

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_e0816623a59b1c64657e8ead09bdb02.jpg	640.0	427.0
3467	6814336.0	6814336_e0816623a59b1c64657e8ead09bdb02.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

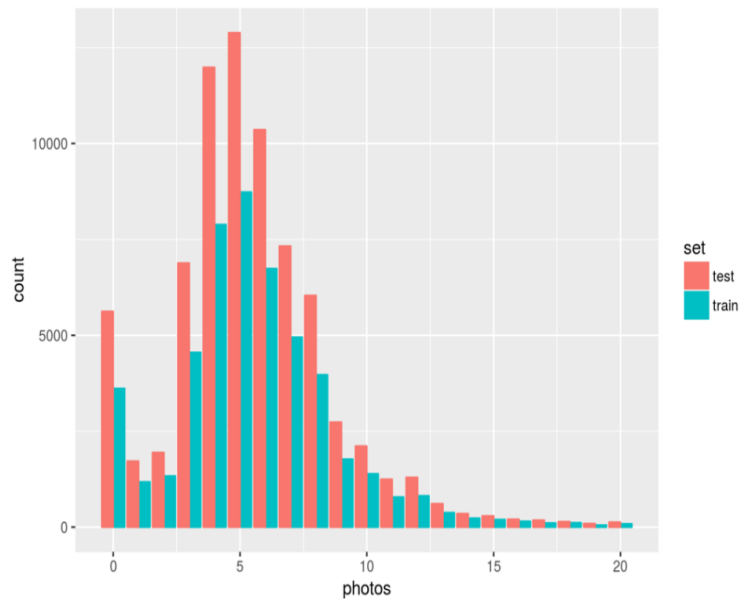
100*100 size.

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

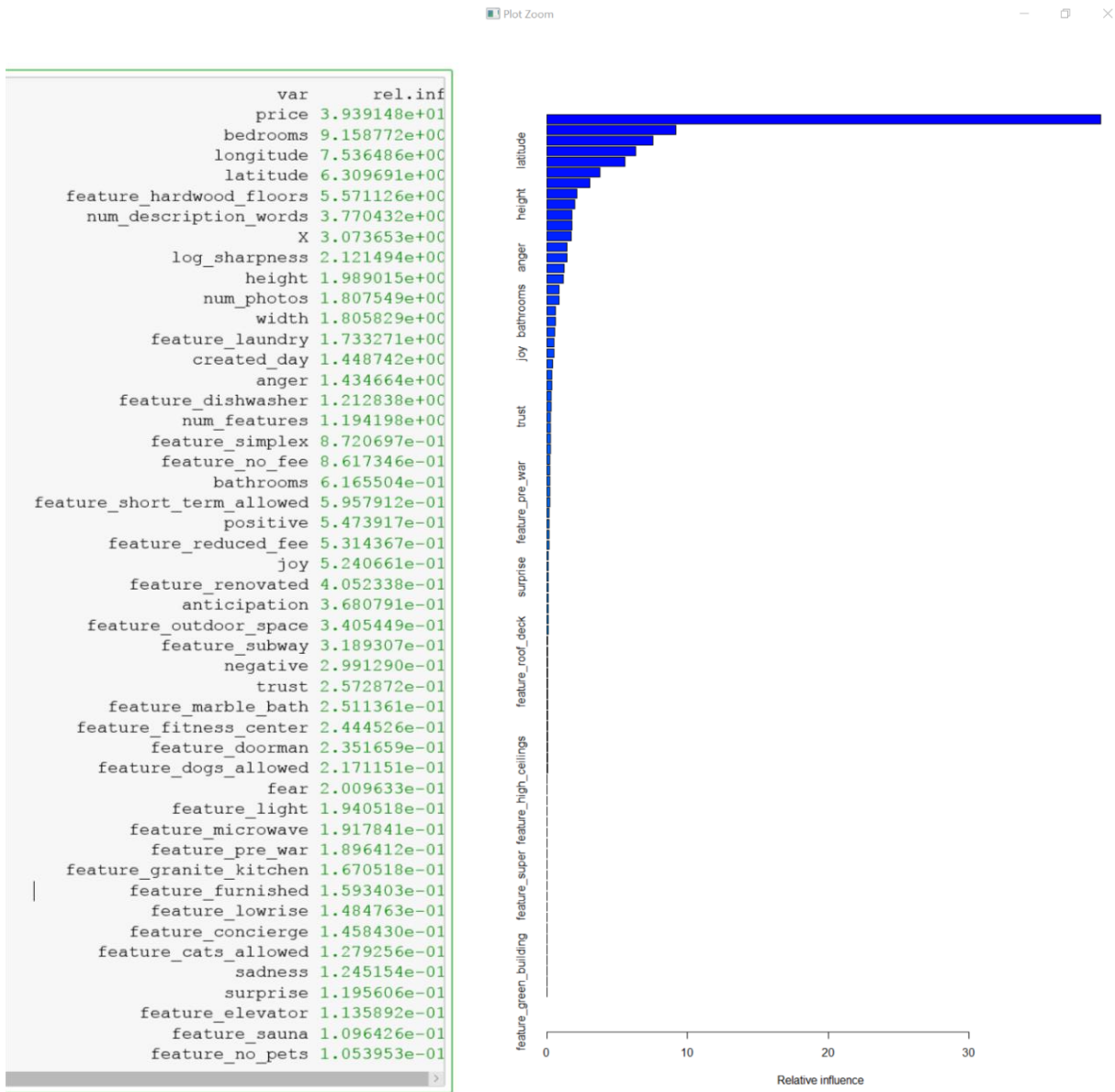
photos.renthop.com/2/7211212_1ed4542ec...	indoors	family	room	contemporary	furniture	house	trading floor	door	apartment	interior design	empty	inside	window
photos.renthop.com/2/7150865_be3306c5d...	indoors	window	empty	room	no person	family	interior design	house	furniture	contemporary	wall	wood	home
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	business
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	shower
photos.renthop.com/2/7102986_ca6a538c2...	indoors	ceiling	inside	dug-out pool	lobby	airport	subway system	public	train	trading floor	swimming pool	modern	escalat
photos.renthop.com/2/6895442_346e17a5f3...	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/2/6898043_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_5ctb949002...	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

- Blur Detection

Results:



Inference:

