        bottom: 0;
50        width: 100%;
51      }
52
53      /* h1 is the tag set later on */
54      h1 {
55        font-size: 20px;
56        line-height: 30px;
57      }
58
59      h2 {
60        font-size: 14px;
61        line-height: 20px;
62        margin-bottom: 10px;
63      }
64
65      a {
66        text-decoration: none;
67        color: #2dc4b2;
68      }
69
70      .legend {
71        line-height: 30px;
72        color: #555;
73      }
74
75      .legend i {
76        width: 18px;
77        height: 18px;
78        float: left;
79        margin-right: 20px;
80        opacity: 0.7;
81      }
82
83      .info {
84        padding: 6px 15px;
85        font: 14px/16px Arial, Helvetica, sans-serif;
86        background: white;
87        line-height: 20px;
88        background: rgba(255,255,255,0.8);
89        box-shadow: 0 1px 5px rgba(0,0,0,0.2);
90        border-radius: 5px;
91      }
92
93      ul {
94        padding-left: 20px;
95      }
96
97
98
99
100
101
102
103
104
105
106
107

```

1191 lines

<http://bit.ly/2ps9omH>



Chronological Map



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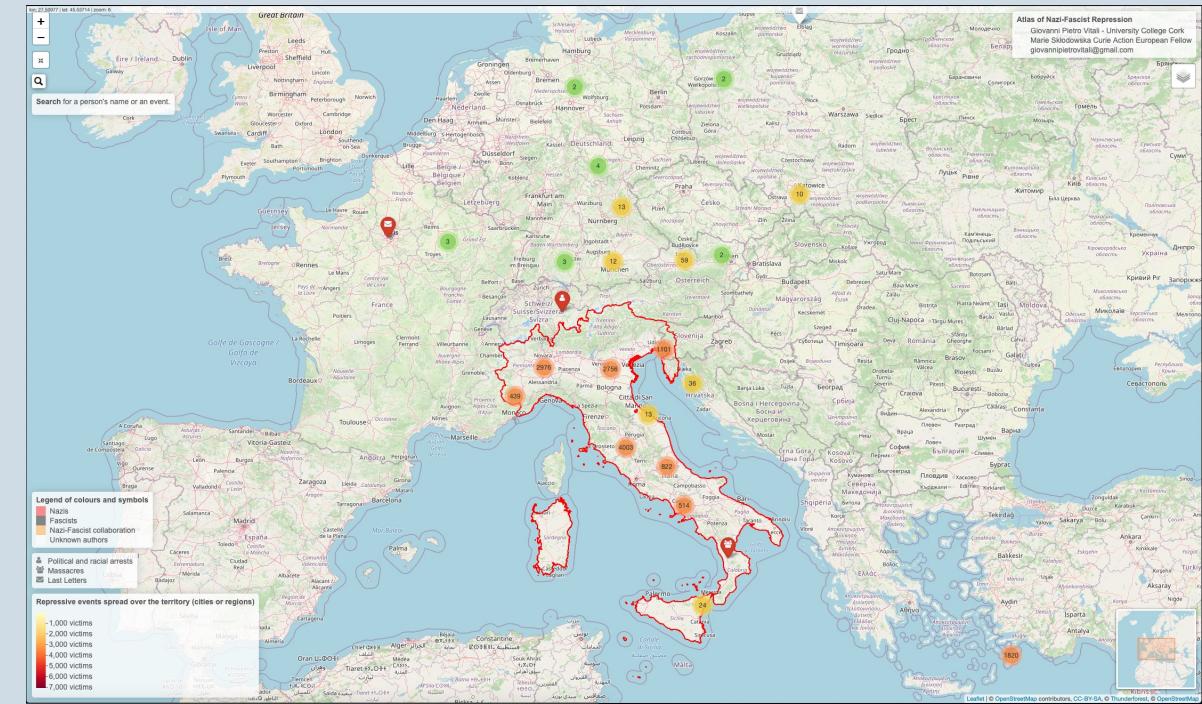
```

400 lines (337 sloc) | 15.5 KB

1 #install.packages("leaflet")
2 #install.packages("mpg")
3 #install.packages("grid")
4 #install.packages("ColorBrewer")
5 #install.packages("leaflet.extras")
6 #install.packages("leaflet.minicharts")
7 #install.packages("htmlwidgets")
8 #install.packages("raster")
9 #install.packages("mapview")
10 #install.packages("leafem")
11
12 ## Call the libraries
13 library(leaflet)
14 library(sp)
15 library(rgdal)
16 library(ColorBrewer)
17 library(leaflet.extras)
18 library(leaflet.minicharts)
19 library(htmlwidgets)
20 library(raster)
21 library(mapview)
22 library(leafem)
23
24 ## Read the shapefile for the concentration map: regions and cities
25 ## 1. Regions
26 regioni <- readOGR('shp/regioni/regioni.shp')
27
28 par(mar = c(5,5,0,0), cex = 10)
29 hist(regioni$vittime, breaks = 20, main = "")
30
31 pal_regioni <- colorNumeric(
32   palette = "YlOrRd",
33   domain = regioni$vittime)
34
35 ## 2. Cities
36 citta <- readOGR('shp/citta/citta.shp')
37
38 par(mar = c(5,5,0,0), cex = 10)
39 hist(citta$vittime, breaks = 20, main = "")
40
41 pal_citta <- colorNumeric(
42   palette = "YlOrRd",
43   domain = regioni$vittime)
44
45 ## Read the csv file for the repressive events and prepare the popup and icons
46 totale <- read.csv("csv/cronologica.csv")
47
48 content_popup <- paste0("<!--&gt;",
49   pasted("Event type:",),
50   pasted("&lt;div&gt;&lt;b&gt;", totale$tipos, "&lt;/b&gt;, from the database ", "&lt;b&gt;", totale$origine_dat,
51   pasted("&lt;/b&gt;"),
52   pasted("Name:"),),
53   pasted("&lt;b&gt;", totale$Nome, "&lt;/b&gt;"),,
54   pasted("&lt;br&gt;"),
55   pasted("Data:"),),
56   pasted("&lt;b&gt;", totale$data_intera, "&lt;/b&gt;"),
57   pasted("&lt;br&gt;"),
58   pasted("Place:"),),
59   pasted("&lt;br&gt;"),
60   pasted("Address:", totale$luogo, "&lt;/b&gt;"),
61   pasted("&lt;br&gt;"),
62   pasted("Number of victims:"),),
63   pasted("&lt;b&gt;", totale$vittime, "&lt;/b&gt;"),
64   pasted("&lt;br&gt;"),
65   pasted("Authors:"),),
66   pasted("&lt;b&gt;", totale$tipos, " ucciso/i dai, ", totale$autori_evento, "&lt;/b&gt;"),
67   pasted("&lt;br&gt;"),
68   pasted("Event summary:"),),
69   pasted("&lt;small&gt;Available total: ", totale$descrizione, "&lt;/small&gt;"),
70   pasted("&lt;/div&gt;"))
71
72 icons &lt;- makeAwesomeIcon(icon = ~icona, library='fa', markerColor = ~colori, iconColor = ~colori~icona)
73
74 html_legend &lt;-
75 "&lt;i class='fa fa-user' aria-hidden='true'&gt;/i&gt;Political and racial arrests&lt;br&gt;
76 &lt;i class='fa fa-users' aria-hidden='true'&gt;/i&gt;Massacres&lt;br/&gt;
77 &lt;i class='fa fa-envelope' aria-hidden='true'&gt;/i&gt;Last Letters"
78
79 ## Read the csv with the three dataset of the corpus
80 fascisti &lt;- read.csv("csv/01_fascisti.csv")
81 nazisti &lt;- read.csv("csv/02_nazisti.csv")
82 nazifascisti &lt;- read.csv("csv/03_nazifascisti.csv")
83
84 ## Read the shapefile of the historical borders of Italy during WWII
85 italia_inizio &lt;- readOGR('shp/italia_1/italia_1.shp')
86 italia_inizio &lt;- readOGR('shp/italia_2/italia_2.shp')
87 italia_inizio &lt;- readOGR('shp/italia_3/italia_3.shp')
88 italia_inizio &lt;- readOGR('shp/italia_4/italia_4.shp')
89 italia_inizio &lt;- readOGR('shp/italia_5/italia_5.shp')
90
91 ## Read the raster with the historical map.
92 r &lt;- raster("raster/nappa.tif")
93 palraster &lt;- colorNumeric(c("#000000", "#666666", "#FFFFFF"),
94   values(r),
95   na_color = "transparent")
96
97 ## Read the geojson datasets for the search tool
98 ## 1. Massacres
99 atlante &lt;- readr::read_file('geojson/atlante.geojson')
100 atlante_icon &lt;- makeAwesomeIcon(icon='paintbrush',
101   library='ion',
102   markerColor = 'red',
103   iconColor = 'black')
</pre>

```

400
lines



Thematic Map

| Nome | Data di modifica | Dimensioni | Tipo |
|------------------|----------------------|------------|-----------------|
| .RData | 5 luglio 2019 09:43 | 46,2 MB | Docum...extEdit |
| .Rhitory | 6 luglio 2019 12:43 | 20 KB | Docum...extEdit |
| ► .Rproj.user | 26 giugno 2019 13:04 | -- | Cartella |
| ► csv | ieri 20:31 | -- | Cartella |
| ► geojson | 4 luglio 2019 11:18 | -- | Cartella |
| index_atlas.html | 4 luglio 2019 20:19 | 83,5 MB | HTML...document |
| morte | 28 giugno 2019 16:44 | -- | Cartella |
| R&MAPS.Rproj | 6 luglio 2019 12:35 | 205 byte | R Project |
| raster | 3 luglio 2019 15:31 | -- | Cartella |
| Script.R | 4 luglio 2019 19:10 | 15 KB | Rez Source |
| shp | 3 luglio 2019 17:55 | -- | Cartella |

```

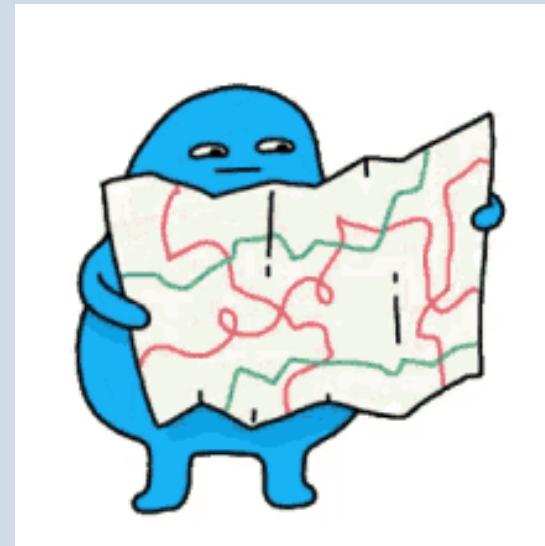
278 addGeoJSONv2(
279   lastletters,
280   labelProperty='NAME',
281   popupProperty=propstoHTMLTable(
282     table.attrs = list(class='table table-striped table-bordered'), drop.na = T),
283     labelOptions = labelOptions(textsize ='12px', direction = 'auto' ),
284     markerIcons = icon_lastletters,
285     markerOptions = markerOptions(riseOnHover = TRUE, opacity = 1),
286     clusterOptions = markerClusterOptions(), group = "Luoghi di scrittura delle ultime lettere (http://www.ultimelettere.it/)" )%>
287
288 addSearchFeatures(
289   |
290   targetGroups = c('Lista delle stragi e degli eccidi (http://www.straginazifasciste.it/)',
291     'Lista degli arresti politici e razziali (http://dati.cdec.it/)',
292     'Luoghi di scrittura delle ultime lettere (http://www.ultimelettere.it/)'),
293
294 options = searchFeaturesOptions(
295   propertyName='NAME', zoom=18, openPopup = TRUE, firstTipSubmit = TRUE,
296   autoCollapse = TRUE, hideMarkerOnCollapse = TRUE, position = "topleft" ))%>%
```

Thematic Map

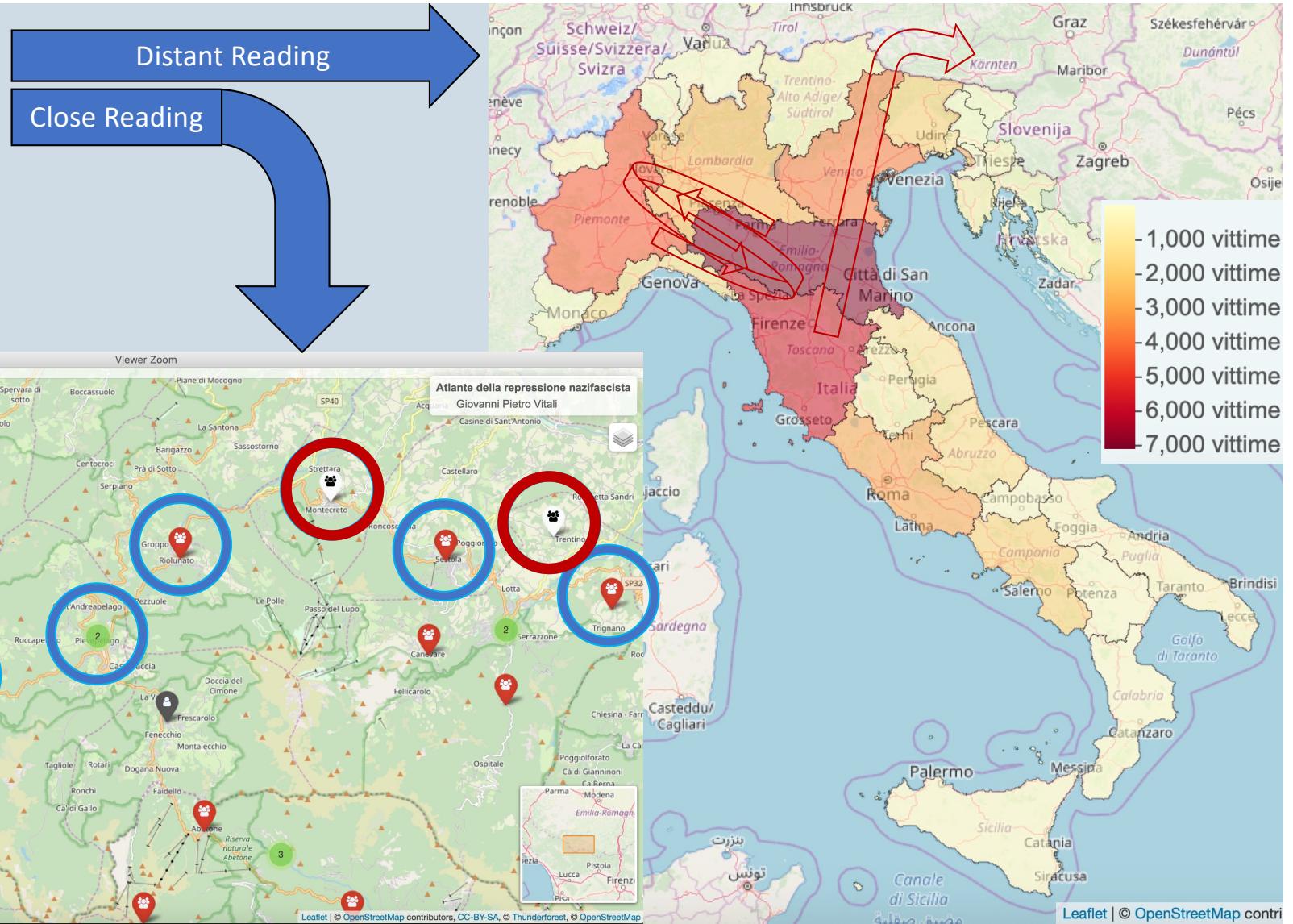


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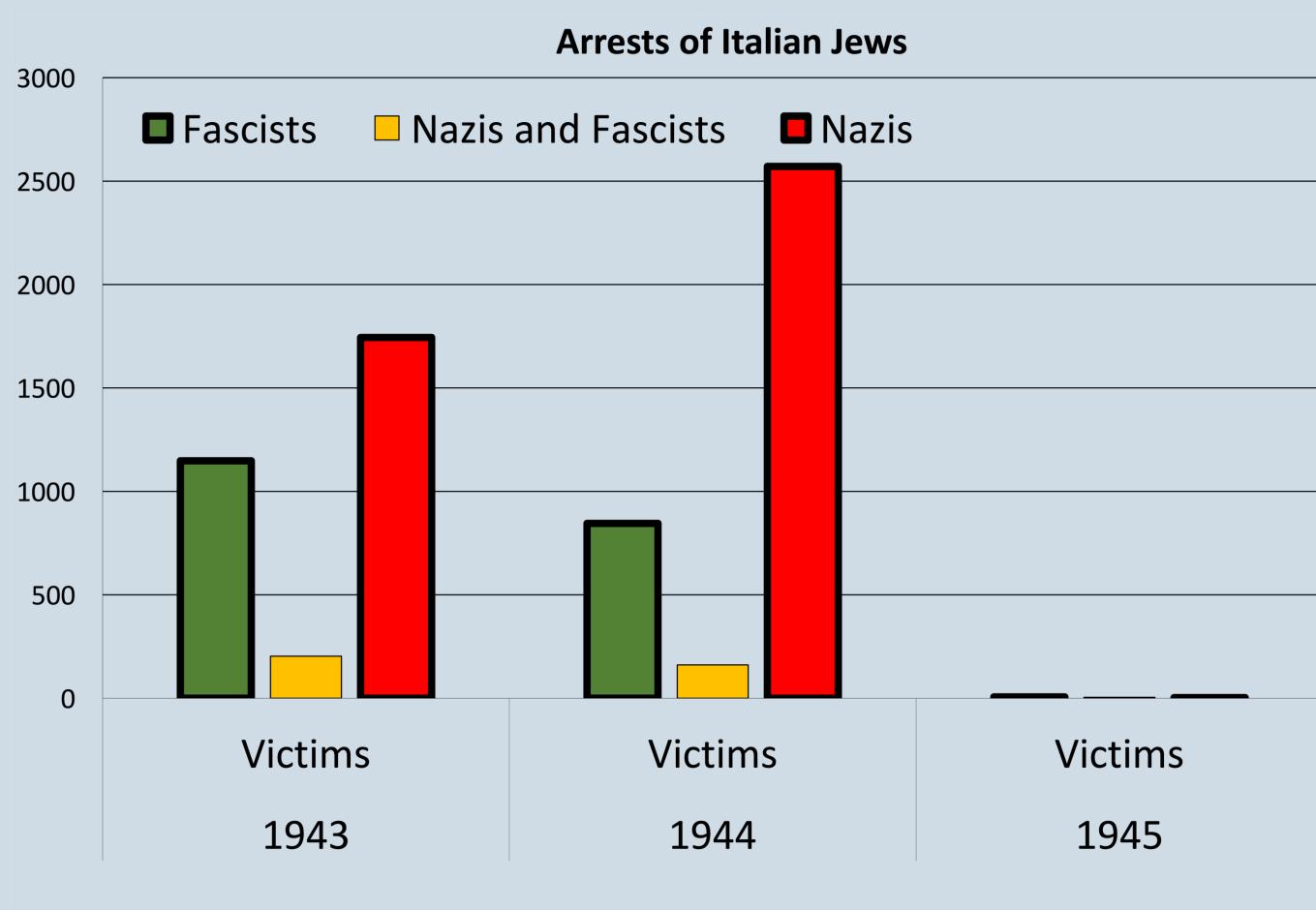
Mapping



Spatial Analysis



Second case study: to rethink the Holocaust.

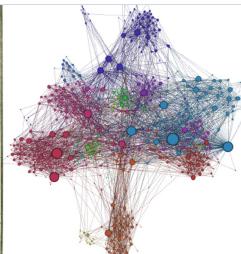
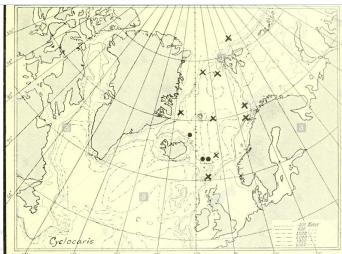


Spatial Analysis

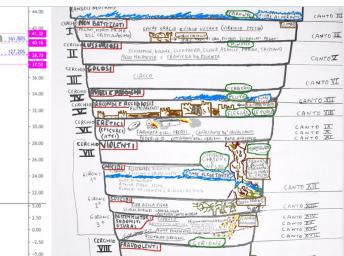
- Rethinking the role of Italian fascists in the arrests and deportations of Jews.
- Rewriting the history of the Shoah in Italy



```
# For details, see https://review.docs.microsoft.com/en-us/visualstudio/rvs/sql-server  
  
# Test code  
library(RODBC)  
channel <- odbcDriverConnect(dbConnection)  
InputDataSet <- sqlQuery(channel, iconv(paste(readLines(  
  'c:/proj/rproject1/rproject1/storedprocedure/query.sql'),  
  encoding = 'UTF-8', warn = FALSE), collapse = '\n'), from = 'UTF-8',  
  to = 'ASCII', sub = ''))  
odbcClose(channel)  
  
OutputDataSet <- InputDataSet
```



Algo



Showcase _end

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Université Paris-Saclay