Belfast_Peacelines

Belfast Peacelines

Geography students from Newcastle University undertook this project as a omponent of their field trip to Ireland, focusing on the exploration of political concepts and the differences between the "two Irelands".

Following interviews with local residents in Belfast, the group discerned seven distinct peacelines classified into the categories of "formal," "informal," and "invisible."

Using Google Maps, coordinates were obtained and compiled into a CSV file.

```
library(tidyverse)
```

```
-- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
v dplyr     1.1.2     v readr     2.1.4
v forcats   1.0.0     v stringr   1.5.0
v ggplot2   3.4.4     v tibble    3.2.1
v lubridate 1.9.2     v tidyr     1.3.0
v purrr     1.0.2
-- Conflicts ------------------------------------------ tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag()    masks stats::lag()
i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to becor
```

```
data <- read_csv("~/Dropbox/Mac/Documents/Newcastle University/fieldtrip/dataset_belfast.csv"
```

```
Rows: 7 Columns: 5
-- Column specification --------------------------------------------------------
Delimiter: ","
chr (2): name, type
dbl (3): id, long, lat
```

```
i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

Subsequently, the peacelines were graphically represented on the map below:

```
library(leaflet)
library(sf)
```

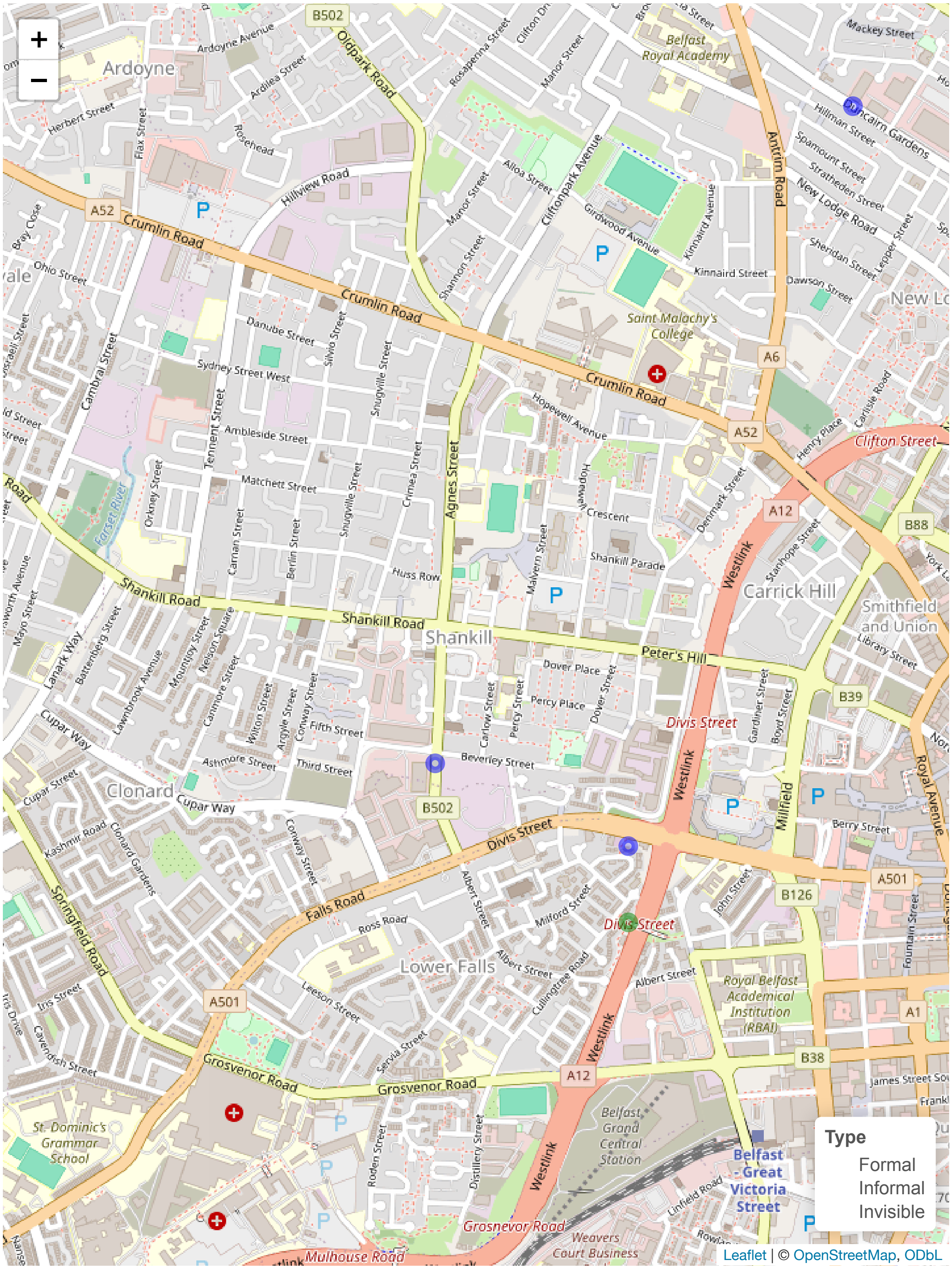
```
Linking to GEOS 3.10.2, GDAL 3.4.2, PROJ 8.2.1; sf_use_s2() is TRUE
```

```
sf_data <- st_as_sf(data, coords = c("long", "lat"), crs = 4326)  # Note the order of coordi

# Plot map with points

map_points <- leaflet(sf_data) %>%
  addTiles() %>%
  addCircleMarkers(
    radius = 5,
    color = ~case_when(
      type == "formal" ~ "blue",
      type == "informal" ~ "green",
      type == "invisible" ~ "red"  # Assigning red color to "invisible"
    ),
    label = ~name,
    popup = ~paste("<br> type: ", type)
  ) %>%
  addLegend("bottomright", colors = c("blue", "green", "red"),
            labels = c("Formal", "Informal", "Invisible"), title = "Type")

# Display the map
map_points
```


+
−
Ardoyne
Ardoyne Avenue
Ardilea Street
Oldpark Road
B502
Rosapenna Street
Clifton Drive
Manor Street
Belfast Royal Academy
Mackey Street
Herbert Street
Flax Street
Rosehead
Hillview Road
Alloa Street
Cliftonpark Avenue
Hillman Street
Duncairn Gardens
Antrim Road
Spamount Street
Stratheden Street
New Lodge Road
A52
Crumlin Road
Bray Close
Ohio Street
Manor Street
Shannon Street
Girdwood Avenue
Kinnaird Avenue
Kinnaird Street
Sheridan Street
Dawson Street
Lepper Street
New Lodge
Danube Street
Silvio Street
Saint Malachy's College
A6
Cambrai Street
Sydney Street West
Snugville Street
Hopewell Avenue
Carlisle Road
Henry Place
Clifton Street
Tennent Street
Ambleside Street
Agnes Street
Matchett Street
Orkney Street
Farset River
Crimea Street
Hopewell Crescent
Denmark Street
A12
B88
Carnan Street
Berlin Street
Malvern Street
Shankill Parade
Stanhope Street
Westlink
Huss Row
York Lane
Carrick Hill
Shankill Road
Smithfield and Union
Shankill
Library Street
Peter's Hill
Lanark Way
Battenberg Street
Lawnbrook Avenue
Mountjoy Street
Nelson Square
Dover Place
Dover Street
Gardiner Street
Boyd Street
B39
Cupar Way
Canmore Street
Wilton Street
Argyle Street
Conway Street
Percy Street
Percy Place
Divis Street
Fifth Street
Carlow Street
Ashmore Street
Third Street
Beverley Street
Royal Avenue
Millfield
Clonard
Cupar Street
Cupar Way
B502
Berry Street
Divis Street
A501
Kashmir Road
Clonard Gardens
Conway Street
Albert Street
John Street
B126
Springfield Road
Falls Road
Ross Road
Milford Street
Divis Street
Fountain Street
Lower Falls
Albert Street
Cullingtree Road
Royal Belfast Academical Institution (RBAI)
Iris Street
A501
Leeson Street
A1
Cavendish Street
Servia Street
B38
Grosvenor Road
A12
James Street South
St. Dominic's Grammar School
Belfast Grand Central Station
Roden Street
Distillery Street
Belfast - Great Victoria Street
Linfield Road
Grosvenor Road
Weavers Court Business
Mulhouse Road
Type
Formal
Informal
Invisible
Leaflet | © OpenStreetMap, ODbL

We used the packages “leafleft” and “special features” to plot the points. Each point corresponds to a peaceline location, with colours indicating their respective types: “formal,” “informal,” and “invisible.”