



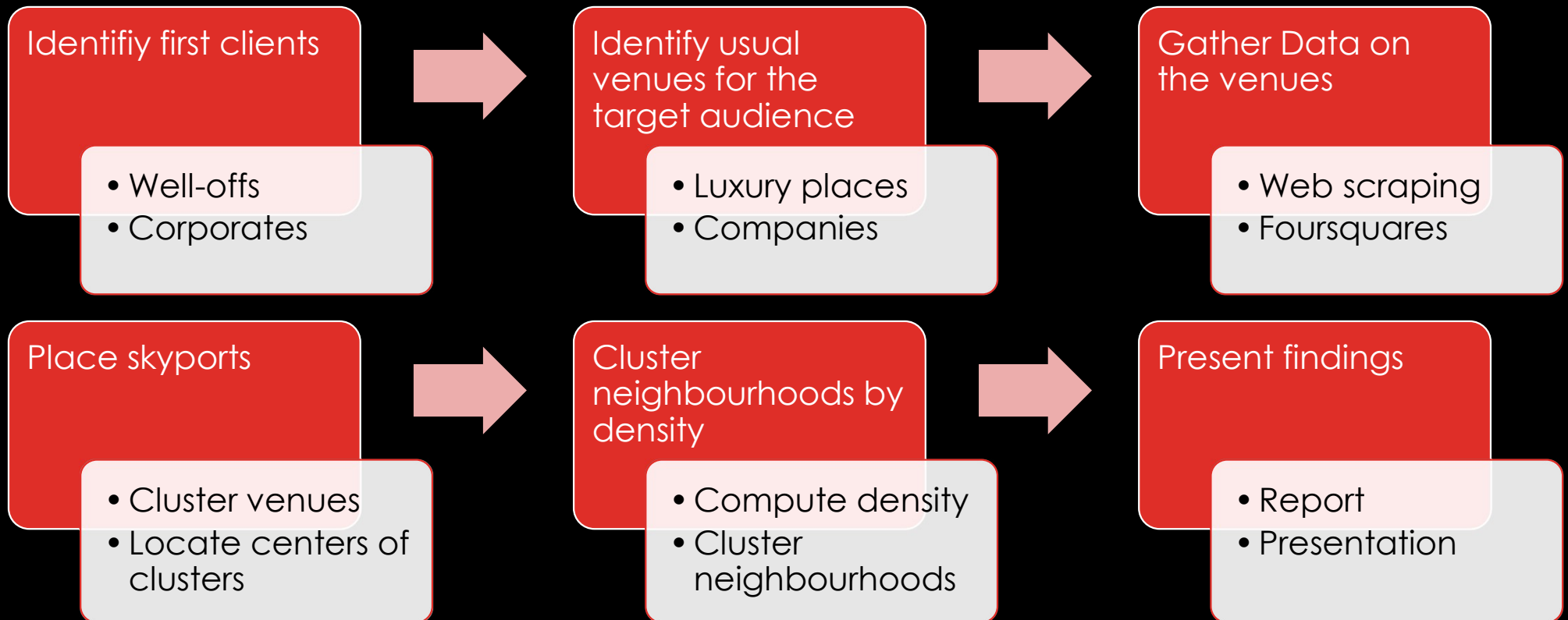
# LOCATION OF SKYPORTS IN PARIS

# PROBLEM



- VTOL aircraft could enable Air taxi services
- This service is capital intensive and tickets will be expensive at first
- To ensure economic viability, skyports should be located so that the service provide profits from the beginning
- **Where should the first 10 skyports in a city be located?** An example will be done on Paris

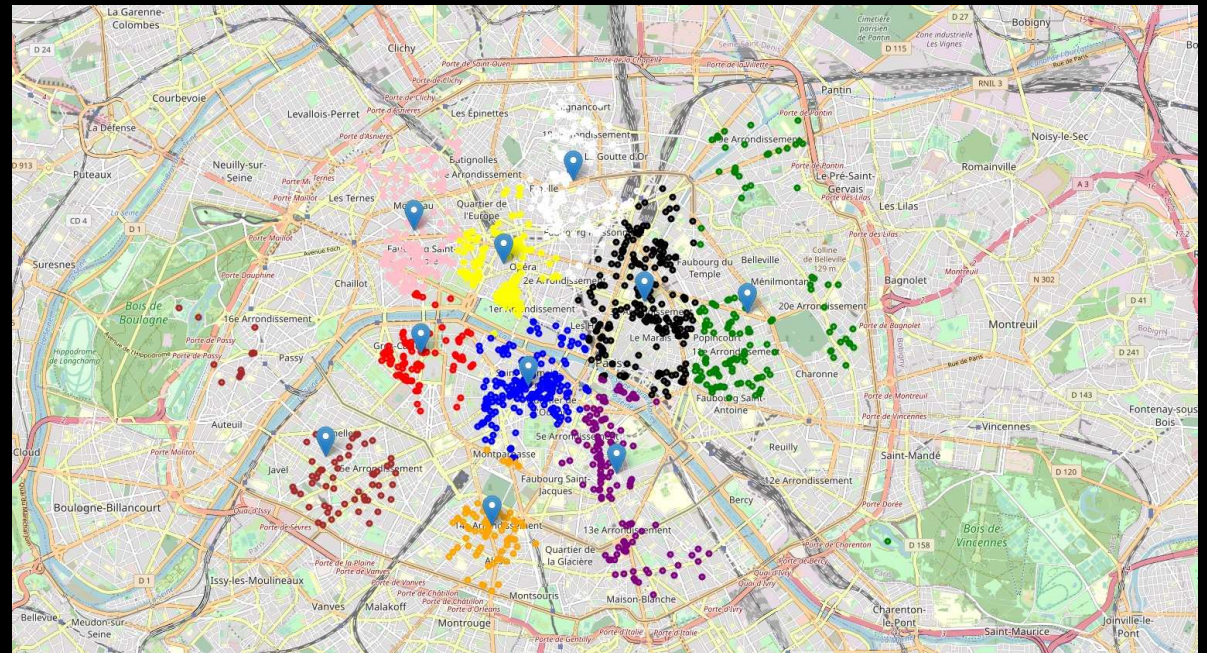
# METHODOLOGY



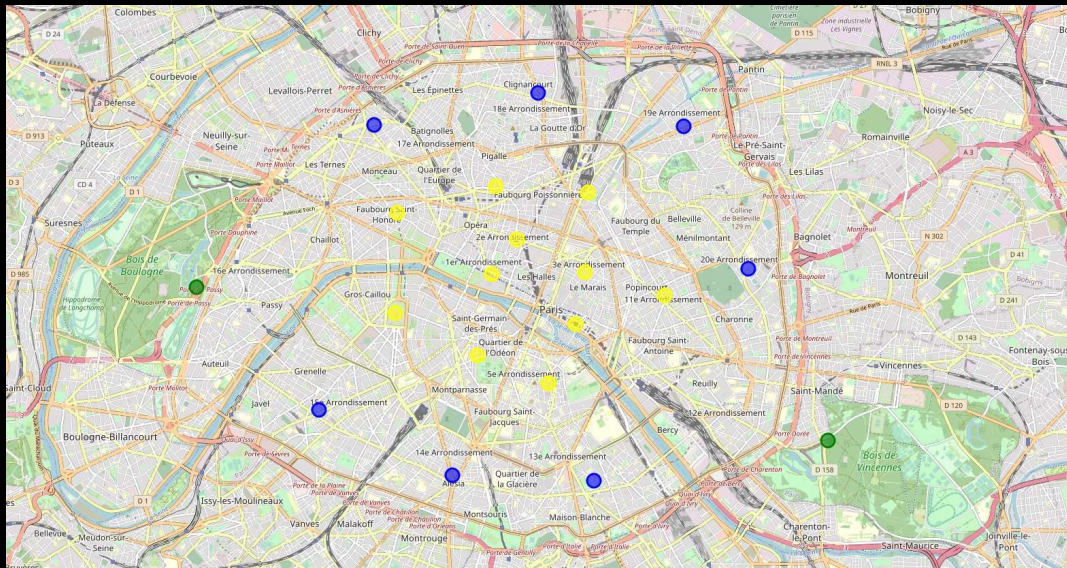


# RESULTS

- Luxury venues are present on most parts of the city
- Markers are placed at the center of the 10 clusters to serve a maximum of venues
- Center neighborhoods are much more densely covered in luxury venues than outer



# RESULTS



- Venues are attached to their neighbourhoods and density of each kind of venues is computed for each neighbourhoods
- All the center neighbourhoods are in the same clusters, the densely covered neighbourhoods
- This confirms the results of the previous map





# CONCLUSION

- Luxury venues have been gathered in order to see where they are located in Paris as they are supposed to be venues of choice for people able to afford the price of the tickets at the beginning of the service.
- Venues have been clustered geographically and centers of clusters are ideal locations to place a skyport.
- To investigate further density of each type of venues has been computed for each neighbourhood. These neighbourhoods have been clustered using machine learning.
- Center neighbourhoods feature more luxury venues and should be of primary concern when placing skyports



# FURTHER WORK

- The assumption that luxury venues has to be challenged with the clients
- The quality of the venues gathered (i.e. only luxury venues) has to be checked in more details and can certainly be improved.
- Density of 12th and 16th neighbourhood should be re-computed with an area excluding wood portions
- The methodology can be tested on other cities and other businesses