Question:

Will photographs in Renthop.com determine a increase or decrease in interest for a every new listing posted?

Problems we might face:

- · Size of the file
- Corrupt photos (90), Similar Photos

	3466	6814336.0	6814336_df5b9f6282769a625025954a7eadff8c.jpg	640.0	373.0
	32230	7248188.0	6814336_df5b9f6282769a625025954a7eadff8c.jpg	640.0	373.0
	32231	7248188.0	6814336_e0816623a59b1c64657e8eead09bdb02.jpg	640.0	427.0
	3467	6814336.0	6814336_e0816623a59b1c64657e8eead09bdb02.jpg	640.0	427.0
	32232	7248188.0	6814336_e76edd169b8581b047352649185c2b78.jpg	640.0	480.0

(4752), No photos (265).

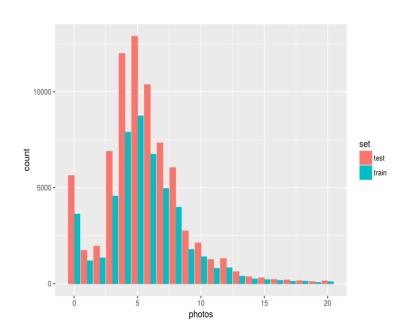
 Features extracted from single listing may not be uniformly distributed.

Solutions:

 Compressed Images 100*100 size.

100*100 thumbnail takes about 4k size
Total size = total photos * size of each photo

- 2.7 GB Memory Space
- Used NA values as 0, duplicates were left untouched.



·Images in Test and Train data were uniformly distributed.

Features Extraction

Labels from images

photos.renthop.com/2/7211212_1ed4542ec	indoors	family	room	contemporary	furniture	house	trading floor	door	apartment	interior design	empty	inside	windov
photos.renthop.com/2/7150865_be3306c5d	indoors	window	empty	room	no person	family	interior design	house	furniture	contemporary	wall	wood	home
photos.renthop.com/2/6887163_de85c4273	indoors	room	house	family	furniture	trading floor	door	empty	apartment	inside	contemporary	interior design	ceiling
photos.renthop.com/2/6888711_6e660cee4f	indoors	room	contemporary	family	furniture	house	apartment	window	empty	inside	interior design	trading floor	ceiling
photos.renthop.com/2/6934781_1fa4b41a92	bathroom	contemporary	indoors	washcloset	room	bathtub	no person	family	clean	inside	empty	luxury	interior
photos.renthop.com/2/6894514_9abb85920	city	road	architecture	building	street	travel	modern	downtown	traffic	urban	car	transportation system	busine
photos.renthop.com/2/6930771_7e3622b6a	furniture	room	indoors	sofa	contemporary	window	seat	interior design	apartment	rug	house	trading floor	chair
photos.renthop.com/2/6867392_b18283f6bc	room	indoors	table	inside	family	furniture	contemporary	modern	stainless steel	house	stove	chair	luxury
photos.renthop.com/2/6898799_3759be4c8	room	furniture	sofa	indoors	house	contemporary	interior design	apartment	seat	lamp	family	inside	trading
photos.renthop.com/2/6814332_e19a8552bf	furniture	table	room	chair	window	indoors	seat	contemporary	interior design	apartment	trading floor	dining room	house
photos.renthop.com/2/6869199_06b2601f05	bathroom	room	contemporary	indoors	furniture	faucet	family	interior design	luxury	bathtub	no person	inside	showe
photos.renthop.com/2/7102986_ca6af538c2	indoors	ceiling	inside	dug-out pool	lobby	airport	subway system	public	train	trading floor	swimming pool	modern	escalat
photos.renthop.com/2/6895442_34d617a5f3	architecture	city	building	modern	daylight	office	sky	urban	no person	business	travel	outdoors	constr
photos.renthop.com/2/6846213_832587546	chair	seat	no person	luxury	furniture	architecture	travel	garden	bench	outdoors	street	house	empty
photos.renthop.com/2/7089402_66038eaa98	indoors	grinder	room	no person	industry	production	business	energy	stainless steel	equipment	tube	distillery	steel
photos.renthop.com/2/6889043_a3e1c00433	dug-out pool	hotel	leisure	recreation	no person	playground	water	house	resort	color	travel	vacation	family
photos.renthop.com/2/6913348_829f19ac3c	indoors	interior design	furniture	contemporary	room	no person	home	chair	window	seat	sofa	family	table
photos.renthop.com/2/6894111_571fa57d00	indoors	contemporary	furniture	room	interior design	family	comfort	sofa	apartment	parquet	wood	luxury	house
	no person	architecture	outdoors	house	travel	horizontal plane	city	family	apartment	street	luxury	modern	home
photos.renthop.com/2/6848536_9a3e1f8778	indoors	no person	contemporary	family	house	outdoors	bathroom	room	modern	window	clean	architecture	luxury
photos.renthop.com/2/6858062_5cfb9d9002	indoors	window	no person	interior design	contemporary	furniture	home	house	room	door	family	glass items	archite

· Image width and Height and levels

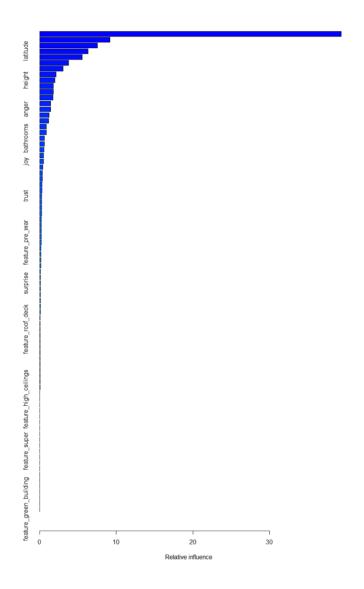
listing_id *	photo_name =	width =	height *	layers	sharpness
6811957	6811957_33d08c8dc440c89bccc8d9889c5485a6.jpg	640	426	3	85.55963
6811957	6811957_3dad56e8bf3477b2900ca39d57df041e.jpg	640	426	3	175.55901
6811957	6811957_7d3ab8175d23fee64c0651b1bc16f2cc.jpg	426	640	3	85.44322
6811957	6811957_83a4e2e75ea15a5a1d2cc9de3407b1b9.jpg	640	426	3	62.21313
6811957	6811957_acbdbbe6ff435b9d4f520db6da1ada9a.jpg	640	426	3	132.29719
6811958	6811958_1fe0076c8b481e0af2223afab02503da.jpg	640	425	3	365.98526
6811958	6811958_23ceae42d2c88ffc5a057db1deb346c1.jpg	640	426	3	663.17997
6811958	6811958_bb863a4184a1e085f0c55e0172767abd.jpg	344	544	3	6215.06184
6811958	6811958_c131c57b97afd739161579cdb41c9884.jpg	640	425	3	468.23858

BlurDetection

Results:

■ Plot Zoom
— □ ×

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rel.inf
                     price 3.939148e+01
                 bedrooms 9.158772e+00
                 longitude 7.536486e+00
                 latitude 6.309691e+00
  feature_hardwood_floors 5.571126e+00
    num_description_words 3.770432e+00
                        X 3.073653e+00
            log_sharpness 2.121494e+00
                  height 1.989015e+00
               num_photos 1.807549e+00
                    width 1.805829e+00
           feature_laundry 1.733271e+00
               created_day 1.448742e+00
                    anger 1.434664e+00
        feature dishwasher 1.212838e+00
             num features 1.194198e+00
           feature_simplex 8.720697e-01
           feature_no_fee 8.617346e-01
                bathrooms 6.165504e-01
feature_short_term_allowed 5.957912e-01
                 positive 5.473917e-01
      feature_reduced_fee 5.314367e-01
                      joy 5.240661e-01
        feature_renovated 4.052338e-01
             anticipation 3.680791e-01
     feature outdoor space 3.405449e-01
           feature subway 3.189307e-01
                 negative 2.991290e-01
                    trust 2.572872e-01
       feature_marble_bath 2.511361e-01
   feature_fitness_center 2.444526e-01
           feature_doorman 2.351659e-01
     feature_dogs_allowed 2.171151e-01
                     fear 2.009633e-01
            feature light 1.940518e-01
        feature_microwave 1.917841e-01
          feature_pre_war 1.896412e-01
  feature_granite_kitchen 1.670518e-01
        feature_furnished 1.593403e-01
          feature lowrise 1.484763e-01
        feature concierge 1.458430e-01
     feature_cats_allowed 1.279256e-01
                  sadness 1.245154e-01
                  surprise 1.195606e-01
          feature_elevator 1.135892e-01
            feature sauna 1.096426e-01
          feature_no_pets 1.053953e-01
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Inference:

