

# Feature Description

- `geo_level_1_id`, `geo_level_2_id`, `geo_level_3_id` (type: int): geographic region in which building exists, from largest (level 1) to most specific sub-region (level 3). Possible values: level 1: 0-30, level 2: 0-1427, level 3: 0-12567.
- `count_floors_pre_eq` (type: int): number of floors in the building before the earthquake.
- `age` (type: int): age of the building in years.
- `area_percentage` (type: int): normalized area of the building footprint.
- `height_percentage` (type: int): normalized height of the building footprint.
- `land_surface_condition` (type: categorical): surface condition of the land where the building was built. Possible values: n, o, t.
- `foundation_type` (type: categorical): type of foundation used while building. Possible values: h, i, r, u, w.
- `roof_type` (type: categorical): type of roof used while building. Possible values: n, q, x.
- `ground_floor_type` (type: categorical): type of the ground floor. Possible values: f, m, v, x, z.
- `other_floor_type` (type: categorical): type of constructions used in higher than the ground floors (except of roof). Possible values: j, q, s, x.
- `position` (type: categorical): position of the building. Possible values: j, o, s, t.
- `plan_configuration` (type: categorical): building plan configuration. Possible values: a, c, d, f, m, n, o, q, s, u.
- `has_superstructure_adobe_mud` (type: binary): flag variable that indicates if the superstructure was made of Adobe/Mud.
- `has_superstructure_mud_mortar_stone` (type: binary): flag variable that indicates if the superstructure was made of Mud Mortar - Stone.

- `has_superstructure_stone_flag` (type: binary): flag variable that indicates if the superstructure was made of Stone.
- `has_superstructure_cement_mortar_stone` (type: binary): flag variable that indicates if the superstructure was made of Cement Mortar - Stone.
- `has_superstructure_mud_mortar_brick` (type: binary): flag variable that indicates if the superstructure was made of Mud Mortar - Brick.
- `has_superstructure_cement_mortar_brick` (type: binary): flag variable that indicates if the superstructure was made of Cement Mortar - Brick.
- `has_superstructure_timber` (type: binary): flag variable that indicates if the superstructure was made of Timber.
- `has_superstructure_bamboo` (type: binary): flag variable that indicates if the superstructure was made of Bamboo.
- `has_superstructure_rc_non_engineered` (type: binary): flag variable that indicates if the superstructure was made of non-engineered reinforced concrete.
- `has_superstructure_rc_engineered` (type: binary): flag variable that indicates if the superstructure was made of engineered reinforced concrete.
- `has_superstructure_other` (type: binary): flag variable that indicates if the superstructure was made of any other material.
- `legal_ownership_status` (type: categorical): legal ownership status of the land where building was built. Possible values: a, r, v, w.
- `count_families` (type: int): number of families that live in the building.
- `has_secondary_use` (type: binary): flag variable that indicates if the building was used for any secondary purpose.
- `has_secondary_use_agriculture` (type: binary): flag variable that indicates if the building was used for agricultural purposes.
- `has_secondary_use_hotel` (type: binary): flag variable that indicates if the building was used as a hotel.

- `has_secondary_use_rental` (type: binary): flag variable that indicates if the building was used for rental purposes.
- `has_secondary_use_institution` (type: binary): flag variable that indicates if the building was used as a location of any institution.
- `has_secondary_use_school` (type: binary): flag variable that indicates if the building was used as a school.
- `has_secondary_use_industry` (type: binary): flag variable that indicates if the building was used for industrial purposes.
- `has_secondary_use_health_post` (type: binary): flag variable that indicates if the building was used as a health post.
- `has_secondary_use_gov_office` (type: binary): flag variable that indicates if the building was used as a government office.
- `has_secondary_use_police` (type: binary): flag variable that indicates if the building was used as a police station.
- `has_secondary_use_other` (type: binary): flag variable that indicates if the building was secondarily used for other purposes.