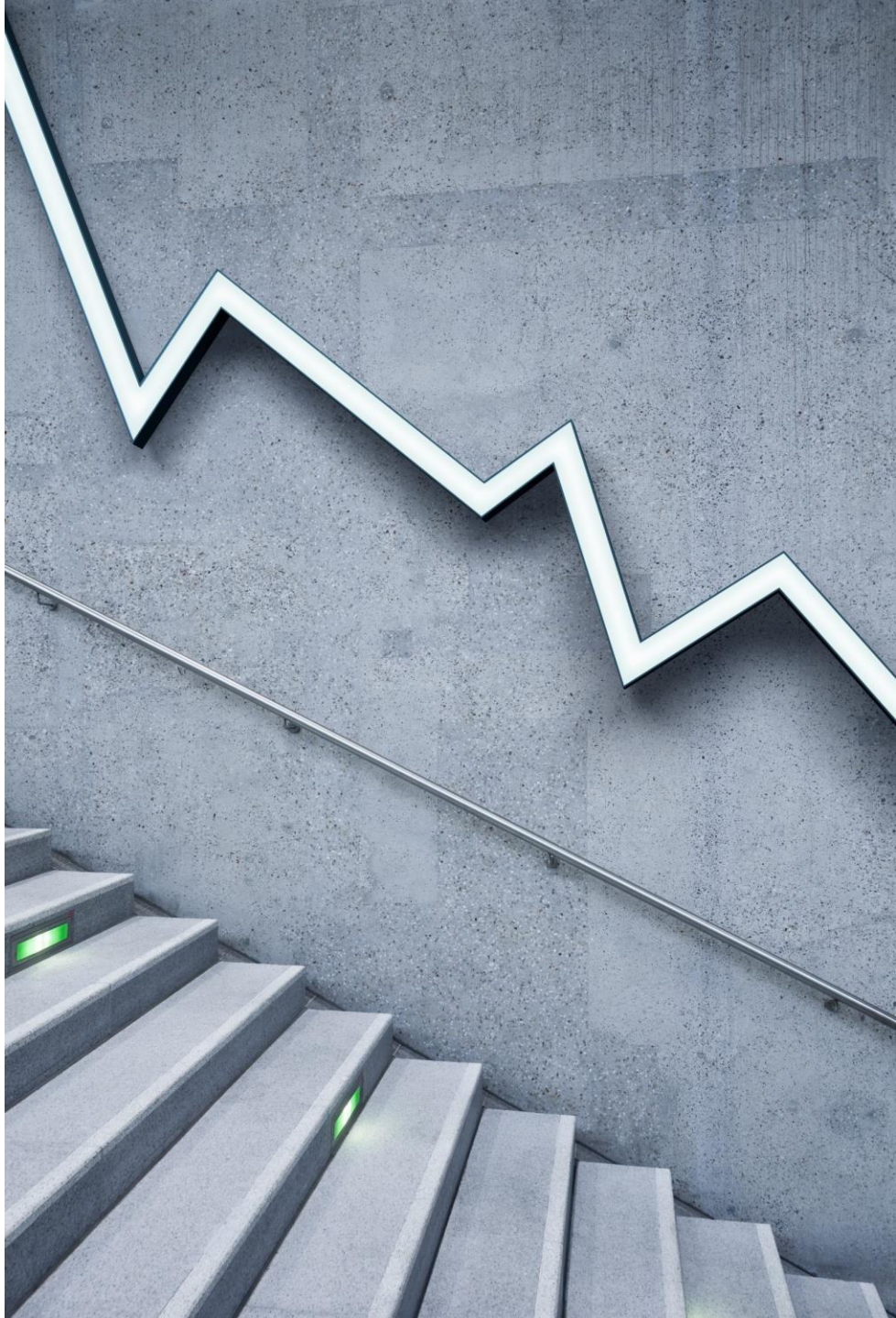
Earthquake Magnitude, Damage and Impact

FINAL PROJECT PROPOSAL..



Source:
https://www.kaggle.com/datasets/arashnic/earthquake-magnitude-damage-and-impact?select=csv_individual_demographics.csv

Context

In April of 2015, the 7.8 magnitude Gorkha earthquake occurred near the Gorkha district of Gandaki Pradesh, Nepal. Almost 9,000 lives were lost, millions of people were instantly made homeless, and $10 billion in damages––about half of Nepal's nominal GDP––were incurred. In the years since, the Nepalese government has worked intensely to help rebuild the affected districts' infrastructures. Throughout this process, the National Planning Commission, along with Kathmandu Living Labs and the Central Bureau of Statistics, has generated.

CONTENT

Data overview

The dataset mainly consists of information on the buildings' structure and their legal ownership. Each row in the dataset represents a specific building in the region that was hit by Gorkha earthquake.

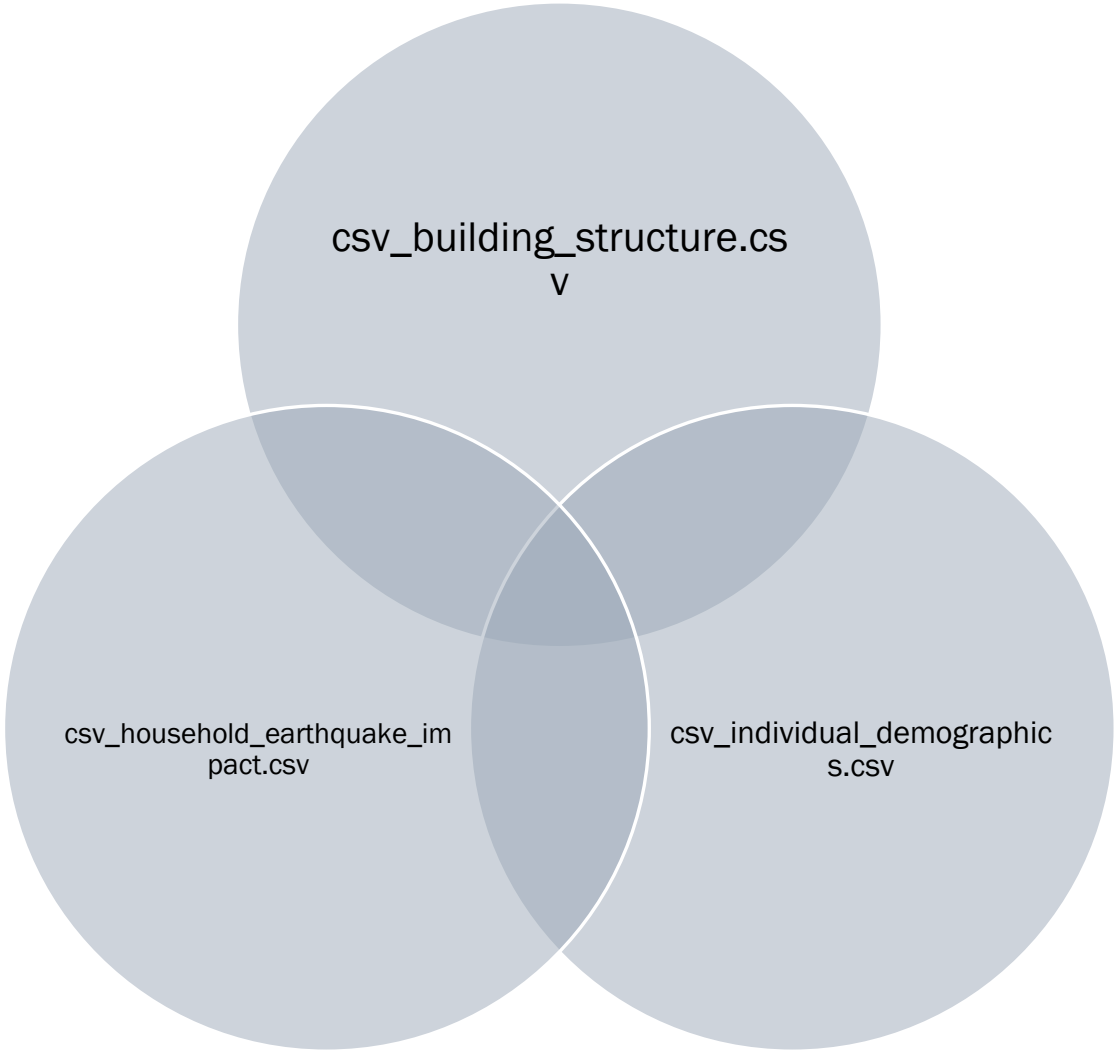
There are 39 columns in this dataset, where the building_id column is a unique and random identifier. The remaining 38 features are described in the section below. Categorical variables have been obfuscated random lowercase ascii characters. The appearance of the same character in distinct columns does not imply the same original value

Inspiration

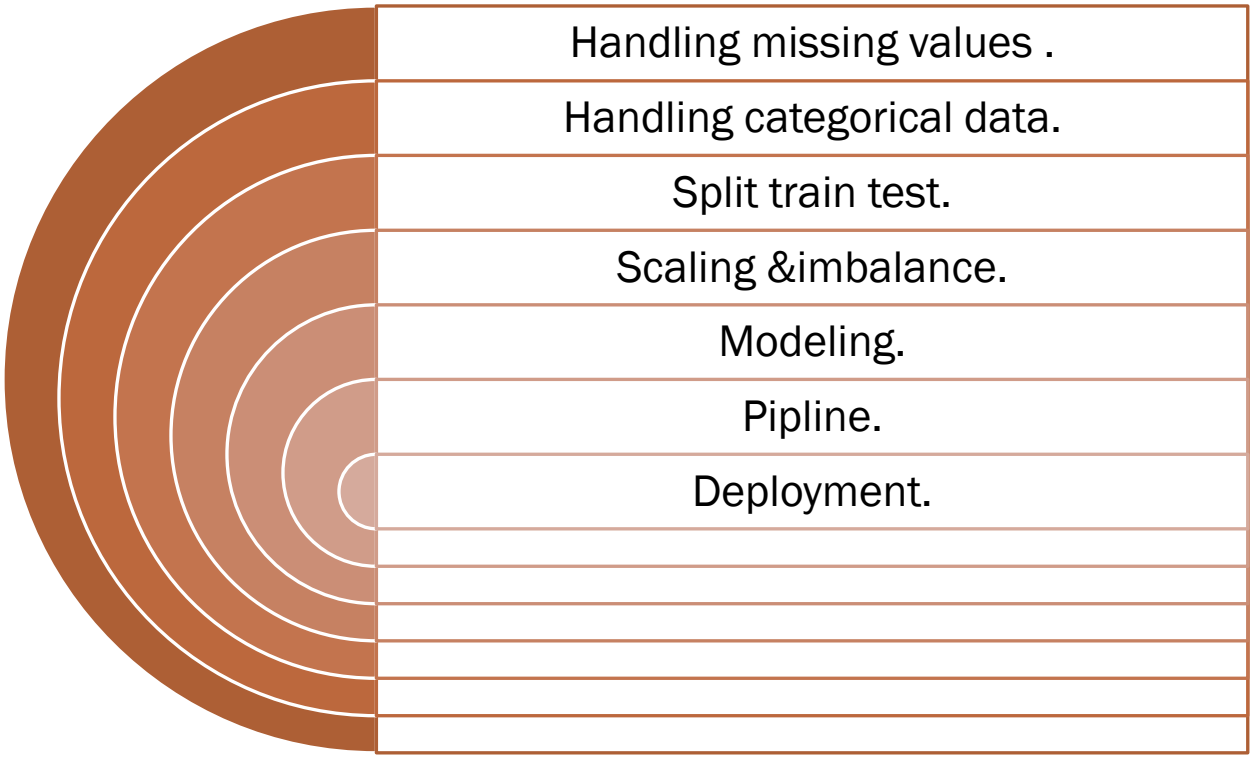
Formalize several predictive modeling problems
e.g. predicting damage grade

Machine learing supervised problem.

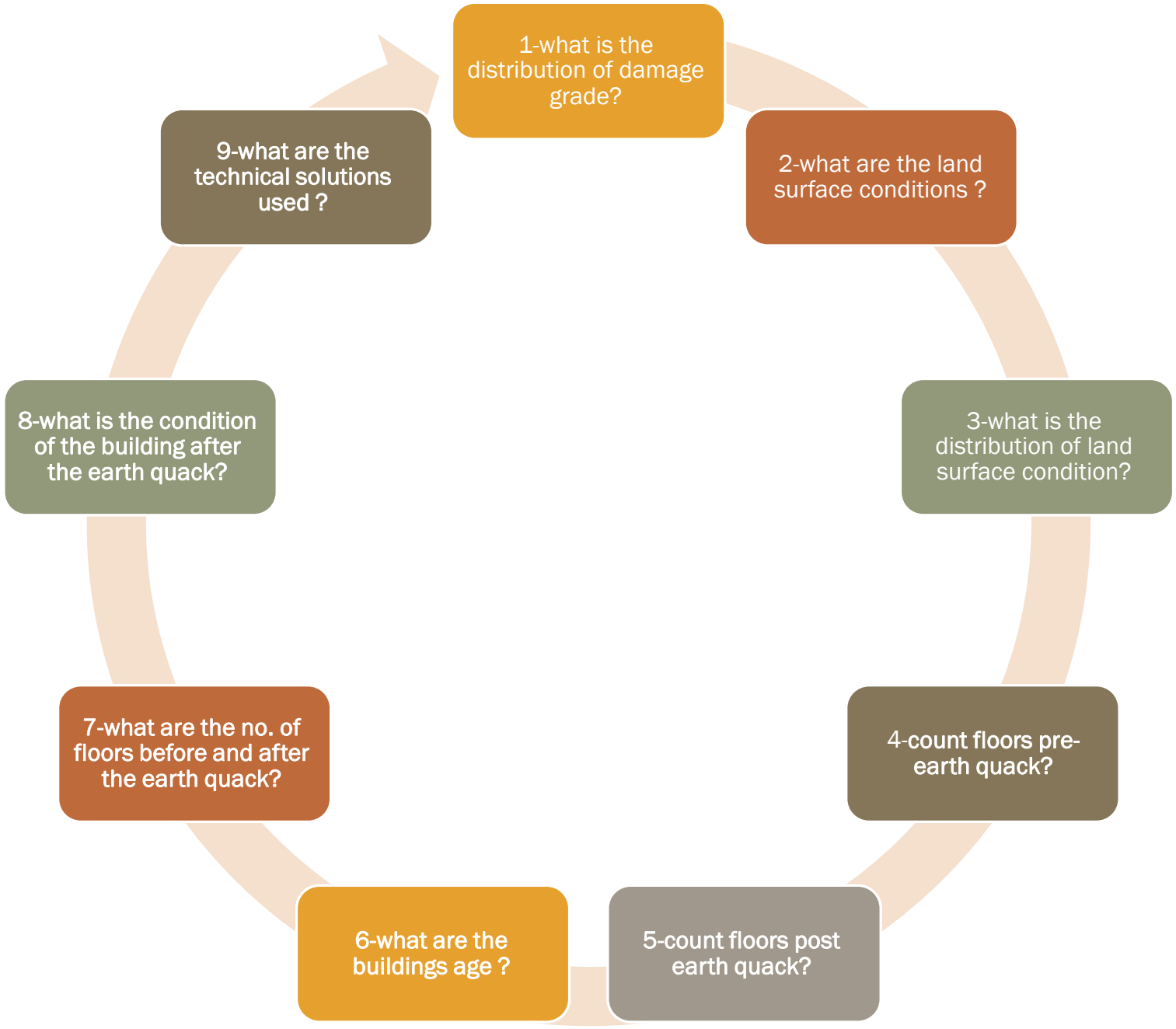
Lots of data analysis and EDA e.g. impacts on buildings and households



Join &merge 3 data sets.



Steps of project.



Business questions??