	Column name
1	level_0
2	additional_heat_generators
3	additional_water_heaters
4	altitude
5	area_code
6	balcony_depth
7	bearing_wall_material
8	building_category
9	building_class
10	building_height_ft
11	building_period
12	building_total_area_sqft
13	building_type
14	building_use_type_code
15	building_use_type_description
16	building_year
17	clay_risk_level
18	consumption_measurement_date
19	has_air_conditioning
20	has_balcony
21	heat_generators
22	heating_energy_source
23	heating_type
24	is_crossing_building
25	living_area_sqft
26	lowe_floor_thermal_conductivity
27	lower_floor_adjacency_type
28	lower_floor_insulation_type
29	lower_floor_material
30	main_heat_generators
31	main_heating_type
32	main_water_heaters

33	main_water_heating_type
34	nb_commercial_units
35	nb_dwellings
36	nb_gas_meters_commercial
37	nb_gas_meters_housing
38	nb_gas_meters_total
39	nb_housing_units
40	nb_meters
41	nb_parking_spaces
42	nb_power_meters_commercial
43	nb_power_meters_housing
44	nb_power_meters_total
45	nb_units_total
46	outer_wall_materials
47	outer_wall_thermal_conductivity
48	outer_wall_thickness
49	percentage_glazed_surfaced
50	post_code
51	radon_risk_level
52	renewable_energy_sources
53	roof_material
54	solar_heating
55	solar_water_heating
56	thermal_inertia
57	upper_floor_adjacency_type
58	upper_floor_insulation_type
59	upper_floor_material
60	upper_floor_thermal_conductivity
61	ventilation_type
62	wall_insulation_type
63	water_heaters
64	water_heating_energy_source
65	water_heating_type
66	window_filling_type
67	window_frame_material
68	window_glazing_type
69	window_heat_retention_factor
70	window_orientation
71	window_thermal_conductivity
	energy_consumption_per_annum

Hi!Paris - Hackathon 3

Data dictionary

Definition
building unique_id
description of the secondary heating system, if any
description of the secondary water heating system, if any
altitude of ground floor of the building
regional code
depth of the balconies, if any
material of the main walls
type of building (single house, condominium, other)
type of building (one unit vs many)
building height (in feet)
construction period
building area in square feet
main use of the building
use code of the building (integer)
usage of the building
construction year
exposure to clay-related risks (if the soil swells or cracks due to changes in humidity)
date when the building consumption was measured
flags buildings with air conditioning (boolean)
presence of balcony (bool)
description of the heat generators
type of energy used for heating
individual vs collective heating
indicates weather the building borders several facades (boolean)
living_area (square feet)
thermal conductivity of the lower floor
type of building foundations
type of insulation of the lower floor
materials of the lower floor
description of the main heat generators
description of the primary heating system`
description of the main water heating system

description of the main water heating type
number of commercial units (shops, offices) in the building
number of dwellings in the building
number of gas meters related to commercial units
number of gas meters related to dwellings
total number of gas meters
number of housing units
total number of meters (gas and power)
number of parking spaces
number of power meters related to commercial units
number of power meters related to dwellings
total number of power meters
total number of units (housing & commercial)
materials of the outer walls
thermal conductivity of outer walls
thickness of outer walls
ratio windows/walls on the outer walls
post code
exposure to radon (slightly radioactive gas naturally present in some regions)
list of the available renewable energies in the building, if any
material of the roof
indicates if the building uses solar energy for heating (bool)
indicates if the building uses solar energy for water heating (bool)
thermal inertia of the building
describes wheter the upper floor is adjacent to another building or not
insulation of the upper floor
material of the upper floor
thermal conductivity of the upper floor
type of ventilation
insulation of the walls
list of the water heaters
energy used to produce warm water
type of warm water production (individual vs collective)
gas used to fill double glazing, if any
material of the window frames
glazing type
solar factor of the windows
direction of the windows (north,south,east…)
thermal conductivity of the windows
annual energy consuption (kWh/m2)