**Finding the safest places to ride a bike in Los Angeles**

**Team Members:**

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In our term project we want to analyse a crime dataset in combination with a bike ride dataset with purpose of finding the safest places to ride a bike in Los Angeles.

**Data:**

We're going to use datasets and map provided by official website of open data of Los Angeles(<https://data.lacity.org/>).

[“Arrest Data from 2010 to Present”](https://data.lacity.org/A-Safe-City/Arrest-Data-from-2010-to-Present/yru6-6re4) dataset contains 1.31M records and each record consists of 17 features. The most interesting features are Arrest date, Time, Area Name, Location, Charge Group Code, Arrest Type Code.

[“Metro Bike Share Trip Data”](https://data.lacity.org/A-Livable-and-Sustainable-City/Metro-Bike-Share-Trip-Data/sii9-rjps) dataset contains 132k records and each record consists of 16 features. The most interesting features are Starting Station Latitude, Starting Station Longitude, Ending Station Latitude, Ending Station Longitude.

[“Bikelanes”](https://data.lacity.org/A-Livable-and-Sustainable-City/Bikelanes/uzvv-a9xz) map is a set of geospatial data which contains information about bike lanes. It is possible to export this data in different formats(KML, KMZ, shapefile, json etc).

**Goal:**

The main goal is to visualize (e.g. map) safe and rather unsafe places to go for a bike ride during different times of day. Moreover the possible threads a biker might face are presented.

**Team members responsibilities:**

* Prepare project [PAWEL]
* Exploratory data analysis of given datasets [MARTIN, PAWEL]
* Putting together crimes, bike and map together for new outcomes [PAWEL, MARTIN]
* Visualisation of the results [PAWEL]
* Report and Presentation [MARTIN]

**Prefered time slot for presentation:**

We would prefer the first time slot for our presentation. (Dec. 23, 2019)