group\_full\_text = ['name', 'summary', 'space','description', 'experiences\_offered', 'neighborhood\_overview', 'notes', 'transit', 'access','interaction', 'house\_rules', 'host\_about', 'host\_location', 'host\_neighbourhood', 'street', 'neighbourhood\_cleansed', 'city']

group\_dropping = ['listing\_url', 'scrape\_id', 'picture\_url', 'host\_url', 'host\_thumbnail\_url', 'host\_picture\_url', 'last\_scraped', 'host\_name', 'calendar\_last\_scraped', 'calendar\_updated', 'host\_verifications', 'amenities','zipcode','market', 'country', 'requires\_license', 'is\_business\_travel\_ready', 'require\_guest\_profile\_picture', 'require\_guest\_phone\_verification', 'is\_location\_exact', 'host\_has\_profile\_pic', 'host\_identity\_verified']

group\_categorical = ['host\_response\_time','neighbourhood','neighbourhood\_group\_cleansed ','property\_type', 'room\_type', 'bed\_type', 'cancellation\_policy']

group\_date = ['host\_since', 'first\_review', 'last\_review']

group\_bool = ['host\_is\_superhost', 'instant\_bookable','has\_availability']

group\_money = ['extra\_people', 'cleaning\_fee', 'security\_deposit', 'price']

['id' 'scrape\_id' 'host\_id' 'host\_response\_rate' 'host\_listings\_count'

'host\_total\_listings\_count' 'latitude' 'longitude' 'accommodates'

'bathrooms' 'bedrooms' 'beds' 'guests\_included' 'minimum\_nights'

'maximum\_nights' 'minimum\_minimum\_nights' 'maximum\_minimum\_nights'

'minimum\_maximum\_nights' 'maximum\_maximum\_nights'

'minimum\_nights\_avg\_ntm' 'maximum\_nights\_avg\_ntm' 'availability\_30'

'availability\_60' 'availability\_90' 'availability\_365'

'number\_of\_reviews' 'number\_of\_reviews\_ltm' 'review\_scores\_rating'

'review\_scores\_accuracy' 'review\_scores\_cleanliness'

'review\_scores\_checkin' 'review\_scores\_communication'

'review\_scores\_location' 'review\_scores\_value'

'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']

Host\_features = ['host\_is\_superhost' ,'review\_scores\_communication', 'host\_response\_rate', 'review\_scores\_accuracy', 'review\_scores\_cleanliness','review\_scores\_checkin' , 'review\_scores\_communication','review\_scores\_location', 'review\_scores\_value', 'number\_of\_reviews', 'reviews\_per\_month']

Listings\_feautues = ['number\_of\_reviews', 'bathrooms', 'bedrooms', 'beds', 'guests\_included', 'neighbourhood','neighbourhood\_group\_cleansed ','property\_type', 'room\_type', 'review\_scores\_location', 'review\_scores\_cleanliness', ‘review\_scores\_rating’]

'area\_Ang Mo Kio'

'area\_Bedok' 'area\_Bishan' 'area\_Bukit Batok' 'area\_Bukit Merah'

'area\_Bukit Panjang' 'area\_Bukit Timah' 'area\_Central Water Catchment'

'area\_Choa Chu Kang' 'area\_Clementi' 'area\_Downtown Core' 'area\_Geylang'

'area\_Hougang' 'area\_Jurong East' 'area\_Jurong West' 'area\_Kallang'

'area\_Mandai' 'area\_Marine Parade' 'area\_Museum' 'area\_Newton'

'area\_Novena' 'area\_Orchard' 'area\_Outram' 'area\_Pasir Ris'

'area\_Paya Lebar' 'area\_Punggol' 'area\_Queenstown' 'area\_River Valley'

'area\_Rochor' 'area\_Sembawang' 'area\_Sengkang' 'area\_Serangoon'

'area\_Singapore River' 'area\_Southern Islands' 'area\_Sungei Kadut'

'area\_Tampines' 'area\_Tanglin' 'area\_Toa Payoh' 'area\_Tuas'

'area\_Western Water Catchment' 'area\_Woodlands' 'area\_Yishun']