

## A description of the data and how it will be used to solve the problem

**Data source:** UCLA geoportal

**Data:** Los Angeles Building and Safety Permit 2013-2018

**Data source Website URL:**

<https://apps.gis.ucla.edu/geodata/dataset/los-angeles-building-and-safety-permit-2013-2018>

**Data type:** CSV file

**Data url:**

<https://data.lacity.org/A-Prosperous-City/Building-and-Safety-Permit-Information/yv23-pmwf>

### Current Fields of data:

Assessor Book, Assessor Page, Assessor Parcel, Tract, Block, Lot, Reference # (Old Permit #), PCIS Permit #, Status, Status Date, Permit Type, Permit Sub-Type, Permit Category, Project Number, Event Code, Initiating Office, Issue Date, Address Start, Address Fraction Start, Address End, Address Fraction End, Street Direction, Street Name, Street Suffix, Suffix Direction, Unit Range Start, Unit Range End, Zip Code, Work Description, Valuation, Floor Area-L.A. Zoning Code Definition, # of Residential Dwelling Units, # of Stories, Contractor's Business Name, Contractor Address, Contractor City, Contractor State, License Type, License #, Principal First Name, Principal Middle Name, Principal Last Name, License Expiration Date, Applicant First Name, Applicant Last Name, Applicant Business Name, Applicant Address 1, Applicant Address 2, Applicant Address 3, Zone, Occupancy, Floor Area-L.A. Building Code Definition, Census Tract, Council District, Latitude/Longitude, Applicant Relationship

**Current Number of Records:** 786,022

**Note:** the number may change after normalization

### The important independent fields that will be used:

Latitude/Longitude,

Permit Type (type of the job done: for example, plumbing, electrical),

Address (including: zip code, and other details),

Work Description (for example: painting, sprinkle, adding lights in the yard),

Valuation (cost),

Occupancy,

**Note:** Because of the records availability in each field, the fields may be different after normalization.

After determining the areas of interest, **Foursquare.com** data will be used to find constructor and remodeling company and businesses around the areas of interest for providing services.