Raw Variables

'id', 'listing_url', 'scrape_id', 'last_scraped', 'name', 'description', 'neighborhood_overview', 'picture url', 'host id', 'host url', 'host name', 'host since', 'host location', 'host about', 'host response time', 'host response rate', 'host acceptance rate', 'host is superhost', 'host thumbnail url', 'host picture url', 'host neighbourhood', 'host listings count', 'host_total_listings_count', 'host_verifications', 'host_has_profile_pic', 'host_identity_verified', 'neighbourhood', 'neighbourhood_cleansed', 'neighbourhood_group_cleansed', 'latitude', 'longitude', 'property_type', 'room_type', 'accommodates', 'bathrooms', 'bathrooms_text', 'bedrooms', 'beds', 'amenities', 'price', 'minimum_nights', 'maximum_nights', 'minimum_minimum_nights', 'maximum minimum nights', 'minimum maximum nights', 'maximum maximum nights', 'minimum nights avg ntm', 'maximum_nights_avg_ntm', 'calendar_updated', 'has_availability', 'availability_30', 'availability_60', availability_90', 'availability_365', 'calendar_last_scraped', 'number_of_reviews', number_of_reviews_ltm', 'number_of_reviews_l30d', 'first_review', 'last_review', 'review_scores_rating', review_scores_accuracy', 'review_scores_cleanliness', 'review_scores_checkin', 'review_scores_communication', 'review_scores_location', 'review_scores_value', 'license', instant bookable', 'calculated host listings count', 'calculated host listings count entire homes', calculated_host_listings_count_private_rooms', 'calculated_host_listings_count_shared_rooms', 'reviews_per_month']

Extract

Text Variables

['host_name_sounds_trad_irish', 'host_name_sounds_arab', 'host_name_sounds_africa',
'host_name_sounds_asia', 'host_name_sounds_eastern_europe', 'host_name_sounds_latin_america',
'host_name_sounds_west', 'host_name_sounds_rare', 'english_writing_host', 'compound_descr',
'negativity_descr', 'neutrality_descr', 'positivity_descr', 'compound_neigh_over',
'negativity_neigh_over', 'neutrality_neigh_over', 'positivity_neigh_over', 'compound_host_ab',
'negativity_host_ab', 'neutrality_host_ab', 'positivity_host_ab', 'prop_of_eng_reviews',
'mean_compound', 'mean_negativity', 'mean_neutrality', 'mean_positivity', 'mean_review_length',
'prop_of_neg_comp', 'most_neg_compound', 'most_pos_compound']

Image Variables

['count', 'brightness', 'contrast', 'no_img_bathroom', 'no_img_bedroom', 'no_img_dining', 'no_img_hallway', 'no_img_kitchen', 'no_img_living', 'no_img_others']

Spatial Variables

['in_city', 'bars', 'cafes', 'fast_foods', 'restaurants', 'library', 'university',
'bus_train_tram_station', 'bicycle_rentals', 'parking', 'taxi', 'casinos', 'cinemas', 'nightclubs',
'social_amenities', 'sex_amenities', 'theatres_artscentre', 'malls', 'kiosks', 'supermarkets',
'nearest_sight', '2nd_nearest_sight', '3rd_nearest_sight', 'mean_dist_sight', 'nearest_travel_poss'
'mean_dist_travel']

['id', 'name', 'last_scraped', 'description', 'neighborhood_overview', 'host_id', 'host_url',
'host_name', 'host_since', 'host_location', 'host_about', 'host_is_superhost', 'host_listings_count',
'host_has_profile_picture', 'host_identity_verified', 'neighbourhood_cleansed', 'latitude', 'longitude'
'property_type', 'room_type', 'accommodates', 'bathrooms_text', 'bedrooms', 'beds', 'amenities',
'minimum_nights', 'maximum_nights', 'has_availability', 'availability_30', 'availability_60',
'availability_90', 'availability_365', 'number_of_reviews', 'number_of_reviews_ltm',
'number_of_reviews_l30d', 'first_review', 'last_review', 'review_scores_rating',
'review_scores_accuracy', 'review_scores_cleanliness', 'review_scores_checkin\t',
'review_scores_communication', 'review_scores_location', 'review_scores_value', 'instant_bookable',
'calculated_host_listings_count', 'reviews_per_month', 'host_has_profile_pic', 'minimum_minimum_nights'
'maximum_minimum_nights', 'minimum_maximum_nights', 'maximum_maximum_nights', 'minimum_nights_avg_ntm',
'maximum_nights_avg_ntm', 'calculated_host_listings_count_shared_rooms', 'price']
'calculated_host_listings_count_private_rooms', 'calculated_host_listings_count_shared_rooms', 'price']

Formating/ Summarizing

One-Hot, Dates, Text Lengths...

['host_identity_verified', 'instant_bookable', 'bath_number_1', 'bath_number_2', 'bedrooms_1', 'bedrooms_2', 'host_location_country_Ireland', 'neighbourhood_cleansed_Dublin_City', 'property_type_Entire_rental_unit', 'property_type_Entire_residential_home', 'property_type_Others', 'room_type_Entire_home/apt', 'room_type_Private_room', 'bath_kind_Normal', 'bath_kind_Private', 'bath_kind_Shared', 'host_since', 'host_listings_count', 'latitude', 'longitude', 'accommodates', 'beds', 'minimum_nights', 'maximum_nights', 'availability_30', 'availability_60', 'availability_90', 'availability_365', 'number_of_reviews', 'number_of_reviews_l30d', 'first_review', 'last_review', 'review_scores_rating', 'review_scores_accuracy', 'review_scores_cleanliness', 'review_scores_communication', 'review_scores_location', 'review_scores_value', 'calculated_host_listings_count', 'review_per_month', 'minimum_minimum_nights', 'maximum_minimum_nights', 'minimum_maximum_nights', 'maximum_maximum_nights', 'minimum_nights_, 'maximum_minimum_nights_, 'calculated_host_listings_count_private_rooms', 'calculated_host_listings_count_shared_rooms', 'calculated_host_listings_count_shared_rooms', 'name_length', 'description_length', 'neighborhood_overview_length', 'host_about_length']

Amenities

['Bathtub', 'Bed linens', 'Breakfast', 'Cable TV', 'Carbon monoxide alarm', 'Cooking basics', 'Dishes and silverware', 'Dishwasher', 'Elevator', 'Extra pillows and blankets', 'Fire extinguisher', 'First aid kit', 'Hair dryer', 'Hangers', 'Host greets you', 'Hot water', 'Indoor fireplace', 'Iron', 'Lock on bedroom door', 'Long term stays allowed', 'Luggage dropoff allowed', 'Microwave', 'Private entrance', 'Shower gel', 'Smoke alarm', 'Oven_available', 'Stoves_available', 'Refridgerator_available', 'Garden_backyard_available', 'Free_parking', 'Paid_parking', 'Workspace', 'Shampoo_Conditioner_available', 'Coffee_machine_available', 'Dryer_available', 'Washer_available', 'Patio_balcony_available', 'Kitchen_available', 'Safe_available', 'TV_available', 'Baby_friendly']

Processed Variables

Filter

['host_identity_verified', 'instant_bookable', 'Bathtub', 'Bed linens', 'Breakfast', 'Cable TV', 'Carbon monoxide alarm', 'Cooking basics', 'Dishes and silverware', 'Dishwasher', 'Fire extinguisher', 'First aid kit', 'Hair dryer', 'Hangers', 'Host greets you', 'Hot water', 'Indoor fireplace', 'Iron', 'Lock on bedroom door', 'Long term stays allowed', 'Microwave', 'Private entrance', 'Shower gel', 'Smoke alarm', 'Oven_available', 'Store_available', 'Garden_backyard_available', 'Paid_parking', 'Workspace', 'Shampoo_Conditioner_available', 'Offee_machine_available', 'Dryer_available', 'Washer_available', 'Paid_parking', 'host_name_sounds_west', 'host_name_sounds_rare', 'in_city', 'sex_amenities', 'bath_number_1', 'bath_number_2', 'bedrooms_2', 'host_location_country_Ireland', 'heighbourhood_cleansed_Dublin City', 'property_type_Entire rental unit', 'property_type_Entire residential home', 'property_type_Operty_type_Entire residential home', 'property_type_Operty_type_Entire home/apt', 'room_type_Private room', 'bath_kind_Normal', 'bath_kind_Private', 'bath_kind_Shared', 'host_since', 'host_listings_count', 'latitude', 'longitude', 'accommodates', 'beds', 'minimum_nights', 'availability_30', 'availability_30', 'availability_30', 'availability_30', 'availability_30', 'availability_30', 'number_of_reviews_\text{ltm'}, 'number_of_reviews_ladd', 'first_review', 'last_review', 'review_scores_rating', 'review_scores_cleanliness', 'review_scores_cleanliness', 'review_scores_value', 'calculated_host_listings_count', 'review_scores_mountication', 'review_scores_value', 'calculated_host_listings_count, 'review_scores_cleanliness', 'review_scores_value', 'calculated_host_listings_count, 'review_scores_communication', 'review_scores_value', 'calculated_host_listings_count, 'review_scores_communication', 'review_scores_value', 'calculated_host_listings_count, 'review_scores_communication', 'review_scores_value', 'calculated_host_listings_count, 'review_scores_communication', 'review_scores_value', 'review_scores_count_value', '

Decorrelate

Final Variables

'host_identity_verified', 'instant_bookable', 'Breakfast', 'Carbon_monoxide_alarm', 'Elevator', 'Fire_extinguisher', 'Private_entrance', 'Workspace' 'Shampoo_Conditioner_available', 'Dryer_available', 'TV_available', 'kiosks', 'host_since', 'latitude', 'longitude', 'number_of_reviews', 'last_review', 'review_scores_communication', 'name_length', 'prop_of_eng_reviews', 'mean_review_length', 'negativity_descr', 'negativity_neigh_over', 'negativity_host_ab', 'parking', 'brightness', 'contrast', 'city_life_pca1', 'city_life_pca2', 'city_life_pca3', 'city_life_pca4', 'city_life_pca5' 'travel_touristic_pca', 'kitchen_pca1', 'kitchen_pca2', 'kitchen_pca3', 'kitchen_pca4', 'accommodation_size_pca1', 'accommodation_size_pca2' 'accommodation_size_pca3', 'accommodation_size_pca4' 'accommodation_size_pca5', 'accommodation_size_pca6' 'host_listings_pca1', 'host_listings_pca2', 'host_listings_pca3', 'min_nights_pca', 'availability_pca', 'review_total_pca1', review_total_pca2', 'review_total_pca3', review_total_pca4', 'max_nights_pca', review_amount_pca1', 'review_amount_pca2', 'host_ab_pca1', 'host_ab_pca2', 'neigh_over_pca1', 'neigh_over_pca2', 'descr_pca1', 'descr_pca2', img_no_pca1', 'img_no_pca2', 'img_no_pca3', img_no_pca4', 'img_no_pca5']