RoyalSociety

Reading data

```
## Loading required package: grid
##
## Attaching package: 'dplyr'
##
## The following objects are masked from 'package:stats':
##
## filter, lag
##
## The following objects are masked from 'package:base':
##
## intersect, setdiff, setequal, union
```

Urban Elements

```
## Version: 1.35
## Date: 2015-04-25
## Author: Philip Leifeld (University of Konstanz)
##
## Please cite the JSS article in your publications -- see citation("texreg").
```

Men x Women - Pleasantness

100 iterations

Features that prop. of times p-value < 0.05 is greater than 70% - trees, basic colors, accent colors, graffiti, build diff ages, debris, landscape, pavement, prop. street wall, prop. sky, street width, sidewalk width, building height

```
## [1] "Prop. of p-values < 0.05 - mov cars 0.31"
## [1] "Prop. of p-values < 0.05 - park cars 0.56"
## [1] "Prop. of p-values < 0.05 - cyclists 0.04"
## [1] "Prop. of p-values < 0.05 - build ident 0.28"
## [1] "Prop. of p-values < 0.05 - build n rect 0.43"
## [1] "Prop. of p-values < 0.05 - trees 0.74"
## [1] "Prop. of p-values < 0.05 - small planters 0.28"
## [1] "Prop. of p-values < 0.05 - diff buildings 0.74"
## [1] "Prop. of p-values < 0.05 - furniture 0.71"
## [1] "Prop. of p-values < 0.05 - bas col 0.8"
## [1] "Prop. of p-values < 0.05 - acce col 0.72"
## [1] "Prop. of p-values < 0.05 - lig 0.57"
## [1] "Prop. of p-values < 0.05 - peop 0.45"
## [1] "Prop. of p-values < 0.05 - graffiti 0.75"
## [1] "Prop. of p-values < 0.05 - build diff ages 0.81"
## [1] "Prop. of p-values < 0.05 - debris 0.77"
## [1] "Prop. of p-values < 0.05 - landscape 0.79"
```

```
## [1] "Prop. of p-values < 0.05 - pavement 0.77"
## [1] "Prop. of p-values < 0.05 - prop street wall 0.85"
## [1] "Prop. of p-values < 0.05 - window 0.33"
## [1] "Prop. of p-values < 0.05 - prop sky ahead 0.8"
## [1]
      "Prop. of p-values < 0.05 - prop sky across 0.75"
## [1] "Prop. of p-values < 0.05 - prop active use 0.73"
## [1] "Prop. of p-values < 0.05 - street width 0.77"
## [1] "Prop. of p-values < 0.05 - sidewalk width 0.81"
## [1] "Prop. of p-values < 0.05 - building height 0.79"
##
      diff
                                                                     image_url
## 1
       -34
                                       liberdade/Rua_Edesio_Silva__602__0.jpg
## 2
                                       centro/Rua_Quebra_Quilos__399__270.jpg
       -26
## 3
       -26
                           catole/Rua_Deputado_Ascendino_Moura__101__270.jpg
## 4
        43
                                     liberdade/Rua Odon Bezerra 388 270.jpg
## 5
       -22
                                   catole/Rua_Doutor_Antonio_Telha__235_0.jpg
  6
##
       -48
                                           centro/Rua_Elias_Aforas__67__0.jpg
##
  7
       -22
                                     catole/Rua_Olegario_Mariano__139_270.jpg
## 8
       -30
                                liberdade/Rua_Severino_Pimentel__321__180.jpg
## 9
                                      liberdade/Rua_Odon_Bezerra__147_270.jpg
        20
## 10
        33
                            catole/Rua_Deputado_Ascendino_Moura__101__90.jpg
## 11
       -30
                                  centro/Avenida_Barao_Rio_Branco__141_90.jpg
                                       catole/Rua_Olegario_Mariano__139_0.jpg
## 12
        18
                        centro/Avenida_Presidente_Getulio_Vargas__395__90.jpg
## 13
       -16
                 catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_90.jpg
## 14
        16
## 15
                                      catole/Rua_Olegario_Mariano__139_90.jpg
        16
                                  centro/Rua_Pedro_Alvares_Cabral__129_90.jpg
## 16
        43
## 17
       -24
                                               liberdade/Rua_Acre__635_90.jpg
## 18
        46
                                      liberdade/Rua_Odon_Bezerra__306_270.jpg
                                           centro/Rua_Elias_Aforas__202_0.jpg
## 19
       -22
## 20
        12
                                          liberdade/Rua_Riachuelo__930__0.jpg
## 21
       -17
                                       catole/Rua_Vigario_Calixto__1201_0.jpg
## 22
       -11
                                   catole/Rua_Aluisio_Cunha_Linha__50__90.jpg
## 23
        20
                                  liberdade/Rua_Espirito_Santo__1288__180.jpg
## 24
        24
                                              liberdade/Rua_Acre__635_270.jpg
## 25
                                          liberdade/Rua_Riachuelo__847__0.jpg
       -19
##
  26
       -18
                                liberdade/Rua_Severino_Pimentel__439__180.jpg
##
   27
       -43
                          centro/Rua_Coronel_Salvino_Figueiredo__251_270.jpg
                                          centro/Rua_Felix_Araujo__48__90.jpg
##
  28
         9
                      centro/Avenida_Presidente_Getulio_Vargas__395__270.jpg
   29
##
       -20
##
  30
        12 catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__270.jpg
## 31
                                         centro/Rua_Felix_Araujo__48__270.jpg
## 32
            catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__90.jpg
         9
## 33
        18
                                   centro/Rua_Manoel_P._de_Araujo__150_90.jpg
## 34
        -8
                                   centro/Rua_Capitao_Joao_de_Sa__45__180.jpg
                       centro/Avenida_Presidente_Getulio_Vargas__271__90.jpg
## 35
        11
## 36
       -29
                                     centro/Avenida_Dom_Pedro_II__119_270.jpg
## 37
       -20
                                     catole/Rua_Olegario_Mariano__139_180.jpg
## 38
       -23
                                       liberdade/Rua_Odon_Bezerra__306_90.jpg
## 39
         8
                                        liberdade/Rua_Riachuelo__455__180.jpg
                                     catole/Rua_Honorio_de_Melo__240__270.jpg
## 40
        -7
## 41
         7
                                         centro/Rua_Felix_Araujo__132__90.jpg
## 42
        13
                                 liberdade/Rua_Severino_Pimentel__511_270.jpg
                                 centro/Avenida_Barao_Rio_Branco__141_270.jpg
## 43
         6
```

```
## 44
        13
                                        centro/Rua_Felix_Araujo__132__270.jpg
## 45
        15
                                       liberdade/Rua_Odon_Bezerra__147_90.jpg
## 46
       -15
                                  liberdade/Rua Santa Catarina 1231 180.jpg
                        liberdade/Avenida_Assis_Chateaubriand__1334__180.jpg
##
  47
         9
##
  48
         7
                                            liberdade/Rua_Sergipe__1337_0.jpg
##
  49
                         centro/Avenida_Presidente_Joao_Pessoa__128__180.jpg
        16
## 50
                                        liberdade/Rua Riachuelo 847 180.jpg
        10
                            centro/Rua_Coronel_Salvino_Figueiredo__251_90.jpg
## 51
        -8
                                     centro/Avenida_Dom_Pedro_II__500_270.jpg
##
  52
       -11
                      centro/Avenida_Presidente_Getulio_Vargas__210__180.jpg
       -27
## 53
                               liberdade/Rua_Padre_Pedro_Serrao__336__270.jpg
##
   54
       -11
                                   catole/Rua_Joao_Francisco_Mota__64__90.jpg
   55
##
         4
                                     liberdade/Rua_Edesio_Silva__602__180.jpg
##
   56
         9
## 57
        -9
                                  catole/Rua_Doutor_Antonio_Telha_68_90.jpg
## 58
                               liberdade/Rua_Padre_Pedro_Serrao__207__270.jpg
        -6
## 59
         4
                                    liberdade/Rua_Espirito_Santo__1288__0.jpg
##
        -9
                            catole/Rua_Cristina_Procopio_da_Silva__62__90.jpg
  60
##
   61
         5
                           catole/Rua Cristina Procopio da Silva 62 270.jpg
                                    centro/Rua_Manoel_P._de_Araujo__370_0.jpg
##
  62
         6
                  catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_0.jpg
##
  63
        -4
##
  64
        -2
                                          liberdade/Rua_Riachuelo__455__0.jpg
  65
        -4
                                centro/Rua Doutor Severino Cruz 411 270.jpg
##
## 66
                             catole/Rua_Inacio_Marques_da_Silva__434_270.jpg
       -10
                                           liberdade/Rua_Sergipe__1337_90.jpg
##
  67
         3
                                  liberdade/Rua_Severino_Pimentel__511_90.jpg
##
  68
        26
                                      liberdade/Rua_Odon_Bezerra__388__90.jpg
   69
         4
##
  70
        -3
                                         centro/Rua_Augusto_Severo__71_90.jpg
  71
                                      catole/Rua_Honorio_de_Melo__240__90.jpg
##
        -5
                                     centro/Rua_Capitao_Joao_de_Sa__45__0.jpg
## 72
        10
                         catole/Rua_Sebastiao_Vieira_da_Silva__1273__180.jpg
## 73
         4
## 74
         5
                                        centro/Rua_Quebra_Quilos__399__90.jpg
## 75
         3
                                   catole/Rua_Luisa_Bezerra_Mota__246_270.jpg
                            catole/Rua_Sebastiao_Vieira_da_Silva__1273__0.jpg
## 76
        -3
## 77
                                 centro/Rua_Pedro_Alvares_Cabral__129_180.jpg
        12
##
  78
        15
                                liberdade/Rua_Padre_Pedro_Serrao__353__90.jpg
##
  79
        -3
                                liberdade/Rua_Padre_Pedro_Serrao__207__90.jpg
## 80
         4
                                      centro/Avenida Dom Pedro II 500 90.jpg
## 81
         5
                      centro/Avenida_Presidente_Getulio_Vargas__271__270.jpg
## 82
         5
                                  liberdade/Rua_Severino_Pimentel__321__0.jpg
## 83
                                          centro/Rua_Augusto_Severo__71_0.jpg
        11
  84
                          liberdade/Avenida Assis Chateaubriand 1334 0.jpg
         1
##
  85
                                         centro/Rua_Joao_da_Mata__490_270.jpg
        -1
                        centro/Avenida_Presidente_Getulio_Vargas__210__0.jpg
##
  86
        -4
         2
                                      centro/Avenida_Dom_Pedro_II__119_90.jpg
##
  87
## 88
                                         centro/Rua_Elias_Aforas__202_180.jpg
         9
                                        liberdade/Rua_Riachuelo__930__180.jpg
## 89
         1
                                    catole/Rua_Otacilio_Nepomuceno__76_90.jpg
## 90
        -1
## 91
         0
                                 centro/Rua_Doutor_Severino_Cruz__411__90.jpg
## 92
         0
                          centro/Avenida_Presidente_Joao_Pessoa__128__90.jpg
## 93
        16
                               catole/Rua_Inacio_Marques_da_Silva__434_90.jpg
## 94
         0
                                  centro/Rua_Manoel_P._de_Araujo__150_270.jpg
## 95
                                  centro/Rua_Manoel_P._de_Araujo__370_180.jpg
##
      V3.Masculino V3.Feminino
                                        tree
                                               diffBuild
                                                              streeFur
                      4.734659 0.7635424907 0.326061239 0.5016360735
## 1
          5.669388
```

```
## 2
          6.152399
                      5.179046 0.5886890123 0.284601283 0.2667074902
                      4.395899 0.2908816296 0.129287899 0.2877030421
## 3
          5.065671
## 4
          4.324789
                      5.505997 0.0687247806 0.733105007 0.0000000000
                      3.960201 0.2585405564 0.328192358 0.4521047805
## 5
          4.783147
## 6
          4.798379
                      2.491727 0.4097274927 0.371288324 0.3035109016
                      5.479679 0.2462737879 0.209417981 0.2028675297
## 7
          6.381932
## 8
          5.629875
                      4.775648 0.8390816238 0.319667881 0.3604768665
## 9
          4.612885
                      4.939740 0.2397376068 0.198904459 0.0885240130
## 10
          4.660583
                      5.584777 0.2504548950 0.421961603 0.2086637449
## 11
          5.682969
                      4.831524 0.5015028806 0.319667881 0.0153234344
## 12
          4.856518
                      5.490661 0.2035479807 0.153440583 0.0000000000
## 13
          5.448738
                      4.835212 0.2722976798 0.153440583 0.5615044901
## 14
          5.452908
                      5.957672 0.3650006587 0.102293722 0.0357872053
## 15
          5.566138
                      6.254781 0.1308609265 0.102293722 0.1116726659
                      5.111939 0.0000000000 0.549828755 1.1914069149
## 16
          3.979283
## 17
          5.732231
                      4.958537 0.6233177777 0.306881166 0.5975370875
                      5.605842 0.1923360387 0.588188901 0.5090130746
##
  18
          4.374761
          4.120132
                      2.676231 0.2040236884 0.187538490 0.0608602589
##
  19
## 20
          5.195875
                      5.629512 0.1538316310 0.127867152 0.0000000000
## 21
          5.028832
                      4.676248 0.0407553932 0.144916106 0.0663930097
## 22
          4.839188
                      4.465789 0.0986735026 0.070326934 0.1251655549
## 23
          4.710900
                      5.232915 0.0069926658 0.191800729 0.0000000000
## 24
          4.858348
                      5.686269 0.1438425641 0.191800729 0.1770480259
## 25
          5.595181
                      4.938941 0.3795845441 0.161965060 0.1314028317
## 26
          5.090884
                      4.722114 0.2746214981 0.115080437 0.1991790292
## 27
          5.406128
                      3.939471 0.8198807490 0.366552504 0.0000000000
                      3.859092 0.0086297879 0.153440583 0.1618329612
## 28
          3.729872
##
  29
          4.401973
                      3.595981 0.1484051661 0.213111921 0.6501721411
                      5.832646 0.0940117601 0.076720291 0.0000000000
## 30
          5.463869
## 31
          4.474275
                      5.429391 0.0000000000 0.210980802 0.0951761664
## 32
          5.676055
                      6.100878 0.2445974651 0.047950182 0.2240764078
##
  33
          3.579687
                      4.145552 0.0000000000 0.402781530 0.3186864467
##
   34
          3.722149
                      3.149777 0.0000000000 0.068195815 0.0104145898
##
  35
          4.153740
                      4.446335 0.0439518946 0.105490401 0.2028675297
   36
                      3.701807 0.4826931842 0.247209828 0.2172569537
##
          4.684049
          5.349136
                      4.764357 0.1810803324 0.340979073 0.0761595614
## 37
## 38
          5.065915
                      4.458215 0.3328045655 0.318602321 0.3563091522
## 39
                      5.560208 0.0957459502 0.076720291 0.1359242559
          5.220517
                      5.769373 0.0260170966 0.073097389 0.0595834703
## 40
          6.110817
## 41
          3.563853
                      3.706332 0.0050626599 0.104424841 0.0605144620
## 42
          4.742512
                      5.018519 0.2505256698 0.090039787 0.0723210695
                      7.448900 0.1038862963 0.046884623 0.0663930097
## 43
          5.911878
## 44
          3.936662
                      4.221011 0.0478832851 0.184696998 0.0239752535
                      5.557332 0.0899016025 0.287701093 0.3669087380
## 45
          4.971403
## 46
          4.109385
                      3.565698 0.2948804610 0.148417231 0.2845414703
                      4.260369 0.1438425641 0.067130255 0.0823253289
## 47
          4.101888
## 48
          4.528578
                      4.694963 0.0811796812 0.044753503 0.0332601808
## 49
          5.482976
                      6.094188 0.0613085269 0.204587444 0.3793886270
## 50
          5.461453
                      5.761377 0.1937878988 0.085244768 0.0442620065
## 51
          4.427246
                      3.931088 0.0015667261 0.046884623 0.0000000000
## 52
                      4.712195 0.0904682396 0.140653868 0.0730323107
          4.916766
## 53
          4.810632
                      3.924757 0.0000000000 0.172620656 0.0000000000
## 54
                      4.908553 0.0000000000 0.152375023 0.0347772908
          5.234369
## 55
          5.912155
                      6.981764 0.0813076694 0.059671338 0.0885240130
```

```
## 56
         3.279962
                     3.660015 0.2013795897 0.101737778 0.0308253259
                     4.329576 0.0985470345 0.076720291 0.0995895146
## 57
         4.682669
## 58
         4.137615
                     3.812875 0.0718736398 0.038360146 0.0668859634
         5.017334
                     5.102029 0.0159825071 0.055409099 0.0221310032
## 59
##
  60
         5.615513
                     5.433086 0.1168720833 0.124670474 0.0725245472
                     3.572655 0.0733582480 0.035772358 0.0461062568
##
  61
         3.379153
## 62
         2.919262
                     3.477709 0.0014102212 0.083113649 0.2213100324
                     5.749159 0.1916014275 0.025573430 0.1180320173
## 63
         5.744315
##
  64
         3.532473
                     2.824930 0.0199781339 0.023868535 0.0252925751
## 65
         5.035938
                     4.925233 0.0882959555 0.059671338 0.0877200250
## 66
         6.544996
                     5.797254 0.0039935034 0.021311192 0.2336050342
                     3.183570 0.0000000000 0.024507871 0.0119174393
## 67
         3.171428
##
  68
         4.658035
                     5.248178 0.3116588888 0.221636398 0.3007871894
## 69
         4.735461
                     4.792363 0.0032010810 0.076720291 0.0331965049
## 70
                     3.757788 0.0119868803 0.044753503 0.0166399419
         4.067786
## 71
         6.519599
                     5.985027 0.0439518946 0.058605778 0.2068545243
##
  72
                     3.752874 0.0000000000 0.117211556 0.0510715459
         3.555278
  73
         4.548632
                     4.549221 0.1090571074 0.031256415 0.0103296003
##
                     5.025929 0.0537501658 0.053277980 0.1014337649
##
  74
         4.924197
##
  75
         5.744640
                     6.031051 0.0729212653 0.006393358 0.0221321140
## 76
         4.526829
                     4.266582 0.0373345256 0.025573430 0.0165982524
## 77
                     4.175701 0.0000000000 0.281307735 0.0117756569
         3.892864
                     4.843197 0.0000000000 0.255734305 0.0207478155
## 78
         4.627002
##
  79
         4.903682
                     4.811384 0.0454286220 0.025573430 0.0409138950
## 80
         5.511798
                     5.727466 0.0663639735 0.038360146 0.0667225382
##
  81
         4.436595
                     4.451994 0.0411869360 0.063933576 0.0141114730
                     4.787045 0.0219818137 0.046174249 0.0766253449
## 82
         4.693423
##
  83
         3.592514
                     3.838308 0.0158180157 0.087908667 0.0405446878
                     3.719354 0.0084318470 0.010655596 0.0007469265
## 84
         3.750444
## 85
         4.377363
                     4.199793 0.0192858395 0.013497088 0.0000000000
## 86
         3.734225
                     3.588631 0.0046733011 0.025573430 0.0000000000
##
  87
         3.594712
                     3.700754 0.0327745967 0.021311192 0.0361162187
##
  88
         4.231860
                     4.397574 0.1073308920 0.095900364 0.0158540614
                     3.828368 0.0005606249 0.008524477 0.0000000000
##
  89
         3.944754
  90
         5.808959
                     5.957162 0.0279693875 0.008524477 0.0110655016
##
                     ## 91
         7.974058
## 92
         5.649224
                     5.741027 0.000000000 0.00000000 0.000000000
## 93
                     4.359707 0.0213100095 0.170489537 0.0000000000
         3.940808
## 94
                     3.551413
                     ## 95
         2.033977
##
          basCol
                    accenCol
                                 graff buildDiffAges
                                                            deb
                                                                      land
     0.329788361 0.399422613 3.7777778
                                          1.78947368 136.000000 123.250000
##
  1
  2
     0.252191100 0.305440822 2.8888889
                                          1.36842105 123.411833 126.422880
  3
     0.126095550 0.152720411 2.8888889
                                          1.36842105 91.683713 109.939163
     0.625627921 0.757728192 4.7777778
                                          2.26315789 118.250000 107.500000
## 5
     0.213392469 0.516899852 2.4444444
                                          1.15789474 82.500000 77.000000
  6
     0.465583569 0.563890748 5.3333333
                                          2.52631579 126.000000 132.000000
## 7
     0.213392469 0.258449926 2.4444444
                                          1.15789474
                                                     73.197564
                                                               89.077799
## 8
     0.145494865 0.176215859 3.3333333
                                          1.57894737 109.318927 101.639961
## 9
     0.290989731 0.117477239 2.2222222
                                          1.05263158
                                                     77.500000
                                                                82.500000
## 10 0.000000000 0.000000000 3.6666667
                                          1.73684211 119.301131
                                                                71.835577
## 11 0.252191100 0.246702202 3.3333333
                                          1.57894737 125.416271 131.925041
## 12 0.087296919 0.105729515 2.0000000
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                                              propSkyAc
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                                    0.600000
                                                            30.769231
       41.095336
                                               1.17158676
                                                                        58.953773
## 79
        8.625000
                       1.9500000
                                    1.950000
                                               1.15000000
                                                             6.410256
                                                                        12.158467
```

```
## 80
       14.000000
                       2.3777778
                                    2.000000
                                               1.12139059
                                                             6.66667
                                                                       15.987142
## 81
       15.000000
                       4.8125000
                                    2.000000
                                                           11.538462
                                                                       22.735344
                                              0.88286353
                                    1.000000
                                               0.79106845
                                                            12.019231
##
  82
       19.375000
                       4.0357143
                                                                       19.275618
  83
                      10.0977978
                                    0.550000
##
       35.679840
                                               0.71551344
                                                            15.512821
                                                                       11.000000
##
   84
        3.750000
                       0.3067379
                                    0.500000
                                               0.47513506
                                                             2.765837
                                                                        3.739440
##
  85
        3.539533
                       0.5000000
                                    0.500000
                                               0.43659025
                                                             2.211538
                                                                        3.706850
## 86
       13.492675
                       3.8666667
                                    0.600000
                                               0.34000000
                                                             4.615385
                                                                       10.238709
## 87
        5.763330
                       1.5000000
                                    0.000000
                                               0.30969169
                                                             4.615385
                                                                        7.322296
##
  88
       23.625000
                       6.2269607
                                    0.450000
                                               0.27132386
                                                            18.846154
                                                                       31.518352
## 89
        3.110035
                       0.8812221
                                    0.050000
                                               0.05311960
                                                             1.955128
                                                                        3.410302
## 90
        3.646392
                       1.0000000
                                    0.050000
                                               0.03260344
                                                             2.919580
                                                                        3.957282
                                    0.000000
##
  91
        0.000000
                       0.0000000
                                               0.0000000
                                                             0.000000
                                                                        0.000000
##
  92
        0.000000
                       0.000000
                                    0.000000
                                               0.00000000
                                                             0.000000
                                                                        0.00000
                                                            34.358974
## 93
       39.487415
                       8.2533754
                                    0.000000
                                               0.0000000
                                                                       65.332653
## 94
                                    0.000000
        0.000000
                       0.000000
                                               0.00000000
                                                             0.000000
                                                                        0.00000
## 95
        0.00000
                       0.000000
                                    0.000000
                                              0.00000000
                                                             0.000000
                                                                        0.00000
##
        buildHei
## 1
       206.29680
       804.37904
## 2
##
  3
       174.92589
## 4
       584.58133
## 5
        56.89739
## 6
      1169.68198
## 7
        99.11519
## 8
       533.13245
## 9
       300.00000
## 10
       519.90305
##
  11
       126.94226
## 12
       196.60381
## 13
       366.27658
## 14
       305.61897
## 15
       157.69903
##
  16
       632.46459
##
  17
       170.89552
##
   18
       770.50000
##
  19
       277.38150
## 20
       120.00000
## 21
       209.05638
## 22
       108.58884
## 23
       216.66667
## 24
       268.50742
## 25
        61.54570
##
  26
       191.89409
##
  27
      5267.50000
## 28
       292.50000
## 29
       250.00000
##
  30
       165.76289
##
   31
       578.48469
##
  32
        65.23405
##
   33
       367.50385
   34
##
       226.15481
##
  35
        66.76339
## 36
       870.00000
## 37
       332.32001
```

```
## 38
       638.25000
## 39
       114.00000
## 40
       152.69355
        84.00000
## 41
## 42
       130.00000
## 43
        63.45795
## 44
       253.44671
       232.50000
## 45
## 46
       150.00000
## 47
       117.45855
## 48
       107.98533
## 49
       283.70104
## 50
       127.17836
## 51
       102.14029
## 52
       339.34265
## 53
       452.64961
## 54
       143.79166
## 55
        40.80000
## 56
        96.86842
## 57
       173.19278
## 58
       105.00000
## 59
        43.14286
       131.23082
## 60
## 61
        39.02594
## 62
        78.00000
## 63
        77.94293
## 64
        16.66667
## 65
        27.15691
## 66
        83.25562
## 67
        29.18779
## 68
       307.66667
## 69
        42.73282
## 70
        61.34379
## 71
        88.08784
## 72
       377.00000
## 73
        43.51597
## 74
        87.50000
## 75
        31.57473
## 76
        45.65926
## 77
       216.00000
## 78
       196.56796
## 79
        75.00000
## 80
        36.69796
## 81
        73.93570
## 82
       100.00000
## 83
       154.00000
## 84
        10.00000
## 85
        13.06375
## 86
        72.10458
## 87
       193.36732
## 88
       100.87443
## 89
        18.37713
## 90
        10.43585
## 91
         0.00000
```

```
## 92 0.00000
## 93 464.00507
## 94 0.00000
## 95 0.00000
```

Young x Adult - Pleasantness

[1] "Prop. of p-values < 0.05 - mov cars 0.22"

100 iterations

Features that prop. of times p-value < 0.05 is greater than 70% - diff buildings, street furniture, basic colors, accent colors, graffiti, build diff ages, debris, landscape, pavement, prop. street wall, prop. sky, street width, sidewalk width, building height

```
## [1] "Prop. of p-values < 0.05 - park cars 0.6"
## [1] "Prop. of p-values < 0.05 - cyclists 0.05"
## [1] "Prop. of p-values < 0.05 - build ident 0.28"
## [1] "Prop. of p-values < 0.05 - build n rect 0.36"
## [1] "Prop. of p-values < 0.05 - trees 0.64"
## [1] "Prop. of p-values < 0.05 - small planters 0.23"
## [1] "Prop. of p-values < 0.05 - diff buildings 0.84"
## [1] "Prop. of p-values < 0.05 - furniture 0.8"
## [1] "Prop. of p-values < 0.05 - bas col 0.83"
## [1] "Prop. of p-values < 0.05 - acce col 0.77"
## [1] "Prop. of p-values < 0.05 - lig 0.48"
## [1] "Prop. of p-values < 0.05 - peop 0.45"
## [1] "Prop. of p-values < 0.05 - graffiti 0.8"
## [1] "Prop. of p-values < 0.05 - build diff ages 0.89"
## [1] "Prop. of p-values < 0.05 - debris 0.79"
## [1] "Prop. of p-values < 0.05 - landscape 0.81"
## [1] "Prop. of p-values < 0.05 - pavement 0.78"
## [1] "Prop. of p-values < 0.05 - prop street wall 0.81"
## [1] "Prop. of p-values < 0.05 - window 0.39"
## [1] "Prop. of p-values < 0.05 - prop sky ahead 0.87"
## [1] "Prop. of p-values < 0.05 - prop sky across 0.83"
## [1] "Prop. of p-values < 0.05 - prop active use 0.78"
## [1] "Prop. of p-values < 0.05 - street width 0.81"
## [1] "Prop. of p-values < 0.05 - sidewalk width 0.84"
## [1] "Prop. of p-values < 0.05 - building height 0.88"
##
      diff
                                                                    image_url
## 1
       -35
                                      catole/Rua_Olegario_Mariano__139_0.jpg
## 2
        22
                                  catole/Rua_Aluisio_Cunha_Linha__50__90.jpg
## 3
                                          centro/Rua_Elias_Aforas__67__0.jpg
        46
                                 liberdade/Rua Espirito Santo 1288 180.jpg
## 4
        36
## 5
        18
                 catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_90.jpg
## 6
        26
                                   liberdade/Rua Espirito Santo 1288 0.jpg
## 7
       -30
                                    liberdade/Rua_Odon_Bezerra__388__270.jpg
## 8
       -16
                                      liberdade/Rua_Edesio_Silva__602__0.jpg
## 9
       21
                       centro/Avenida_Presidente_Getulio_Vargas__271__90.jpg
## 10
       -14
                                         liberdade/Rua Riachuelo 930 0.jpg
                        liberdade/Avenida Assis Chateaubriand 1334 180.jpg
## 11
       -24
## 12
                                  catole/Rua_Doutor_Antonio_Telha__235_0.jpg
        13
```

```
## 13
       -15
                            catole/Rua_Deputado_Ascendino_Moura__101__270.jpg
## 14
       -27
                                      liberdade/Rua_Odon_Bezerra__388__90.jpg
                                 liberdade/Rua Severino Pimentel 511 270.jpg
##
  15
       -21
                                liberdade/Rua_Severino_Pimentel__321__180.jpg
## 16
        18
##
  17
        18
                                liberdade/Rua_Severino_Pimentel__439__180.jpg
## 18
                                         centro/Rua Felix Araujo 132 90.jpg
        10
## 19
                                           centro/Rua Elias Aforas 202 0.jpg
       -16
                                  centro/Avenida_Barao_Rio_Branco__141_90.jpg
## 20
        16
## 21
        19
                                        centro/Rua_Felix_Araujo__132__270.jpg
       -22
                                       liberdade/Rua_Odon_Bezerra__147_90.jpg
## 22
##
  23
        16
                                        liberdade/Rua_Riachuelo__847__180.jpg
           catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__270.jpg
   24
##
       -11
                         catole/Rua_Sebastiao_Vieira_da_Silva__1273__180.jpg
##
  25
       -18
  26
       -16
                                centro/Rua_Doutor_Severino_Cruz__411__270.jpg
##
## 27
       -35
                          centro/Rua_Coronel_Salvino_Figueiredo__251_270.jpg
## 28
       -21
                           centro/Avenida_Presidente_Joao_Pessoa__128__90.jpg
##
  29
            catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__90.jpg
        -8
##
   30
       -12
                            centro/Rua Coronel Salvino Figueiredo 251 90.jpg
##
  31
        10
                                            liberdade/Rua_Sergipe__1337_0.jpg
                                  centro/Rua_Pedro_Alvares_Cabral__129_90.jpg
##
   32
       -21
##
  33
        -7
                                     catole/Rua_Honorio_de_Melo__240__270.jpg
##
  34
                                   catole/Rua_Luisa_Bezerra_Mota__246_270.jpg
        12
                                   centro/Rua_Capitao_Joao_de_Sa__45__180.jpg
## 35
        -6
  36
                                       centro/Rua_Quebra_Quilos__399__270.jpg
##
        -6
                                         centro/Rua_Augusto_Severo__71_90.jpg
## 37
        -9
##
  38
        12
                                              liberdade/Rua_Acre__635_270.jpg
## 39
        -8
                                       catole/Rua_Vigario_Calixto__1201_0.jpg
                                         centro/Rua_Joao_da_Mata__490_270.jpg
## 40
        12
## 41
        20
                                         centro/Rua_Felix_Araujo__48__270.jpg
## 42
         5
                       centro/Avenida_Presidente_Getulio_Vargas__395__90.jpg
                                          liberdade/Rua_Riachuelo__455__0.jpg
## 43
         5
## 44
        11
                      centro/Avenida_Presidente_Getulio_Vargas__395__270.jpg
                                       liberdade/Rua_Odon_Bezerra__306_90.jpg
## 45
       -16
                               liberdade/Rua_Padre_Pedro_Serrao__207__270.jpg
## 46
        -9
                         centro/Avenida_Presidente_Joao_Pessoa__128__180.jpg
## 47
        14
## 48
                                      centro/Avenida_Dom_Pedro_II__500_90.jpg
       -16
## 49
        11
                                     catole/Rua Olegario Mariano 139 180.jpg
## 50
        10
                                liberdade/Rua_Padre_Pedro_Serrao__207__90.jpg
## 51
                                        centro/Rua_Quebra_Quilos__399__90.jpg
        11
       -20
                      centro/Avenida_Presidente_Getulio_Vargas__271__270.jpg
## 52
  53
                             catole/Rua Deputado Ascendino Moura 101 90.jpg
         7
                                          liberdade/Rua_Riachuelo__847__0.jpg
##
   54
        -6
                                  liberdade/Rua_Severino_Pimentel__321__0.jpg
##
   55
       -21
                                           liberdade/Rua_Sergipe__1337_90.jpg
##
  56
        -5
## 57
                                liberdade/Rua_Padre_Pedro_Serrao__353__90.jpg
        40
                  catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_0.jpg
## 58
         6
                                 centro/Avenida_Barao_Rio_Branco__141_270.jpg
## 59
         3
                                     centro/Avenida_Dom_Pedro_II__119_270.jpg
## 60
        11
## 61
         3
                                      catole/Rua_Olegario_Mariano__139_90.jpg
                                     centro/Rua_Capitao_Joao_de_Sa__45__0.jpg
## 62
       -15
## 63
                           catole/Rua_Cristina_Procopio_da_Silva__62__270.jpg
        -5
## 64
                      centro/Avenida_Presidente_Getulio_Vargas__210__180.jpg
        15
## 65
        -2
                                   catole/Rua_Joao_Francisco_Mota__64__90.jpg
## 66
        -2
                                     catole/Rua_Olegario_Mariano__139_270.jpg
```

```
## 67
        -2
                                        liberdade/Rua_Riachuelo__455__180.jpg
## 68
        -3
                                               liberdade/Rua_Acre__635_90.jpg
##
   69
        24
                                          centro/Rua Augusto Severo 71 0.jpg
                                centro/Rua_Pedro_Alvares_Cabral__129_180.jpg
##
   70
       -13
##
   71
        -5
                                      liberdade/Rua_Odon_Bezerra__306_270.jpg
  72
        -3
                                     centro/Avenida_Dom_Pedro_II__500_270.jpg
##
  73
                                   centro/Rua_Manoel_P._de_Araujo__150_90.jpg
##
        -3
## 74
                           catole/Rua_Cristina_Procopio_da_Silva__62__90.jpg
         4
##
   75
         3
                                    centro/Rua_Manoel_P._de_Araujo__370_0.jpg
##
  76
        -1
                                          centro/Rua_Felix_Araujo__48__90.jpg
##
   77
         1
                                      liberdade/Rua_Odon_Bezerra__147_270.jpg
                                  centro/Rua_Manoel_P._de_Araujo__150_270.jpg
  78
         4
##
        -2
##
   79
                                  catole/Rua_Doutor_Antonio_Telha__68__90.jpg
         2
## 80
                              liberdade/Rua_Padre_Pedro_Serrao__336__270.jpg
## 81
         4
                                      centro/Avenida_Dom_Pedro_II__119_90.jpg
## 82
       -10
                                        liberdade/Rua_Riachuelo__930__180.jpg
  83
                                  centro/Rua_Manoel_P._de_Araujo__370_180.jpg
##
        -1
##
   84
        -1
                           catole/Rua Sebastiao Vieira da Silva 1273 0.jpg
                          liberdade/Avenida_Assis_Chateaubriand__1334__0.jpg
##
   85
         1
##
   86
        -1
                                     liberdade/Rua_Edesio_Silva__602__180.jpg
##
   87
         2
                             catole/Rua_Inacio_Marques_da_Silva__434_270.jpg
  88
        10
                                    catole/Rua_Otacilio_Nepomuceno__76_90.jpg
##
                                  liberdade/Rua_Severino_Pimentel__511_90.jpg
## 89
         2
                        centro/Avenida_Presidente_Getulio_Vargas__210__0.jpg
   90
##
        -1
## 91
         2
                                         centro/Rua_Elias_Aforas__202_180.jpg
  92
         0
                                 centro/Rua_Doutor_Severino_Cruz__411__90.jpg
## 93
         0
                                      catole/Rua_Honorio_de_Melo__240__90.jpg
         5
                               catole/Rua_Inacio_Marques_da_Silva__434_90.jpg
##
   94
         0
                                  liberdade/Rua_Santa_Catarina__1231__180.jpg
## 95
##
      V3.Jovem V3.Adulto
                           diffBuild
                                          streeFur
                                                        basCol
                                                                  accenCol
## 1
      5.484685
                4.305494 0.298356689 0.0000000000 0.169744010 0.205585168
##
   2
      4.399380
                4.850225 0.140653868 0.2503311097 0.174083330 0.156430218
                5.654727 0.355817977 0.2908646140 0.446184254 0.540395300
  3
      4.454531
     4.171877
                5.020853 0.345241312 0.0000000000 0.523781515 0.422918061
  4
  5
      5.161819
                5.695178 0.115080437 0.0402606060 0.145494865 0.211459030
## 6
     4.618825
                5.322614 0.360159146 0.1438515211 0.338467003 0.265251240
## 7
     4.917902
                3.931332 0.511468610 0.0000000000 0.436484596 0.528647576
## 8
     5.747151
                5.278336 0.153440583 0.2360640346 0.155194523 0.187963583
## 9
      3.710178
                4.208300 0.201390765 0.3872925567 0.300178880 0.363561140
## 10 5.571400
                5.075785 0.149178345 0.0000000000 0.181060277 0.164468135
## 11 4.703492
                3.889932 0.179014013 0.2195342104 0.145494865 0.140972687
## 12 4.475186
                4.711684 0.193931848 0.2671528248 0.126095550 0.305440822
                4.700305 0.074589172 0.1659825243 0.072747433 0.088107929
## 13 5.151885
                4.286200 0.517861967 0.2240764078 0.392836136 0.475782819
## 14 5.106325
                4.211724 0.145448886 0.1168263431 0.203692811 0.246702202
## 15 4.896461
                5.524271 0.191800729 0.2162861199 0.087296919 0.105729515
## 16 4.928510
                5.014403 0.115080437 0.1991790292 0.174593838 0.211459030
## 17 4.577921
## 18 3.715550
                3.871790 0.149178345 0.0864492314 0.193993154 0.234954478
## 19 4.412934
                3.810845 0.136391629 0.0442620065 0.155194523 0.187963583
## 20 5.107648
                5.590747 0.170489537 0.0081724983 0.134501920 0.131574508
## 21 3.752297
                4.221872 0.269941766 0.0350407551 0.322513618 0.334810132
                4.638616 0.421961603 0.5381328157 0.213392469 0.129224963
## 22 5.335917
## 23 5.525167
                6.083446 0.136391629 0.0708192104 0.155194523 0.187963583
## 24 5.789554 5.507639 0.070326934 0.0000000000 0.053348117 0.000000000
```

```
## 25 4.650595 4.014614 0.140653868 0.0464832014 0.218242298 0.158594273
               4.953291 0.238685351 0.3508800999 0.077597262 0.093981791
## 26 5.493621
## 27 5.345054
               4.304879 0.298356689 0.000000000 0.339488019 0.205585168
## 28 6.055830
               5.304983 0.268521020 0.2025837989 0.203692811 0.246702202
## 29 5.803744
               5.588772 0.042622384 0.1991790292 0.077597262 0.093981791
## 30 4.537341
               4.031580 0.070326934 0.0000000000 0.135795208 0.070486343
## 31 4.350063
               4.542041 0.063933576 0.0475145440 0.193993154 0.234954478
## 32 4.475204
              3.770223 0.268521020 0.5818498887 0.305539217 0.370053303
## 33 6.204509
               5.988564 0.073097389 0.0595834703 0.101846406 0.054822712
## 34 5.663220
               6.276860 0.025573430 0.0885284561 0.058197946 0.140972687
## 35 3.732993
               3.241197 0.051146861 0.0078109423 0.058197946 0.105729515
## 36 6.026107
               5.644600 0.065677219 0.0615478824 0.058197946 0.070486343
## 37 4.322181
               3.875164 0.134260510 0.0499198256 0.087296919 0.132161894
## 38 4.766203
               5.021180 0.095900364 0.0885240130 0.116395892 0.140972687
## 39 5.067090
               4.743345 0.068195815 0.0312437693 0.077597262 0.093981791
## 40 4.212398
               4.345108 0.161965060 0.0000000000 0.116395892 0.140972687
               4.796048 0.127867152 0.0576825251 0.290989731 0.469908957
## 41 4.335546
## 42 5.290989
               5.488952 0.047950182 0.1754701532 0.072747433 0.039159080
              3.290994 0.059671338 0.0632314378 0.048498288 0.058738620
## 43 3.116512
## 44 4.171187
               4.300296 0.117211556 0.3575946776 0.213392469 0.000000000
## 45 5.334864
               4.816759 0.221636398 0.2478672363 0.155194523 0.093981791
## 46 4.247113
               3.779948 0.057540219 0.1003289452 0.087296919 0.105729515
## 47 5.255912
              5.625471 0.179014013 0.3319650486 0.000000000 0.000000000
               5.389835 0.153440583 0.2668901528 0.155194523 0.187963583
## 48 5.936462
## 49 5.088327
               5.402325 0.187538490 0.0418877588 0.106696235 0.129224963
## 50 4.660635
               4.844610 0.085244768 0.1363796502 0.145494865 0.176215859
## 51 4.905782
              5.185982 0.117211556 0.2231542827 0.106696235 0.064612482
## 52 4.748438
               4.091710 0.255734305 0.0564458918 0.290989731 0.352431717
## 53 4.962492
               5.166518 0.089507007 0.0442620065 0.000000000 0.000000000
## 54 5.741206
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##
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                   propSkyAc
                                streetW
                                          sidewalW
                                                       buildHei
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                  5.30000000 23.076923
                                          28.468605
                                                      98.379473
## 40
       6.0000000
                  5.23908305 26.538462
                                          44.482195
                                                     156.765034
##
  41
       5.0000000
                  5.23604692 35.384615
                                         95.477184
                                                     350.596779
##
   42
       5.0000000
                  5.00000000 12.606838
                                          19.769865
                                                     114.461431
##
   43
       5.0000000
                  5.00000000 8.547009
                                         12.596025
                                                      41.666667
##
   44
       5.5000000
                  4.95000000 23.974359
                                          48.930415
                                                     137.500000
##
   45
                  4.80000000 41.025641
                                         69.589923
                                                     444.000000
       9.0666667
##
   46
       6.0000000
                  4.80000000 18.188259
                                         34.977053
                                                     157.500000
## 47
       7.0000000
                  4.50427531 14.358974
                                         50.763523
                                                     248.238406
## 48
       8.0000000
                  4.48556238 26.666667
                                         63.948567
                                                     146.791836
```

```
4.9500000
                   3.97358089 22.564103
                                                       182.776006
                                           22.364912
##
  50
       6.5000000
                   3.83333333 21.367521
                                           40.528222
                                                       250.000000
##
   51
       4.0333333
                   3.66666667 30.496795
                                           40.775346
                                                       192.500000
##
   52
       8.0000000
                   3.53145411 46.153846
                                           90.941377
                                                       295.742795
##
   53
       3.5000000
                   3.49301063 14.957265
                                           13.402782
                                                       110.282465
##
   54
       3.5000000
                   3.37500000 15.076923
                                           21.351454
                                                        19.435485
##
   55
       4.2000000
                   3.32248751 50.480769
                                           80.957596
                                                       420.000000
##
  56
       3.4000000
                   3.15000000
                                8.333333
                                           17.822764
                                                        48.646311
##
   57
       1.6000000
                   3.12423137 82.051282
                                         157.210062
                                                       524.181232
##
   58
       3.0000000
                   3.00000000 17.435897
                                           35.585756
                                                       116.914401
##
   59
       3.0000000
                   2.87715321
                                5.538462
                                            8.986582
                                                        31.728975
##
   60
       3.7400000
                   2.86000000
                               26.794872
                                           58.716498
                                                       330.000000
##
   61
       3.0000000
                   2.70802529
                                7.307692
                                            8.234476
                                                        29.568569
       5.4107143
                                           55.602744
                                                       565.500000
##
   62
                   2.67857143 32.211538
##
   63
       1.5000000
                   2.24947913
                                6.153846
                                           17.801620
                                                        39.025937
##
   64
       0.7500000
                   2.18483972 15.000000
                                           68.461590
                                                       251.472006
##
   65
       2.0000000
                                3.999173
                                            8.150286
                                                        20.400000
                   1.93140299
##
       2.0000000
                                4.843924
                                            9.115096
                                                         9.010472
   66
                   1.86757727
##
   67
       2.0000000
                   1.72449824
                                3.974359
                                            6.405436
                                                        28.500000
##
   68
       1.8000000
                   1.67500000
                                7.019231
                                           11.565371
                                                        21.361940
##
   69
       1.2000000
                   1.56112022 33.846154
                                           24.000000
                                                       336.000000
                   1.46961192 27.333333
                                           51.242619
##
   70
       3.9000000
                                                       234.000000
  71
       2.0000000
                   1.40065701
                              11.538462
                                           18.904933
##
                                                        83.750000
##
  72
       1.8000000
                   1.35000000
                                5.769231
                                           12.455015
                                                        92.547995
##
  73
       1.5375000
                   1.33610291
                                7.211538
                                           14.166559
                                                        61.250641
##
   74
       2.000000
                   1.09444507
                                6.794872
                                           17.542655
                                                        58.324810
##
   75
       1.5545455
                   1.06270621
                                5.128205
                                           11.268823
                                                        39.000000
##
   76
       1.0000000
                   1.0000000
                                2.158120
                                            3.543067
                                                        32.500000
   77
##
       0.0000000
                   0.85476686
                                2.136752
                                            4.260469
                                                        15.000000
##
   78
                   0.75694612 10.085470
                                           18.979070
       2.2000000
                                                        89.000000
##
  79
       1.3333333
                   0.75482602
                                4.188034
                                            3.881978
                                                        38.487283
##
   80
       1.0000000
                   0.70353002
                                3.897436
                                            6.168198
                                                        26.143938
##
   81
       0.000000
                   0.61938339
                                9.230769
                                           14.644593
                                                       386.734633
##
   82
       0.5000000
                   0.53119596
                               19.551282
                                           34.103016
                                                       183.771275
   83
                                1.602564
##
       0.5642857
                   0.49642857
                                            2.851137
                                                        16.190476
##
   84
       0.5000000
                   0.48869438
                                1.880342
                                            3.805699
                                                        15.219752
##
   85
       0.5000000
                   0.47513506
                                2.765837
                                            3.739440
                                                        10.000000
                                2.307692
##
  86
       0.5000000
                   0.39296299
                                            4.213017
                                                        10.763158
  87
                                4.768010
##
       0.7000000
                   0.39197705
                                            8.947267
                                                        16.651125
##
  88
       0.5000000
                   0.32603442 29.195804
                                           39.572823
                                                       104.358459
##
   89
       2.0000000
                   0.14436152
                                3.247863
                                            6.326357
                                                        23.666667
##
   90
       0.1500000
                   0.08500000
                                1.153846
                                            2.559677
                                                        18.026144
##
   91
       0.1000000
                   0.06029419
                                4.188034
                                            7.004078
                                                        22.416540
##
   92
                   0.0000000
                                0.00000
                                            0.00000
       0.0000000
                                                         0.000000
##
  93
       0.000000
                   0.0000000
                                0.00000
                                            0.00000
                                                         0.000000
## 94
       0.0000000
                   0.00000000 10.737179
                                           20.416454
                                                       145.001586
## 95
       0.000000
                   0.00000000
                               0.000000
                                            0.00000
                                                         0.000000
```

Married x Single - Pleasantness

100 iterations

Features that prop. of times p-value < 0.05 is greater than 70% - diff buildings, basic colors, accent colors, graffiti, build diff ages, debris, landscape, pavement, prop. street wall, prop. sky, street width, sidewalk

```
## [1] "Prop. of p-values < 0.05 - mov cars 0.25"
## [1] "Prop. of p-values < 0.05 - park cars 0.61"
## [1] "Prop. of p-values < 0.05 - cyclists 0.02"
## [1] "Prop. of p-values < 0.05 - build ident 0.3"
      "Prop. of p-values < 0.05 - build n rect 0.39"
## [1] "Prop. of p-values < 0.05 - trees 0.64"
## [1] "Prop. of p-values < 0.05 - small planters 0.32"
## [1] "Prop. of p-values < 0.05 - diff buildings 0.73"
      "Prop. of p-values < 0.05 - furniture 0.69"
## [1] "Prop. of p-values < 0.05 - bas col 0.85"
## [1] "Prop. of p-values < 0.05 - acce col 0.79"
## [1] "Prop. of p-values < 0.05 - lig 0.55"
## [1] "Prop. of p-values < 0.05 - peop 0.43"
## [1] "Prop. of p-values < 0.05 - graffiti 0.85"
## [1] "Prop. of p-values < 0.05 - build diff ages 0.85"
## [1] "Prop. of p-values < 0.05 - debris 0.83"
## [1] "Prop. of p-values < 0.05 - landscape 0.79"
## [1] "Prop. of p-values < 0.05 - pavement 0.8"
## [1] "Prop. of p-values < 0.05 - prop street wall 0.86"
## [1]
       "Prop. of p-values < 0.05 - window 0.44"
## [1] "Prop. of p-values < 0.05 - prop sky ahead 0.77"
## [1] "Prop. of p-values < 0.05 - prop sky across 0.79"
## [1] "Prop. of p-values < 0.05 - prop active use 0.89"
## [1] "Prop. of p-values < 0.05 - street width 0.82"
## [1] "Prop. of p-values < 0.05 - sidewalk width 0.83"
## [1] "Prop. of p-values < 0.05 - building height 0.75"
##
      diff
                                                                    image_url
## 1
        52
                                       liberdade/Rua_Edesio_Silva__602__0.jpg
## 2
        46
                           catole/Rua_Deputado_Ascendino_Moura__101__270.jpg
## 3
       -36
                                          centro/Rua_Felix_Araujo__48__90.jpg
## 4
       -75
                                    centro/Rua_Manoel_P._de_Araujo__370_0.jpg
## 5
       -43
                               liberdade/Rua_Severino_Pimentel__439__180.jpg
## 6
        25
                                     catole/Rua_Honorio_de_Melo__240__270.jpg
## 7
       -53
                      centro/Avenida_Presidente_Getulio_Vargas__395__270.jpg
## 8
       -32
                                            liberdade/Rua_Sergipe__1337_0.jpg
## 9
       -48
                                           centro/Rua_Elias_Aforas__67__0.jpg
## 10
        33
                                         centro/Rua_Augusto_Severo__71_90.jpg
## 11
       -21
                                         centro/Rua_Felix_Araujo__132__90.jpg
## 12
        20
                                    catole/Rua_Olegario_Mariano__139_270.jpg
## 13
                       centro/Avenida_Presidente_Getulio_Vargas__395__90.jpg
       -18
## 14
       -18
                                          liberdade/Rua_Riachuelo__455__0.jpg
## 15
           catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__270.jpg
                                     liberdade/Rua_Odon_Bezerra__388__90.jpg
## 16
        32
## 17
       -43
                                        centro/Rua_Quebra_Quilos__399__90.jpg
                          centro/Rua_Coronel_Salvino_Figueiredo__251_270.jpg
## 18
        62
## 19
                                      liberdade/Rua_Odon_Bezerra__147_270.jpg
        16
                 catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_90.jpg
## 20
        13
                              liberdade/Rua_Padre_Pedro_Serrao__336__270.jpg
## 21
                               liberdade/Rua_Severino_Pimentel__321__180.jpg
## 22
        19
## 23
                                           centro/Rua_Elias_Aforas__202_0.jpg
           catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__90.jpg
## 24
```

```
## 25
        15
                        liberdade/Avenida_Assis_Chateaubriand__1334__180.jpg
                                        centro/Rua_Felix_Araujo__132__270.jpg
## 26
       -19
## 27
        15
                                   catole/Rua_Luisa_Bezerra_Mota__246_270.jpg
                                centro/Rua_Doutor_Severino_Cruz__411__270.jpg
## 28
        15
##
  29
        19
                          centro/Avenida_Presidente_Joao_Pessoa__128__90.jpg
## 30
                           centro/Rua Coronel Salvino Figueiredo 251 90.jpg
        11
## 31
                                       catole/Rua Vigario Calixto 1201 0.jpg
        10
## 32
                                       liberdade/Rua_Odon_Bezerra__306_90.jpg
        22
                                     catole/Rua_Olegario_Mariano__139_180.jpg
##
   33
       -18
                  catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_0.jpg
##
   34
       -13
##
   35
        13
                            catole/Rua_Deputado_Ascendino_Moura__101__90.jpg
        -7
                                      catole/Rua_Olegario_Mariano__139_90.jpg
   36
##
##
   37
       -19
                                  centro/Rua_Pedro_Alvares_Cabral__129_90.jpg
  38
                                               liberdade/Rua_Acre__635_90.jpg
##
        11
## 39
       -14
                                         centro/Rua_Joao_da_Mata__490_270.jpg
                                     centro/Avenida_Dom_Pedro_II__500_270.jpg
## 40
        13
                         catole/Rua_Sebastiao_Vieira_da_Silva__1273__180.jpg
## 41
       -13
## 42
        11
                                     liberdade/Rua Odon Bezerra 388 270.jpg
## 43
                                    liberdade/Rua_Espirito_Santo__1288__0.jpg
         8
## 44
       -10
                                        liberdade/Rua_Riachuelo__847__180.jpg
## 45
         5
                                   catole/Rua_Aluisio_Cunha_Linha__50__90.jpg
## 46
        -9
                                  liberdade/Rua Espirito Santo 1288 180.jpg
                                     centro/Avenida_Dom_Pedro_II__119_270.jpg
## 47
        18
                           catole/Rua_Cristina_Procopio_da_Silva__62__270.jpg
## 48
       -10
                                      catole/Rua_Honorio_de_Melo__240__90.jpg
## 49
        12
                      centro/Avenida_Presidente_Getulio_Vargas__271__270.jpg
## 50
        24
  51
       -28
                      centro/Avenida_Presidente_Getulio_Vargas__210__180.jpg
##
                                          liberdade/Rua_Riachuelo__930__0.jpg
##
   52
        -4
## 53
                                   catole/Rua_Doutor_Antonio_Telha__235_0.jpg
         4
## 54
       -56
                                          centro/Rua_Augusto_Severo__71_0.jpg
                          centro/Avenida_Presidente_Joao_Pessoa__128__180.jpg
## 55
       -11
##
  56
        -7
                                 liberdade/Rua_Severino_Pimentel__511_270.jpg
## 57
                                liberdade/Rua_Padre_Pedro_Serrao__207__90.jpg
        -9
                       centro/Avenida_Presidente_Getulio_Vargas__271__90.jpg
## 58
         5
## 59
         6
                               liberdade/Rua_Padre_Pedro_Serrao__207__270.jpg
## 60
         5
                            catole/Rua_Sebastiao_Vieira_da_Silva__1273__0.jpg
## 61
         5
                          liberdade/Avenida Assis Chateaubriand 1334 0.jpg
## 62
         9
                                         centro/Rua_Felix_Araujo__48__270.jpg
                                      centro/Avenida_Dom_Pedro_II__119_90.jpg
## 63
       -14
        -2
                                   centro/Rua_Capitao_Joao_de_Sa__45__180.jpg
## 64
                                   catole/Rua_Joao_Francisco_Mota__64__90.jpg
## 65
         2
## 66
         3
                                           liberdade/Rua_Sergipe__1337_90.jpg
                                       catole/Rua_Olegario_Mariano__139_O.jpg
## 67
        -2
## 68
        24
                                  liberdade/Rua_Severino_Pimentel__511_90.jpg
## 69
         2
                                        liberdade/Rua_Riachuelo__455__180.jpg
                                        liberdade/Rua_Riachuelo__930__180.jpg
## 70
       -29
                                       liberdade/Rua_Odon_Bezerra__147_90.jpg
## 71
        -4
## 72
         3
                                   centro/Rua_Manoel_P._de_Araujo__150_90.jpg
## 73
         2
                                 centro/Rua_Doutor_Severino_Cruz__411__90.jpg
         7
## 74
                                     centro/Rua_Capitao_Joao_de_Sa__45__0.jpg
## 75
        -2
                                          liberdade/Rua_Riachuelo__847__0.jpg
         3
## 76
                                  liberdade/Rua_Santa_Catarina__1231__180.jpg
## 77
        -2
                                  centro/Avenida_Barao_Rio_Branco__141_90.jpg
## 78
        -4
                            catole/Rua_Cristina_Procopio_da_Silva__62__90.jpg
```

```
## 79
        -2
                                 centro/Rua_Manoel_P._de_Araujo__370_180.jpg
## 80
         1
                                centro/Avenida_Barao_Rio_Branco__141_270.jpg
                                      liberdade/Rua Odon Bezerra 306 270.jpg
##
  81
        -2
                                    catole/Rua_Otacilio_Nepomuceno__76_90.jpg
  82
##
        16
##
  83
        -6
                               liberdade/Rua_Padre_Pedro_Serrao__353__90.jpg
  84
                                         centro/Rua_Elias_Aforas__202_180.jpg
##
        15
  85
##
                                 centro/Rua_Pedro_Alvares_Cabral__129_180.jpg
        -1
                                              liberdade/Rua_Acre__635_270.jpg
## 86
##
  87
         5
                        centro/Avenida_Presidente_Getulio_Vargas__210__0.jpg
        -2
##
  88
                                 liberdade/Rua_Severino_Pimentel__321__0.jpg
  89
         1
                                  centro/Rua_Manoel_P._de_Araujo__150_270.jpg
  90
         0
                             catole/Rua_Inacio_Marques_da_Silva__434_270.jpg
##
## 91
         0
                                       centro/Rua_Quebra_Quilos__399__270.jpg
         0
                                  catole/Rua_Doutor_Antonio_Telha_68_90.jpg
## 92
## 93
       -30
                              catole/Rua_Inacio_Marques_da_Silva__434_90.jpg
## 94
         0
                                     liberdade/Rua_Edesio_Silva__602__180.jpg
##
                                      centro/Avenida_Dom_Pedro_II__500_90.jpg
  95
##
      V3.Casado V3.Solteiro
                              diffBuild
                                              basCol
                                                        accenCol
                                                                     graff
       4.009886
                   5.601754 0.498681895 0.504382200 0.610881644 5.7777778
## 1
##
  2
       3.510442
                   4.942863 0.228740128 0.223092127 0.270197650 5.1111111
##
  3
       4.716277
                   3.687499 0.613762332 0.523781515 0.845836122 4.0000000
       5.679763
                   2.827932 1.038920614 0.929550529 0.881079294 8.3333333
       7.746659
                   4.738631 0.274914378 0.417085281 0.505152128 4.7777778
## 5
       5.075066
                   6.042811 0.261062103 0.363737163 0.195795399 2.7777778
## 6
       5.602249
                   4.151323 0.564746590 1.028163715 0.000000000 5.8888889
## 7
## 8
       5.169233
                   4.500807 0.204587444 0.620778092 0.751854330 3.5555556
## 9
       6.211768
                   4.489061 0.371288324 0.465583569 0.563890748 5.3333333
                   4.611093 0.492288537 0.320088704 0.484593611 3.6666667
## 10
       3.351086
## 11
       4.232689
                   3.697636 0.313274523 0.407385623 0.493404404 2.3333333
## 12
       5.248410
                   6.207961 0.190379983 0.193993154 0.234954478 2.2222222
## 13
       6.281912
                   5.144996 0.172620656 0.261890758 0.140972687 2.0000000
## 14
       3.896597
                   3.384016 0.214816816 0.174593838 0.211459030 2.0000000
                   5.707987 0.140653868 0.106696235 0.000000000 2.4444444
##
  15
       5.009008
       4.126060
                   5.015518 0.613762332 0.465583569 0.563890748 3.5555556
## 16
  17
       7.941823
                   4.808818 0.458190630 0.417085281 0.252576064 4.7777778
## 18
       1.171158
                   5.022800 0.528517563 0.601378777 0.364179441 6.8888889
## 19
       4.199604
                   4.698922 0.159123567 0.232791785 0.093981791 1.7777778
## 20
       4.947603
                   5.351903 0.083113649 0.105079625 0.152720411 1.4444444
## 21
       4.285609
                   5.153761 0.457125070 0.400110880 0.484593611 3.6666667
## 22
       4.887078
                   5.367078 0.202456325 0.092146748 0.111603377 2.1111111
  23
       3.212438
                   4.105994 0.144916106 0.164894181 0.199711307 1.8888889
  24
       5.367412
                   5.717780 0.053277980 0.096996577 0.117477239 1.1111111
##
                   4.161799 0.111883758 0.090934291 0.088107929 1.6666667
##
  25
       3.337625
                   3.811359 0.269941766 0.322513618 0.334810132 2.1111111
##
  26
       4.294643
## 27
                   6.021683 0.031966788 0.072747433 0.176215859 1.6666667
       5.363224
                   5.290188 0.223767517 0.072747433 0.088107929 1.6666667
## 28
       4.920229
##
  29
       5.155178
                   5.888605 0.242947590 0.184293496 0.223206754 2.1111111
  30
       3.622542
                   4.285267 0.064466356 0.124478940 0.064612482 1.2222222
##
##
  31
       4.616122
                   4.923244 0.085244768 0.096996577 0.117477239 1.1111111
##
  32
       4.396375
                   4.951083 0.304750047 0.213392469 0.129224963 2.4444444
##
  33
       6.775996
                   5.281383 0.306881166 0.174593838 0.211459030 2.0000000
  34
##
      7.684253
                   5.579950 0.083113649 0.126095550 0.152720411 1.4444444
## 35
       4.807069
                   5.018352 0.166227298 0.000000000 0.000000000 1.4444444
                   5.703237 0.044753503 0.067897604 0.041117034 0.7777778
## 36
      7.593290
```

```
## 37
      4.821824
                   4.405259 0.242947590 0.276440244 0.334810132 2.1111111
                   5.607081 0.140653868 0.160044352 0.193837445 1.2222222
## 38
      5.228958
  39
      4.496874
                   4.286344 0.188959236 0.135795208 0.164468135 1.5555556
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##
      propSkyAhe propSkyAc
                                 streetW
                                            sidewalW
                                                         buildHei
##
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                                                      204.810291
##
   36
       7.000000
                   6.3187257
                               17.051282
                                          19.213776
                                                       68.993327
##
   37
       7.2200000
                   6.2700000
                               35.564103
                                          41.810855
                                                      279.461096
##
   38
                   6.1416667
                               25.737179
                                          42.406360
       6.6000000
                                                       78.327114
##
   39
       7.000000
                   6.1122636
                               30.961538
                                          51.895895
                                                      182.892540
                               25.000000
##
       7.8000000
                   5.8500000
   40
                                          53.971730
                                                      401.041313
                   5.7260975
##
   41
       3.9000000
                               26.666667
                                          51.401648
                                                      141.426898
##
   42
       5.5000000
                   5.5997958
                              28.205128
                                          51.498777
                                                      149.544061
##
   43
       5.6000000
                   5.2000000
                               12.564103
                                          37.365044
                                                       86.285714
##
  44
       5.0000000
                   5.0524648
                               24.358974
                                          39.539729
                                                      127.178362
##
  45
       5.0000000
                   5.0000000
                               8.589744
                                          18.979070
                                                       49.358566
##
                   4.8385525
                                          27.578961
   46
       4.5000000
                               16.153846
                                                       97.500000
##
   47
       6.1200000
                   4.6800000
                               43.846154
                                          96.081542
                                                      540.000000
##
   48
       3.0000000
                   4.4989583
                              12.307692
                                          35.603240
                                                       78.051875
##
   49
       6.0000000
                   4.4006924
                              30.769231
                                          57.140013
                                                      211.410813
##
                   4.2377449
   50
       9.6000000
                              55.384615 109.129653
                                                      354.891354
##
  51
       1.4000000
                   4.0783675
                               28.000000 127.794967
                                                      469.414412
## 52
       0.4000000
                   4.0000000
                               9.230769
                                          16.606686
                                                       40.000000
##
   53
       4.0000000
                   3.9320495
                              11.623932
                                          16.890827
                                                       10.344981
##
   54
       2.8000000
                   3.6426139
                               78.974359
                                          56.000000
                                                      784.000000
##
   55
       5.5000000
                   3.5390735
                               11.282051
                                          39.885625
                                                      195.044462
##
   56
       3.5000000
                   3.4722447
                               15.55556
                                          23.526139
                                                       70.000000
##
   57
                   3.4500000
                                          36.475400
       5.8500000
                               19.230769
                                                      225.000000
##
  58
       5.0000000
                   3.4414884
                               12.307692
                                          17.467630
                                                       30.346994
                   3.2000000
                                          23.318035
## 59
       4.0000000
                               12.125506
                                                      105.000000
## 60
       2.5000000
                   2.4434719
                               9.401709
                                          19.028495
                                                       76.098761
```

```
2.5000000
                   2.3756753
                              13.829186
                                          18.697202
                                                       50.000000
##
  62
       2.2500000
                   2.3562211
                              15.923077
                                          42.964733
                                                      157.768551
       0.0000000
                   2.1678419
##
  63
                              32.307692
                                          51.256074 1353.571217
       2.0000000
                   2.0000000
                                4.423077
##
  64
                                           8.006795
                                                       56.538703
##
   65
       2.0000000
                   1.9314030
                                3.999173
                                           8.150286
                                                       20.400000
   66
       2.0400000
                   1.8900000
                                5.000000
                                          10.693658
                                                       29.187787
##
##
  67
       1.3666667
                   1.7906767
                                4.358974
                                          10.232256
                                                       21.844868
## 68 24.0000000
                   1.7323382
                               38.974359
                                          75.916280
                                                      284.000000
##
  69
       2.0000000
                   1.7244982
                                3.974359
                                           6.405436
                                                       28.500000
##
  70
       1.4500000
                   1.5404683
                              56.698718
                                          98.898748
                                                      532.936697
##
   71
       1.6000000
                   1.5153207
                                9.772080
                                          15.156896
                                                       62.000000
##
   72
       1.5375000
                   1.3361029
                                7.211538
                                          14.166559
                                                       61.250641
##
   73
       0.9666667
                   1.2854938
                                5.076230
                                           8.211908
                                                       13.213797
                                          25.947947
##
  74
       2.5250000
                   1.2500000
                               15.032051
                                                      263.900000
                                5.025641
##
  75
       1.1666667
                   1.1250000
                                           7.117151
                                                        6.478495
##
  76
       0.000000
                   1.1017546
                                5.192308
                                           9.591751
                                                       30.000000
##
  77
       0.7400000
                   1.0976053
                                4.642375
                                           6.365278
                                                        8.462817
##
   78
       2.0000000
                   1.0944451
                                6.794872
                                          17.542655
                                                       58.324810
##
   79
       1.1285714
                   0.9928571
                                3.205128
                                           5.702274
                                                       32.380952
##
   80
       1.0000000
                   0.9590511
                                1.846154
                                           2.995527
                                                       10.576325
##
  81
       0.8000000
                   0.5602628
                                4.615385
                                           7.561973
                                                       33.500000
  82
       0.8000000
                   0.5216551
                               46.713287
                                          63.316516
##
                                                      166.973534
## 83
       0.2400000
                   0.4686347
                               12.307692
                                          23.581509
                                                       78.627185
##
  84
       0.7500000
                   0.4522064
                               31.410256
                                          52.530587
                                                      168.124052
##
  85
       1.2000000
                   0.4521883
                                8.410256
                                          15.766960
                                                       72.000000
##
  86
       0.400000
                   0.4456327
                                2.307692
                                           3.795814
                                                       11.187809
       0.7500000
                   0.4250000
                                5.769231
                                          12.798386
                                                       90.130721
##
  87
##
   88
       0.4000000
                   0.3164274
                                4.807692
                                           7.710247
                                                       40.000000
                   0.1892365
                                2.521368
##
   89
       0.5500000
                                           4.744768
                                                       22.250000
##
  90
       0.0000000
                   0.0000000
                                0.000000
                                           0.00000
                                                        0.000000
## 91
       0.0000000
                   0.0000000
                                0.000000
                                           0.000000
                                                        0.000000
##
   92
       0.0000000
                   0.0000000
                                0.000000
                                           0.00000
                                                        0.00000
##
   93
       0.000000
                   0.000000
                               64.423077 122.498725
                                                      870.009515
##
  94
       0.000000
                   0.000000
                                0.00000
                                           0.00000
                                                        0.00000
##
  95
       0.0000000
                   0.0000000
                                0.00000
                                           0.00000
                                                        0.000000
```

Low x High income - Pleasantness

100 iterations

Features that prop. of times p-value < 0.05 is greater than 70% - parked cars, diff buildings, basic colors, accent colors, lights, graffiti, build diff ages, debris, landscape, pavement, prop. street wall, prop. sky, street width, sidewalk width, building height

```
## [1] "Prop. of p-values < 0.05 - mov cars 0.29"
## [1] "Prop. of p-values < 0.05 - park cars 0.73"
## [1] "Prop. of p-values < 0.05 - cyclists 0.03"
## [1] "Prop. of p-values < 0.05 - build ident 0.23"
## [1] "Prop. of p-values < 0.05 - build n rect 0.29"
## [1] "Prop. of p-values < 0.05 - trees 0.66"
## [1] "Prop. of p-values < 0.05 - small planters 0.18"
## [1] "Prop. of p-values < 0.05 - diff buildings 0.77"
## [1] "Prop. of p-values < 0.05 - furniture 0.64"
## [1] "Prop. of p-values < 0.05 - bas col 0.76"</pre>
```

```
## [1] "Prop. of p-values < 0.05 - acce col 0.79"
## [1] "Prop. of p-values < 0.05 - lig 0.62"
## [1] "Prop. of p-values < 0.05 - peop 0.54"
## [1] "Prop. of p-values < 0.05 - graffiti 0.84"
## [1]
      "Prop. of p-values < 0.05 - build diff ages 0.81"
## [1] "Prop. of p-values < 0.05 - debris 0.8"
## [1] "Prop. of p-values < 0.05 - landscape 0.81"
      "Prop. of p-values < 0.05 - pavement 0.83"
       "Prop. of p-values < 0.05 - prop street wall 0.88"
      "Prop. of p-values < 0.05 - window 0.4"
## [1]
## [1] "Prop. of p-values < 0.05 - prop sky ahead 0.78"
      "Prop. of p-values < 0.05 - prop sky across 0.77"
## [1] "Prop. of p-values < 0.05 - prop active use 0.88"
## [1] "Prop. of p-values < 0.05 - street width 0.87"
## [1] "Prop. of p-values < 0.05 - sidewalk width 0.85"
## [1] "Prop. of p-values < 0.05 - building height 0.82"
##
      diff
                                                                     image_url
## 1
        24
                       centro/Avenida_Presidente_Getulio_Vargas__395__90.jpg
## 2
                                       liberdade/Rua_Edesio_Silva__602__0.jpg
       -19
##
  3
       -19
                                       catole/Rua_Olegario_Mariano__139_O.jpg
## 4
        36
                                           centro/Rua_Elias_Aforas__67__0.jpg
## 5
       -35
                                     centro/Avenida_Dom_Pedro_II__500_270.jpg
## 6
                                  liberdade/Rua_Espirito_Santo__1288__180.jpg
        29
                       centro/Avenida_Presidente_Getulio_Vargas__271__90.jpg
##
## 8
                                   catole/Rua_Doutor_Antonio_Telha__235_0.jpg
        13
## 9
                                  centro/Avenida_Barao_Rio_Branco__141_90.jpg
        23
## 10
                                       centro/Rua_Quebra_Quilos__399__270.jpg
        13
                                       liberdade/Rua_Odon_Bezerra__147_90.jpg
## 11
       -32
## 12
                           catole/Rua_Deputado_Ascendino_Moura__101__270.jpg
        14
## 13
        20
                                               liberdade/Rua_Acre__635_90.jpg
                            catole/Rua_Deputado_Ascendino_Moura__101__90.jpg
## 14
       -22
## 15
       -19
                                          liberdade/Rua_Riachuelo__847__0.jpg
                                        liberdade/Rua_Riachuelo__455__180.jpg
## 16
       -11
## 17
       -15
                           centro/Rua_Coronel_Salvino_Figueiredo__251_90.jpg
                         catole/Rua_Sebastiao_Vieira_da_Silva__1273__180.jpg
## 18
       -21
                                         centro/Rua_Felix_Araujo__48__270.jpg
## 19
       -35
## 20
         9
                                   catole/Rua_Aluisio_Cunha_Linha__50__90.jpg
## 21
         9
                                          centro/Rua_Felix_Araujo__48__90.jpg
                               liberdade/Rua_Severino_Pimentel__439__180.jpg
## 22
       -14
## 23
                                     catole/Rua_Olegario_Mariano__139_270.jpg
        -8
## 24
       -21
                               liberdade/Rua_Padre_Pedro_Serrao__336__270.jpg
## 25
                                liberdade/Rua_Padre_Pedro_Serrao__207__90.jpg
        19
                                        liberdade/Rua_Riachuelo__847__180.jpg
## 26
        14
## 27
                        liberdade/Avenida_Assis_Chateaubriand__1334__180.jpg
       -12
## 28
        -7
                 catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_90.jpg
##
  29
       -11
                                         centro/Rua_Augusto_Severo__71_90.jpg
## 30
                          liberdade/Avenida_Assis_Chateaubriand__1334__0.jpg
       -14
## 31
                                  centro/Rua_Pedro_Alvares_Cabral__129_90.jpg
        20
## 32
         7
                                         centro/Rua_Felix_Araujo__132__90.jpg
                                     liberdade/Rua_Odon_Bezerra__388__270.jpg
## 33
        12
## 34
         8
                                            liberdade/Rua_Sergipe__1337_0.jpg
## 35
       -21
                           catole/Rua_Cristina_Procopio_da_Silva__62__90.jpg
                                      catole/Rua_Olegario_Mariano__139_90.jpg
## 36
         6
```

```
## 37
       -18
                                      centro/Avenida_Dom_Pedro_II__500_90.jpg
## 38
        -5
                                          liberdade/Rua_Riachuelo__930__0.jpg
  39
##
        11
                          catole/Rua Cristina Procopio da Silva 62 270.jpg
                         centro/Avenida_Presidente_Joao_Pessoa__128__180.jpg
##
  40
        15
## 41
         5
                                     catole/Rua_Honorio_de_Melo__240__270.jpg
## 42
         5
            catole/Rua Doutor Antonio Telha - Catole Campina Grande 90.jpg
## 43
         9
                                   catole/Rua Luisa Bezerra Mota 246 270.jpg
                                liberdade/Rua Severino Pimentel 321 180.jpg
## 44
         8
                                           centro/Rua_Elias_Aforas__202_0.jpg
## 45
         8
                                     centro/Rua_Capitao_Joao_de_Sa__45__0.jpg
## 46
       -24
## 47
        14
                                       liberdade/Rua_Odon_Bezerra__306_90.jpg
                                     centro/Avenida_Dom_Pedro_II__119_270.jpg
## 48
        16
##
  49
        11
                                  liberdade/Rua_Santa_Catarina__1231__180.jpg
## 50
                            catole/Rua_Sebastiao_Vieira_da_Silva__1273__0.jpg
         8
## 51
        -4
                                 centro/Avenida_Barao_Rio_Branco__141_270.jpg
## 52
        10
                                  catole/Rua_Doutor_Antonio_Telha__68__90.jpg
## 53
        -5
                                       catole/Rua_Vigario_Calixto__1201_0.jpg
## 54
         5
                                    liberdade/Rua Espirito Santo 1288 0.jpg
                                      liberdade/Rua_Odon_Bezerra__306_270.jpg
## 55
       -11
## 56
        -6
                                 liberdade/Rua_Severino_Pimentel__511_270.jpg
## 57
        37
                                liberdade/Rua_Padre_Pedro_Serrao__353__90.jpg
## 58
                      centro/Avenida_Presidente_Getulio_Vargas__395__270.jpg
        -6
## 59
                                  liberdade/Rua_Severino_Pimentel__321__0.jpg
       -17
                                      liberdade/Rua_Odon_Bezerra__147_270.jpg
## 60
         3
                      centro/Avenida_Presidente_Getulio_Vargas__271__270.jpg
##
  61
       -14
##
   62
       -15
                                      centro/Avenida_Dom_Pedro_II__119_90.jpg
##
   63
        -5
                                      liberdade/Rua_Odon_Bezerra__388__90.jpg
   64
         2
                                          liberdade/Rua_Riachuelo__455__0.jpg
##
                                   centro/Rua_Capitao_Joao_de_Sa__45__180.jpg
##
  65
        -2
                                   catole/Rua_Joao_Francisco_Mota__64__90.jpg
## 66
         2
## 67
         5
                                     catole/Rua_Olegario_Mariano__139_180.jpg
## 68
        -4
                                   centro/Rua_Manoel_P._de_Araujo__150_90.jpg
                                  liberdade/Rua_Severino_Pimentel__511_90.jpg
## 69
        19
## 70
                           centro/Rua_Coronel_Salvino_Figueiredo__251_270.jpg
        -6
  71
##
        -9
                      centro/Avenida_Presidente_Getulio_Vargas__210__180.jpg
## 72
                        centro/Avenida_Presidente_Getulio_Vargas__210__0.jpg
       -14
## 73
        -3
                                     liberdade/Rua Edesio Silva 602 180.jpg
## 74
        -2
                               liberdade/Rua_Padre_Pedro_Serrao__207__270.jpg
## 75
        -2
                                  centro/Rua_Manoel_P._de_Araujo__370_180.jpg
## 76
                                  centro/Rua_Manoel_P._de_Araujo__150_270.jpg
         5
  77
                                          centro/Rua Augusto Severo 71 0.jpg
        14
                                        centro/Rua_Felix_Araujo__132__270.jpg
## 78
         2
        -2
                                         centro/Rua_Joao_da_Mata__490_270.jpg
##
   79
  80
        -7
                                 centro/Rua_Pedro_Alvares_Cabral__129_180.jpg
##
## 81
         2
                           centro/Avenida_Presidente_Joao_Pessoa__128__90.jpg
           catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__270.jpg
## 82
         2
## 83
                                      catole/Rua_Honorio_de_Melo__240__90.jpg
## 84
         2
                                        centro/Rua_Quebra_Quilos__399__90.jpg
## 85
         1
                                 centro/Rua_Doutor_Severino_Cruz__411__90.jpg
         1
                                           liberdade/Rua_Sergipe__1337_90.jpg
## 86
## 87
        -1
                  catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_0.jpg
## 88
         1
                                centro/Rua_Doutor_Severino_Cruz__411__270.jpg
## 89
        -1
                                    centro/Rua_Manoel_P._de_Araujo__370_0.jpg
## 90
                              catole/Rua_Inacio_Marques_da_Silva__434_270.jpg
```

```
## 91
        -6
                                        centro/Rua_Elias_Aforas__202_180.jpg
## 92
        -2
                                   catole/Rua_Otacilio_Nepomuceno__76_90.jpg
                                             liberdade/Rua_Acre__635_270.jpg
## 93
        0
        7
                             catole/Rua_Inacio_Marques_da_Silva__434_90.jpg
## 94
##
  95
                                       liberdade/Rua_Riachuelo__930__180.jpg
                                       {\tt diffBuild}
##
      V3.Baixa V3.Media
                           parkCars
                                                     basCol
                                                                accenCol
     5.109530 5.866518 0.8114225957 0.230160874 0.349187677 0.187963583
     6.144869 5.358788 0.0295722222 0.182210692 0.184293496 0.223206754
     5.528495 4.908990 0.0197148148 0.161965060 0.092146748 0.111603377
     4.361224 5.275300 1.1878694744 0.278466243 0.349187677 0.422918061
     5.359675 4.346479 0.5764477357 0.447535034 0.339488019 0.411170337
     4.320780 4.943254 0.0000000000 0.278111057 0.421935110 0.340683994
## 6
     3.568987 4.353867 0.3856840353 0.201390765 0.300178880 0.363561140
     4.461448 4.846665 0.2954109358 0.193931848 0.126095550 0.305440822
## 9 4.978363 5.638445 0.8633287946 0.245078709 0.193346510 0.189138355
## 10 5.548587 6.203400 0.1034163094 0.142300642 0.126095550 0.152720411
## 11 5.469229 4.658700 0.0328112953 0.613762332 0.310389046 0.187963583
## 12 4.731301 5.051865 0.0508434698 0.069616561 0.067897604 0.082234067
## 13 5.259284 5.858779 0.0000000000 0.255734305 0.290989731 0.352431717
## 14 5.346715 4.769080 0.0822168423 0.281307735 0.000000000 0.000000000
## 15 5.908035 5.216859 0.2359491012 0.161965060 0.184293496 0.055801689
## 16 5.795946 5.409746 0.0002494685 0.105490401 0.213392469 0.064612482
## 17 4.689097 4.339459 0.1867719299 0.087908667 0.169744010 0.088107929
## 18 4.828094 4.297533 0.0261480702 0.164096179 0.254616014 0.185026652
## 19 4.859728 3.851259 0.7097333338 0.223767517 0.509232029 0.822340674
## 20 4.496448 4.819186 0.0016809474 0.057540219 0.071215908 0.063994180
## 21 3.543950 3.907057 0.2992324750 0.153440583 0.130945379 0.211459030
## 22 5.260418 4.840767 0.0473187569 0.089507007 0.135795208 0.164468135
## 23 7.916330 6.084309 0.0809345030 0.076151993 0.077597262 0.093981791
## 24 5.424666 4.866535 0.1281791279 0.290897772 0.254616014 0.308377753
## 25 4.632740 5.102187 0.0719401155 0.161965060 0.276440244 0.334810132
## 26 5.421971 5.992299 0.0871602340 0.119342676 0.135795208 0.164468135
## 27 4.465951 4.188617 0.1694613608 0.089507007 0.072747433 0.070486343
## 28 5.630634 5.569655 0.0762652047 0.044753503 0.056581337 0.082234067
## 29 4.423967 4.010938 0.3383648996 0.164096179 0.106696235 0.161531204
## 30 4.114943 3.515821 0.0874478879 0.149178345 0.158427742 0.109645423
## 31 3.938970 4.640256 0.0399085320 0.255734305 0.290989731 0.352431717
## 32 3.471289 3.843143 0.1961105264 0.104424841 0.135795208 0.164468135
## 33 4.503982 4.889688 0.0674573015 0.204587444 0.174593838 0.211459030
## 34 4.426196 4.709639 0.0430796802 0.051146861 0.155194523 0.187963583
## 35 6.074835 5.272866 0.0017059986 0.290897772 0.305539217 0.308377753
## 36 5.554784 6.017476 0.0000000000 0.038360146 0.058197946 0.035243172
## 37 5.978741 5.289637 0.4295754389 0.172620656 0.174593838 0.211459030
## 38 5.408036 5.117389 0.0249029240 0.053277980 0.064664385 0.058738620
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                                                      156.611405
##
   28
       3.7333333
                   6.87676298 25.576923
                                          29.478544
                                                      133.708299
##
   29
      11.0000000
                   6.73287301 18.803419
                                          23.921536
                                                      224.927236
##
   30
       7.0000000
                   6.65189085 38.721719
                                          52.352165
                                                      140.000000
##
   31
       7.6000000
                   6.60000000 37.435897
                                          44.011426
                                                      294.169575
##
   32
       7.0000000
                   6.57672876 12.275641
                                          26.344983
                                                       84.000000
##
   33
       6.000000
                   6.10886812 30.769231
                                          56.180484
                                                      163.138975
##
   34
       6.000000
                   5.90000000 17.692308
                                          29.061701
                                                      123.411801
                   5.74583662 35.673077
##
                                          92.098937
                                                      306.205255
   35
      10.5000000
                                          16.468951
##
   36
       6.0000000
                   5.41605057 14.615385
                                                       59.137137
##
   37
       9.000000
                   5.04625767 30.000000
                                          71.942137
                                                      165.140815
##
   38
       0.5000000
                   5.00000000 11.538462
                                          20.758358
                                                       50.000000
##
   39
       3.3000000
                   4.94885408 13.538462
                                          39.163564
                                                       85.857062
                                          54.389488
##
   40
       7.5000000
                   4.82600926 15.384615
                                                      265.969721
                   4.78197425 11.965812
                                          17.124558
                                                      109.066822
##
  41
       5.0000000
##
   42
       5.0000000
                   4.76826273 13.675214
                                          21.215941
                                                       36.241138
##
  43
       8.1000000
                   4.75648068 26.346154
                                          57.583367
                                                       94.724179
##
   44
       5.4000000
                   4.60000000 16.410256
                                          28.468605
                                                      142.168652
##
   45
       5.6000000
                   4.55587093 14.358974
                                          25.305427
                                                      100.866001
##
   46
       8.6571429
                   4.28571429 51.538462
                                          88.964391
                                                      904.800000
##
   47
       7.9333333
                   4.20000000 35.897436
                                          60.891183
                                                      388.500000
##
                   4.16000000 38.974359
                                          85.405815
   48
       5.4400000
                                                      480.000000
##
   49
       0.0000000
                   4.03976682 19.038462
                                          35.169754
                                                      110.000000
##
   50
       4.0000000
                   3.90955506 15.042735
                                          30.445592
                                                      121.758017
##
   51
       4.000000
                   3.83620429
                               7.384615
                                          11.982109
                                                       42.305300
##
                   3.77413011 20.940171
                                          19.409891
   52
       6.666667
                                                      192.436417
                                          17.792878
##
   53
       3.5000000
                   3.31250000 14.423077
                                                       61.487171
##
   54
       3.5000000
                   3.25000000 7.852564
                                          23.353153
                                                       53.928571
##
   55
       4.4000000
                   3.08144541 25.384615
                                          41.590853
                                                      184.250000
##
  56
       3.0000000
                   2.97620972 13.333333
                                          20.165262
                                                       60.000000
##
   57
       1.4800000
                   2.88991402 75.897436 145.419307
                                                      484.867640
##
   58
                   2.70000000 13.076923
                                          26.689317
       3.0000000
                                                       75.000000
##
   59
       3.4000000
                   2.68963274 40.865385
                                          65.537101
                                                      340.000000
##
   60
       0.0000000
                   2.56430057
                               6.410256
                                          12.781406
                                                       45.000000
##
   61
       5.6000000
                   2.47201788 32.307692
                                          63.658964
                                                      207.019956
##
   62
       0.0000000
                   2.32268771 34.615385
                                          54.917223
                                                     1450.254875
##
   63
       3.0625000
                   2.31250000 12.820513
                                          19.769865
                                                       53.416030
##
   64
       2.0000000
                   2.00000000
                               3.418803
                                           5.038410
                                                       16.666667
##
   65
       2.0000000
                   2.00000000
                               4.423077
                                           8.006795
                                                       56.538703
##
   66
       2.0000000
                   1.93140299
                               3.999173
                                           8.150286
                                                       20.400000
##
   67
       2.2500000
                   1.80617313 10.256410
                                          10.165869
                                                       83.080003
       2.0500000
                   1.78147055
                               9.615385
                                          18.888745
##
   68
                                                       81.667522
##
   69
                   1.37143442 30.854701
                                          60.100388
      19.0000000
                                                      224.833333
##
  70
       2.4000000
                   1.33604104 11.794872
                                          17.792878
                                                      735.000000
## 71
                   1.31090383 9.000000
                                          41.076954
       0.4500000
                                                      150.883204
       2.1000000
                  1.19000000 16.153846
                                          35.835481
                                                      252.366018
```

```
1.5000000
                  1.17888896
                              6.923077
                                         12.639050
                                                      32.289474
## 74
       1.3333333
                  1.06666667
                               4.041835
                                          7.772678
                                                      35.000000
                                                      32.380952
## 75
       1.1285714
                  0.99285714
                              3.205128
                                          5.702274
##
       2.7500000
                  0.94618265 12.606838
                                         23.723838
  76
                                                     111.250000
##
  77
       0.7000000
                  0.91065346 19.743590
                                         14.000000
                                                     196.000000
##
  78
       0.9090909
                  0.87763493
                              4.551282
                                          5.287143
                                                      38.991801
  79
       1.0000000
                  0.87318051
                              4.423077
                                          7.413699
                                                      26.127506
## 80
       2.1000000
                  0.79132949 14.717949
                                         27.592180
                                                     126.000000
## 81
       0.3000000
                  0.73730430
                               3.461538
                                          9.401743
                                                     139.890492
## 82
       0.5000000
                  0.73350851
                               2.179487
                                          3.142320
                                                      13.813574
## 83
       1.0000000
                  0.73344873
                               5.128205
                                          9.523335
                                                      35.235136
## 84
       0.7333333
                  0.66666667
                               5.544872
                                          7.413699
                                                      35.000000
##
  85
       0.4833333
                  0.64274691
                               2.538115
                                          4.105954
                                                       6.606899
##
  86
       0.6800000
                  0.63000000
                               1.666667
                                          3.564553
                                                       9.729262
                               2.905983
## 87
                  0.50000000
       0.5000000
                                          5.930959
                                                      19.485734
## 88
       0.6400000
                  0.49087999
                               2.564103
                                          3.649435
                                                       6.789226
##
  89
       0.5181818
                  0.35423540
                               1.709402
                                          3.756274
                                                      13.000000
##
  90
       0.3500000
                  0.19598852
                              2.384005
                                          4.473633
                                                       8.325562
## 91
       0.3000000
                  0.18088257 12.564103
                                         21.012235
                                                      67.249621
## 92
       0.1000000
                  0.06520688
                              5.839161
                                          7.914565
                                                      20.871692
## 93
       0.0000000
                  0.0000000 0.000000
                                          0.000000
                                                       0.000000
                  0.00000000 15.032051
                                         28.583036
       0.0000000
                                                    203.002220
       0.0000000
                  0.0000000 0.000000
## 95
                                          0.000000
                                                       0.000000
```

Men x Women - Safety

100 iterations

Features that prop. of times p-value < 0.05 is greater than 70% - diff buildings, basic colors, accent colors, graffiti, build diff ages, debris, landscape, pavement, prop. street wall, prop. sky, street width, sidewalk width, building height

```
## [1] "Prop. of p-values < 0.05 - mov cars 0.14"
## [1] "Prop. of p-values < 0.05 - park cars 0.53"
## [1] "Prop. of p-values < 0.05 - cyclists 0.03"
## [1] "Prop. of p-values < 0.05 - build ident 0.23"
  [1] "Prop. of p-values < 0.05 - build n rect 0.25"
  [1] "Prop. of p-values < 0.05 - trees 0.58"
  [1] "Prop. of p-values < 0.05 - small planters 0.12"
## [1] "Prop. of p-values < 0.05 - diff buildings 0.72"
## [1] "Prop. of p-values < 0.05 - furniture 0.57"
## [1] "Prop. of p-values < 0.05 - bas col 0.76"
## [1] "Prop. of p-values < 0.05 - acce col 0.8"
  [1] "Prop. of p-values < 0.05 - lig 0.47"
  [1] "Prop. of p-values < 0.05 - peop 0.32"
  [1] "Prop. of p-values < 0.05 - graffiti 0.9"
  [1] "Prop. of p-values < 0.05 - build diff ages 0.77"
  [1] "Prop. of p-values < 0.05 - debris 0.85"
## [1] "Prop. of p-values < 0.05 - landscape 0.8"
## [1] "Prop. of p-values < 0.05 - pavement 0.71"
## [1] "Prop. of p-values < 0.05 - prop street wall 0.76"
## [1] "Prop. of p-values < 0.05 - window 0.22"
## [1] "Prop. of p-values < 0.05 - prop sky ahead 0.73"
## [1] "Prop. of p-values < 0.05 - prop sky across 0.74"
```

```
## [1] "Prop. of p-values < 0.05 - prop active use 0.76"
## [1] "Prop. of p-values < 0.05 - street width 0.85"
## [1] "Prop. of p-values < 0.05 - sidewalk width 0.78"
## [1] "Prop. of p-values < 0.05 - building height 0.77"
##
      diff
                                                                     image_url
       -22
                                          centro/Rua_Felix_Araujo__48__90.jpg
## 1
## 2
        41
                                     liberdade/Rua Odon Bezerra 388 270.jpg
                                               liberdade/Rua_Acre__635_90.jpg
## 3
        34
                                       liberdade/Rua_Edesio_Silva__602__0.jpg
## 4
       -19
## 5
                                 centro/Avenida_Barao_Rio_Branco__141_270.jpg
       -18
## 6
       -17
                                   catole/Rua_Joao_Francisco_Mota__64__90.jpg
## 7
       -23
                            centro/Rua_Coronel_Salvino_Figueiredo__251_90.jpg
## 8
        15
                                      catole/Rua_Olegario_Mariano__139_90.jpg
## 9
       -13
                                   centro/Rua Capitao Joao de Sa 45 180.jpg
## 10
        15
                                      liberdade/Rua_Odon_Bezerra__147_270.jpg
        29
                         catole/Rua_Sebastiao_Vieira_da_Silva__1273__180.jpg
## 11
## 12
                                    liberdade/Rua_Espirito_Santo__1288__0.jpg
        19
## 13
       -20
                                         centro/Rua_Augusto_Severo__71_90.jpg
                                        liberdade/Rua_Riachuelo__455__180.jpg
## 14
       -13
                                centro/Rua_Doutor_Severino_Cruz__411__270.jpg
## 15
       -22
## 16
       -15
                       centro/Avenida_Presidente_Getulio_Vargas__271__90.jpg
                               liberdade/Rua_Padre_Pedro_Serrao__207__270.jpg
## 17
        19
                                   catole/Rua_Doutor_Antonio_Telha__235_0.jpg
## 18
       -10
                                        centro/Rua_Quebra_Quilos__399__90.jpg
## 19
       -29
## 20
       -22
                                        centro/Rua_Felix_Araujo__132__270.jpg
## 21
       -10
                                       centro/Rua_Quebra_Quilos__399__270.jpg
## 22
                                         centro/Rua_Felix_Araujo__132__90.jpg
        10
                                      catole/Rua_Honorio_de_Melo__240__90.jpg
## 23
       -25
## 24
                               liberdade/Rua_Padre_Pedro_Serrao__336__270.jpg
        26
## 25
        16
                                           centro/Rua_Elias_Aforas__202_0.jpg
## 26
                            catole/Rua_Cristina_Procopio_da_Silva__62__90.jpg
        33
##
  27
         9
                       centro/Avenida_Presidente_Getulio_Vargas__395__90.jpg
## 28
        20
                                   centro/Rua_Manoel_P._de_Araujo__150_90.jpg
## 29
                                            liberdade/Rua_Sergipe__1337_0.jpg
       -12
                                         centro/Rua_Joao_da_Mata__490_270.jpg
## 30
       -20
##
  31
       -16
                                   catole/Rua_Luisa_Bezerra_Mota__246_270.jpg
##
   32
       -23
                                    centro/Rua_Manoel_P._de_Araujo__370_0.jpg
##
  33
         8
                                          liberdade/Rua_Riachuelo__930__0.jpg
                                liberdade/Rua_Severino_Pimentel__439__180.jpg
   34
##
       -14
                          liberdade/Avenida_Assis_Chateaubriand__1334__0.jpg
  35
##
       -16
                                           centro/Rua_Elias_Aforas__67__0.jpg
##
  36
        16
        14
                  catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_0.jpg
## 37
## 38
       -21
                                  centro/Rua_Pedro_Alvares_Cabral__129_90.jpg
                         liberdade/Avenida_Assis_Chateaubriand__1334__180.jpg
## 39
        12
## 40
         7
            catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__90.jpg
## 41
       -14
                                      liberdade/Rua_Odon_Bezerra__388__90.jpg
## 42
                                 liberdade/Rua_Severino_Pimentel__511_270.jpg
        13
                 catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_90.jpg
## 43
        -6
## 44
                                              liberdade/Rua_Acre__635_270.jpg
        13
## 45
        22
                                         centro/Rua_Felix_Araujo__48__270.jpg
       -10
                                liberdade/Rua_Severino_Pimentel__321__180.jpg
## 46
## 47
         6
                                     catole/Rua_Olegario_Mariano__139_270.jpg
                                       liberdade/Rua_Odon_Bezerra__147_90.jpg
## 48
        14
```

```
## 49
        29
                                     centro/Rua_Capitao_Joao_de_Sa__45__0.jpg
                                     liberdade/Rua_Edesio_Silva__602__180.jpg
## 50
        13
                                          liberdade/Rua Riachuelo 455 0.jpg
## 51
         5
                                     centro/Avenida_Dom_Pedro_II__500_270.jpg
## 52
       -11
##
   53
                                        liberdade/Rua_Riachuelo__847__180.jpg
  54
       -10
                      centro/Avenida_Presidente_Getulio_Vargas__395__270.jpg
##
                                       catole/Rua Olegario Mariano 139 O.jpg
## 55
         5
                      centro/Avenida_Presidente_Getulio_Vargas__271__270.jpg
## 56
       -25
                                liberdade/Rua_Padre_Pedro_Serrao__207__90.jpg
## 57
        11
## 58
        14
                                       liberdade/Rua_Odon_Bezerra__306_90.jpg
                                       catole/Rua_Vigario_Calixto__1201_0.jpg
##
  59
        -6
        25
                                  liberdade/Rua_Severino_Pimentel__321__0.jpg
  60
##
                      centro/Avenida_Presidente_Getulio_Vargas__210__180.jpg
##
   61
       -27
  62
                                  liberdade/Rua_Espirito_Santo__1288__180.jpg
##
        -7
##
  63
       -10
                           centro/Avenida_Presidente_Joao_Pessoa__128__90.jpg
##
   64
       -10
                                     catole/Rua_Olegario_Mariano__139_180.jpg
                              catole/Rua_Inacio_Marques_da_Silva__434_270.jpg
##
   65
       -18
##
   66
         7
                             catole/Rua Deputado Ascendino Moura 101 90.jpg
   67
        -7
                                  centro/Rua_Manoel_P._de_Araujo__370_180.jpg
##
##
   68
         6
                            catole/Rua_Sebastiao_Vieira_da_Silva__1273__0.jpg
##
  69
         5
                                  centro/Avenida_Barao_Rio_Branco__141_90.jpg
## 70
         4
                                          liberdade/Rua_Riachuelo__847__0.jpg
## 71
                           catole/Rua_Cristina_Procopio_da_Silva__62__270.jpg
        -5
                                     catole/Rua_Honorio_de_Melo__240__270.jpg
        -2
##
  72
         2
## 73
                            catole/Rua_Deputado_Ascendino_Moura__101__270.jpg
  74
         6
                                     centro/Avenida_Dom_Pedro_II__119_270.jpg
  75
         2
           catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__270.jpg
##
##
   76
        -6
                                  centro/Rua_Manoel_P._de_Araujo__150_270.jpg
## 77
        17
                                          centro/Rua_Augusto_Severo__71_0.jpg
## 78
         7
                                      centro/Avenida_Dom_Pedro_II__119_90.jpg
## 79
       -13
                                liberdade/Rua_Padre_Pedro_Serrao__353__90.jpg
##
  80
        -1
                                   catole/Rua_Aluisio_Cunha_Linha__50__90.jpg
                         centro/Avenida_Presidente_Joao_Pessoa__128__180.jpg
##
  81
        -3
                                  liberdade/Rua_Severino_Pimentel__511_90.jpg
##
  82
       -11
##
   83
        -2
                                  catole/Rua_Doutor_Antonio_Telha_68_90.jpg
##
   84
                          centro/Rua_Coronel_Salvino_Figueiredo__251_270.jpg
        -3
##
  85
         9
                                        liberdade/Rua Riachuelo 930 180.jpg
## 86
                                  liberdade/Rua_Santa_Catarina__1231__180.jpg
         1
## 87
         3
                                 centro/Rua_Pedro_Alvares_Cabral__129_180.jpg
## 88
                                      centro/Avenida_Dom_Pedro_II__500_90.jpg
         1
  89
                                      liberdade/Rua Odon Bezerra 306 270.jpg
        -1
## 90
        -3
                        centro/Avenida_Presidente_Getulio_Vargas__210__0.jpg
         7
                                    catole/Rua_Otacilio_Nepomuceno__76_90.jpg
## 91
         5
## 92
                                         centro/Rua_Elias_Aforas__202_180.jpg
                                 centro/Rua_Doutor_Severino_Cruz__411__90.jpg
## 93
         0
         7
                               catole/Rua_Inacio_Marques_da_Silva__434_90.jpg
## 94
##
  95
                                           liberdade/Rua_Sergipe__1337_90.jpg
                                                 basCol
##
      V3.Masculino V3.Feminino
                                  diffBuild
                                                            accenCol
## 1
          5.507064
                      5.064300 0.375076980 0.320088704 0.516899852 2.4444444
## 2
          4.776943
                      5.939109 0.699007100 0.596528948 0.722485021 4.5555556
## 3
                      5.125654 0.434748318 0.494682542 0.599133920 3.7777778
          4.296471
## 4
          4.921240
                      4.450564 0.182210692 0.184293496 0.223206754 2.1111111
          5.876528
## 5
                      5.463236 0.140653868 0.174593838 0.211459030 2.0000000
                      4.639980 0.253603186 0.164894181 0.199711307 1.8888889
## 6
          5.024853
```

```
## 7
          4.348058
                      3.253620 0.134793290 0.260274148 0.135098825 2.5555556
                      5.249841 0.095900364 0.145494865 0.088107929 1.6666667
## 8
          4.794269
## 9
          4.010792
                      3.187110 0.110818199 0.126095550 0.229080616 1.4444444
                      5.853829 0.149178345 0.218242298 0.088107929 1.6666667
## 10
          5.201116
## 11
          3.974562
                      4.719528 0.226609009 0.351612591 0.255512995 3.2222222
                      4.823272 0.263193222 0.247341271 0.193837445 2.1111111
## 12
          4.350283
## 13
          4.783676
                      4.334377 0.298356689 0.193993154 0.293693098 2.2222222
## 14
          4.257344
                      3.472160 0.124670474 0.252191100 0.076360205 1.4444444
## 15
          6.053051
                      5.419192 0.328192358 0.106696235 0.129224963 2.4444444
## 16
          5.773461
                      5.476481 0.143850546 0.214413486 0.259686529 1.6666667
## 17
          3.783330
                      4.332714 0.121473795 0.184293496 0.223206754 2.1111111
                      3.527762 0.149178345 0.096996577 0.234954478 1.1111111
## 18
          4.257046
## 19
          5.640349
                      5.050542 0.309012285 0.281290073 0.170341997 3.2222222
## 20
          4.904695
                      4.397878 0.312564150 0.373436821 0.387674889 2.4444444
## 21
                      5.344722 0.109462032 0.096996577 0.117477239 1.1111111
          5.497838
## 22
          4.162609
                      4.377284 0.149178345 0.193993154 0.234954478 1.1111111
                      5.169863 0.293028891 0.223838254 0.254157489 2.7777778
## 23
          5.836069
          4.856178
                      5.598254 0.360159146 0.315238875 0.381801027 2.8888889
##
  24
                      3.998023 0.136391629 0.155194523 0.187963583 1.7777778
## 25
          3.637482
## 26
          4.704891
                      5.543499 0.457125070 0.480133056 0.484593611 3.6666667
## 27
          5.617186
                      6.512019 0.086310328 0.130945379 0.070486343 1.0000000
                      5.899629 0.447535034 0.387986308 0.352431717 2.2222222
## 28
          5.175021
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##
                           deb
                                     land
                                                 pav propStreetWall
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                                                         19.8000000
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                   propSkyAc
                                 streetW
                                            sidewalW
                                                        buildHei
                                                      715.000000
##
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   19
       10.633333
                   9.6666667
                               80.400641 107.498639
                                                      507.500000
##
   20
       10.000000
                   9.6539842
                               50.064103
                                          58.158578
                                                      428.909816
##
  21
        0.000000
                   9.6077499
                               30.341880
                                           41.109112
                                                      309.376552
  22
                   9.3953268
##
       10.000000
                               17.536630
                                           37.635689
                                                      120.000000
##
   23
       12.500000
                   9.1681091
                               64.102564 119.041693
                                                      440.439194
##
   24
       13.000000
                   9.1458903
                               50.666667
                                           80.186571
                                                      339.871197
##
   25
       11.200000
                   9.1117419
                               28.717949
                                           50.610853
                                                      201.732002
##
   26
       16.500000
                   9.0291718
                               56.057692
                                         144.726902
                                                      481.179686
##
   27
        9.000000
                   9.0000000
                               22.692308
                                           35.585756
                                                      206.030575
##
  28
       10.250000
                   8.9073527
                               48.076923
                                          94.443727
                                                      408.337608
## 29
        9.000000
                   8.8500000
                               26.538462
                                           43.592552
                                                      185.117701
## 30
       10.000000
                   8.7318051
                               44.230769
                                          74.136992
                                                      261.275057
```

```
14.400000
                   8.4559657
                               46.837607 102.370431
                                                       168.398541
                                           86.394308
                                                       299.000000
##
       11.918182
                   8.1474142
                               39.316239
  32
##
   33
        0.800000
                   8.0000000
                               18.461538
                                           33.213373
                                                        80.000000
##
   34
        9.800000
                   7.8116354
                               33.653846
                                           43.592552
                                                       149.250957
##
   35
        8.000000
                   7.6021610
                               44.253394
                                           59.831046
                                                       160.000000
##
  36
        1.600000
                   7.1894410
                               33.333333
                                           64.054361
                                                       389.893992
                   7.0000000
##
  37
        7.000000
                               40.683761
                                           83.033431
                                                       272.800269
        7.980000
##
  38
                   6.9300000
                               39.307692
                                           46.211997
                                                       308.878054
##
   39
        8.400000
                   6.9000000
                               30.000000
                                           47.151127
                                                       156.611405
##
  40
        7.000000
                   6.6755678
                               19.145299
                                           29.702318
                                                        50.737593
##
  41
        8.575000
                   6.4750000
                               35.897436
                                           55.355621
                                                       149.564884
##
   42
        6.500000
                   6.4484544
                               28.888889
                                           43.691401
                                                       130.000000
##
   43
        3.200000
                   5.8943683
                               21.923077
                                           25.267323
                                                       114.607113
                                                       145.441521
##
   44
        5.200000
                   5.7932255
                               30.000000
                                           49.345582
                   5.7596516
##
  45
        5.500000
                               38.923077 105.024902
                                                       385.656457
##
   46
        6.750000
                   5.7500000
                               20.512821
                                           35.585756
                                                       177.710815
        6.000000
                   5.6027318
                                           27.345289
##
  47
                               14.531773
                                                        27.031416
##
        5.600000
                   5.3036225
                               34.202279
                                           53.049137
                                                       217.000000
   48
##
   49
       10.460714
                   5.1785714
                               62.275641 107.498639
                                                     1093.300000
##
   50
        6.500000
                   5.1085188
                               30.000000
                                           54.769215
                                                       139.921053
##
  51
        5.000000
                   5.000000
                                8.547009
                                           12.596025
                                                        41.666667
                   4.9500000
                                           45.668387
## 52
        6.600000
                               21.153846
                                                       339.342649
## 53
        4.500000
                   4.5472183
                               21.923077
                                           35.585756
                                                       114.460525
##
  54
        5.000000
                   4.5000000
                               21.794872
                                           44.482195
                                                       125.000000
## 55
        3.416667
                   4.4766918
                               10.897436
                                           25.580639
                                                        54.612170
##
  56
       10.000000
                   4.4143176
                               57.692308 113.676722
                                                       369.678493
                   4.2166667
##
   57
        7.150000
                               23.504274
                                           44.581045
                                                       275.000000
##
   58
        7.933333
                   4.2000000
                               35.897436
                                           60.891183
                                                       388.500000
                   3.9750000
##
   59
        4.200000
                               17.307692
                                           21.351454
                                                        73.784605
##
  60
        5.000000
                   3.9553423
                               60.096154
                                           96.378090
                                                       500.000000
##
   61
        1.350000
                   3.9327115
                               27.000000 123.230861
                                                       452.649611
##
   62
        3.500000
                   3.7633186
                               12.564103
                                           21.450303
                                                        75.833333
##
   63
        1.500000
                   3.6865215
                               17.307692
                                           47.008716
                                                       699.452459
##
   64
        4.500000
                   3.6123463
                               20.512821
                                           20.331738
                                                       166.160005
        6.300000
                   3.5277934
                               42.912088
                                           80.525399
##
   65
                                                       149.860125
##
   66
        3.500000
                   3.4930106
                               14.957265
                                           13.402782
                                                       110.282465
##
   67
        3.950000
                   3.4750000
                               11.217949
                                           19.957959
                                                       113.333333
  68
                   2.9321663
                               11.282051
                                           22.834194
##
        3.000000
                                                        91.318513
##
   69
        1.850000
                   2.7440132
                               11.605938
                                           15.913195
                                                        21.157043
##
  70
        2.333333
                   2.2500000
                               10.051282
                                           14.234303
                                                        12.956990
##
   71
        1.500000
                   2.2494791
                                6.153846
                                           17.801620
                                                        39.025937
        2.000000
##
   72
                   1.9127897
                                4.786325
                                            6.849823
                                                        43.626729
##
   73
        1.000000
                   1.6981108
                                4.871795
                                            7.754091
                                                        13.455838
##
  74
                   1.5600000
                                           32.027181
        2.040000
                               14.615385
                                                       180.000000
##
  75
        1.000000
                   1.4670170
                                4.358974
                                            6.284639
                                                        27.627148
##
  76
        3.300000
                   1.1354192
                               15.128205
                                           28.468605
                                                       133.500000
        0.850000
##
   77
                   1.1057935
                               23.974359
                                           17.000000
                                                       238.000000
##
  78
        0.000000
                   1.0839209
                               16.153846
                                           25.628037
                                                       676.785608
##
   79
        0.520000
                   1.0153752
                               26.666667
                                           51.093270
                                                       170.358901
##
   80
        1.000000
                   1.0000000
                                1.717949
                                            3.795814
                                                         9.871713
##
   81
                   0.9652019
                                3.076923
                                           10.877898
        1.500000
                                                        53.193944
##
  82
       11.000000
                   0.7939883
                               17.863248
                                           34.794962
                                                       130.166667
## 83
        1.333333
                   0.7548260
                                4.188034
                                            3.881978
                                                        38.487283
## 84
        1.200000
                   0.6680205
                                5.897436
                                            8.896439
                                                      367.500000
```

```
## 85
        0.450000
                  0.4780764
                              17.596154
                                          30.692715
                                                     165.394147
## 86
        0.000000
                  0.3672515
                               1.730769
                                           3.197250
                                                      10.000000
                                          11.825220
## 87
        0.900000
                  0.3391412
                               6.307692
                                                      54.000000
## 88
        0.500000
                  0.2803476
                                                       9.174490
                               1.666667
                                           3.996785
##
  89
        0.400000
                  0.2801314
                               2.307692
                                           3.780987
                                                      16.750000
## 90
        0.450000
                  0.2550000
                               3.461538
                                           7.679032
                                                      54.078432
## 91
        0.350000
                  0.2282241
                              20.437063
                                         27.700976
                                                      73.050921
## 92
        0.250000
                  0.1507355
                              10.470085
                                          17.510196
                                                      56.041351
## 93
        0.000000
                  0.0000000
                               0.000000
                                           0.000000
                                                       0.000000
## 94
        0.000000
                  0.0000000
                              15.032051
                                          28.583036
                                                     203.002220
## 95
        0.000000
                  0.0000000
                               0.000000
                                           0.000000
                                                       0.000000
```

Young x Adult - Safety

100 iterations

Features that prop. of times p-value < 0.05 is greater than 70% - diff buildings, basic colors, accent colors, graffiti, build diff ages, debris, landscape, pavement, prop. street wall, prop. sky, street width, sidewalk width, building height

```
## [1] "Prop. of p-values < 0.05 - mov cars 0.23"
## [1] "Prop. of p-values < 0.05 - park cars 0.62"
## [1] "Prop. of p-values < 0.05 - cyclists 0"
## [1] "Prop. of p-values < 0.05 - build ident 0.27"
## [1] "Prop. of p-values < 0.05 - build n rect 0.42"
## [1] "Prop. of p-values < 0.05 - trees 0.62"
## [1] "Prop. of p-values < 0.05 - small planters 0.32"
## [1] "Prop. of p-values < 0.05 - diff buildings 0.78"
## [1] "Prop. of p-values < 0.05 - furniture 0.68"
## [1] "Prop. of p-values < 0.05 - bas col 0.8"
## [1] "Prop. of p-values < 0.05 - acce col 0.77"
## [1] "Prop. of p-values < 0.05 - lig 0.5"
## [1] "Prop. of p-values < 0.05 - peop 0.51"
## [1] "Prop. of p-values < 0.05 - graffiti 0.84"
## [1] "Prop. of p-values < 0.05 - build diff ages 0.92"
## [1] "Prop. of p-values < 0.05 - debris 0.81"
## [1] "Prop. of p-values < 0.05 - landscape 0.78"
## [1] "Prop. of p-values < 0.05 - pavement 0.73"
## [1] "Prop. of p-values < 0.05 - prop street wall 0.83"
## [1] "Prop. of p-values < 0.05 - window 0.47"
## [1] "Prop. of p-values < 0.05 - prop sky ahead 0.81"
## [1] "Prop. of p-values < 0.05 - prop sky across 0.82"
## [1] "Prop. of p-values < 0.05 - prop active use 0.83"
## [1] "Prop. of p-values < 0.05 - street width 0.83"
## [1] "Prop. of p-values < 0.05 - sidewalk width 0.81"
## [1] "Prop. of p-values < 0.05 - building height 0.78"
##
      diff
                                                                    image_url
## 1
        32
                                        centro/Rua_Felix_Araujo__132__90.jpg
## 2
       -28
                                         liberdade/Rua_Riachuelo__930__0.jpg
            catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__90.jpg
## 3
       -27
                                         centro/Rua_Felix_Araujo__48__90.jpg
## 4
        20
## 5
       -20
                       centro/Avenida_Presidente_Getulio_Vargas__395__90.jpg
```

```
## 6
        20
                                     catole/Rua_Honorio_de_Melo__240__270.jpg
## 7
       -32
                                liberdade/Rua_Severino_Pimentel__321__180.jpg
## 8
        26
                                       catole/Rua_Vigario_Calixto__1201_0.jpg
                                  centro/Avenida_Barao_Rio_Branco__141_90.jpg
## 9
        30
## 10
       -25
                                         centro/Rua_Augusto_Severo__71_90.jpg
## 11
                        liberdade/Avenida_Assis_Chateaubriand__1334__180.jpg
        26
## 12
                      centro/Avenida Presidente Getulio Vargas 395 270.jpg
        33
## 13
                                        liberdade/Rua_Riachuelo__847__180.jpg
        29
                                     catole/Rua_Olegario_Mariano__139_270.jpg
## 14
        15
                                 liberdade/Rua_Severino_Pimentel__511_270.jpg
## 15
       -26
## 16
       -13
                                       centro/Rua_Quebra_Quilos__399__270.jpg
                                       liberdade/Rua_Edesio_Silva__602__0.jpg
  17
##
        13
                            centro/Rua_Coronel_Salvino_Figueiredo__251_90.jpg
##
  18
       -19
## 19
                       centro/Avenida_Presidente_Getulio_Vargas__271__90.jpg
        17
## 20
       -12
                                   catole/Rua_Joao_Francisco_Mota__64__90.jpg
## 21
       -26
                                              liberdade/Rua_Acre__635_270.jpg
## 22
        12
                                      catole/Rua_Olegario_Mariano__139_90.jpg
## 23
       -20
                                   catole/Rua Luisa Bezerra Mota 246 270.jpg
## 24
       -16
                                    liberdade/Rua_Espirito_Santo__1288__0.jpg
                                     centro/Avenida_Dom_Pedro_II__119_270.jpg
##
  25
       -38
##
  26
       -18
                              liberdade/Rua_Padre_Pedro_Serrao__207__270.jpg
##
  27
       -11
                                        liberdade/Rua_Riachuelo__455__180.jpg
                                   catole/Rua_Aluisio_Cunha_Linha__50__90.jpg
## 28
        -9
                                       catole/Rua_Olegario_Mariano__139_O.jpg
  29
##
        10
                                         centro/Rua_Joao_da_Mata__490_270.jpg
## 30
        20
##
   31
       -17
                                     liberdade/Rua_Odon_Bezerra__388__270.jpg
##
  32
       -17
                          liberdade/Avenida_Assis_Chateaubriand__1334__0.jpg
   33
                                  centro/Rua_Manoel_P._de_Araujo__150_270.jpg
##
        42
   34
                                            liberdade/Rua_Sergipe__1337_0.jpg
##
        10
   35
                           catole/Rua_Sebastiao_Vieira_da_Silva__1273__0.jpg
##
       -15
                                     centro/Avenida_Dom_Pedro_II__500_270.jpg
## 36
        16
##
  37
        10
                                 centro/Rua_Doutor_Severino_Cruz__411__90.jpg
  38
                                        centro/Rua_Quebra_Quilos__399__90.jpg
##
        19
## 39
        -7
                                      liberdade/Rua_Odon_Bezerra__147_270.jpg
##
  40
        17
                               liberdade/Rua_Padre_Pedro_Serrao__336__270.jpg
## 41
                                           centro/Rua_Elias_Aforas__67__0.jpg
       -13
## 42
       -31
                      centro/Avenida Presidente Getulio Vargas 271 270.jpg
## 43
        20
                                         centro/Rua_Felix_Araujo__48__270.jpg
## 44
        -5
                 catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_90.jpg
                                 centro/Avenida_Barao_Rio_Branco__141_270.jpg
         5
## 45
       -13
                                      catole/Rua Honorio de Melo 240 90.jpg
##
  46
                                      centro/Avenida_Dom_Pedro_II__119_90.jpg
##
  47
        30
                      centro/Avenida_Presidente_Getulio_Vargas__210__180.jpg
##
   48
       -29
        -8
                  catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_0.jpg
##
  49
## 50
         7
                                          liberdade/Rua_Riachuelo__847__0.jpg
                              catole/Rua_Inacio_Marques_da_Silva__434_270.jpg
## 51
       -19
                                  centro/Rua_Pedro_Alvares_Cabral__129_90.jpg
## 52
        11
## 53
        32
                                 centro/Rua_Pedro_Alvares_Cabral__129_180.jpg
##
  54
       -11
                                       liberdade/Rua_Odon_Bezerra__306_90.jpg
        -7
                                      liberdade/Rua_Odon_Bezerra__388__90.jpg
## 55
## 56
        -7
                          catole/Rua_Cristina_Procopio_da_Silva__62__270.jpg
## 57
         7
                                   centro/Rua_Manoel_P._de_Araujo__150_90.jpg
## 58
       -11
                           catole/Rua_Cristina_Procopio_da_Silva__62__90.jpg
## 59
       -13
                          centro/Rua_Coronel_Salvino_Figueiredo__251_270.jpg
```

```
## 60
         8
                                    centro/Rua_Manoel_P._de_Araujo__370_0.jpg
## 61
         5
                                               liberdade/Rua_Acre__635_90.jpg
## 62
         7
                                 catole/Rua Doutor Antonio Telha 68 90.jpg
                                      liberdade/Rua_Odon_Bezerra__306_270.jpg
## 63
         9
##
  64
        31
                                 liberdade/Rua_Severino_Pimentel__511_90.jpg
  65
                          centro/Avenida_Presidente_Joao_Pessoa__128__90.jpg
##
        -6
                                   centro/Rua Capitao Joao de Sa 45 180.jpg
##
  66
        -2
## 67
                            catole/Rua_Deputado_Ascendino_Moura__101__90.jpg
        -4
##
  68
        -4
                                  centro/Rua_Manoel_P._de_Araujo__370_180.jpg
        -2
##
  69
                                   catole/Rua_Doutor_Antonio_Telha__235_0.jpg
##
  70
        -3
                                           liberdade/Rua_Sergipe__1337_90.jpg
                                 liberdade/Rua_Santa_Catarina__1231__180.jpg
  71
         5
##
                           catole/Rua_Deputado_Ascendino_Moura__101__270.jpg
##
  72
        -2
##
  73
                                      centro/Avenida_Dom_Pedro_II__500_90.jpg
        -6
## 74
         4
                         centro/Avenida_Presidente_Joao_Pessoa__128__180.jpg
## 75
        -2
                               liberdade/Rua_Severino_Pimentel__439__180.jpg
##
  76
         2
                                 liberdade/Rua_Espirito_Santo__1288__180.jpg
##
  77
        -6
                                     centro/Rua Capitao Joao de Sa 45 0.jpg
##
  78
                               liberdade/Rua_Padre_Pedro_Serrao__353__90.jpg
        13
##
  79
        -1
                                          liberdade/Rua_Riachuelo__455__0.jpg
##
  80
         2
                               centro/Rua_Doutor_Severino_Cruz__411__270.jpg
##
  81
        -2
                         catole/Rua Sebastiao Vieira da Silva 1273 180.jpg
## 82
                                 liberdade/Rua_Severino_Pimentel__321__0.jpg
        -5
                               liberdade/Rua_Padre_Pedro_Serrao__207__90.jpg
  83
         2
##
##
  84
        -9
                                          centro/Rua_Augusto_Severo__71_0.jpg
  85
        -1
                                           centro/Rua_Elias_Aforas__202_0.jpg
##
  86
        -1
                                        centro/Rua_Felix_Araujo__132__270.jpg
         5
                        centro/Avenida_Presidente_Getulio_Vargas__210__0.jpg
##
  87
                                    liberdade/Rua_Edesio_Silva__602__180.jpg
##
  88
         1
##
  89
        -1
                                       liberdade/Rua_Odon_Bezerra__147_90.jpg
## 90
         1
                                     catole/Rua_Olegario_Mariano__139_180.jpg
##
  91
         5
                                        liberdade/Rua_Riachuelo__930__180.jpg
        -8
##
  92
                                    catole/Rua_Otacilio_Nepomuceno__76_90.jpg
        -4
                                         centro/Rua_Elias_Aforas__202_180.jpg
##
  93
           catole/Rua Doutor_Antonio_Telha_-_Catole__Campina_Grande__270.jpg
##
  94
##
  95
                              catole/Rua_Inacio_Marques_da_Silva__434_90.jpg
##
      V3.Jovem V3.Adulto
                           diffBuild
                                           basCol
                                                     accenCol
## 1
      3.780514
               4.770344 0.477370702 0.620778092 0.751854330 3.5555556
      5.099387
                4.438061 0.298356689 0.362120554 0.328936270 3.1111111
                5.177515 0.143850546 0.261890758 0.317188546 3.0000000
  3
      6.146364
##
                5.801107 0.340979073 0.290989731 0.469908957 2.2222222
      5.158730
## 5
     6.169008
                5.401740 0.191800729 0.290989731 0.156636319 2.2222222
                5.422805 0.208849682 0.290989731 0.156636319 2.2222222
  6
     4.973516
     5.007694
## 7
                4.194349 0.340979073 0.155194523 0.187963583 3.5555556
## 8
     4.537314
                5.057061 0.221636398 0.252191100 0.305440822 2.8888889
                5.958698 0.319667881 0.252191100 0.246702202 3.3333333
## 9
     5.110336
                4.422427 0.372945861 0.242491442 0.367116372 2.7777778
## 10 4.922722
                4.920159 0.193931848 0.157619437 0.152720411 2.8888889
## 11 4.251449
## 12 3.700265
                4.647043 0.351634669 0.640177408 0.000000000 3.6666667
## 13 4.384643
                5.052680 0.247209828 0.281290073 0.340683994 3.2222222
## 14 5.057058
                5.408937 0.142784987 0.145494865 0.176215859 1.6666667
## 15 4.786587
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## 16 5.572288
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## 17 4.717222 4.956411 0.124670474 0.126095550 0.152720411 1.4444444
```

```
## 18 4.272979 3.558038 0.111350979 0.215009079 0.111603377 2.1111111
## 19 5.164513 5.774425 0.163030619 0.243001951 0.294311399 1.8888889
## 20 5.246396
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## 21 4.751508 4.025554 0.207784123 0.252191100 0.305440822 2.8888889
## 22 4.804350 5.046997 0.076720291 0.116395892 0.070486343 1.3333333
## 23 5.266255
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## 24 4.879420
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## 27 4.269016
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## 29 4.548997 4.867422 0.085244768 0.048498288 0.058738620 1.1111111
## 30 5.164431 5.839996 0.269941766 0.193993154 0.234954478 2.2222222
## 32 4.741113 4.290913 0.181145133 0.192376544 0.133140871 1.8888889
## 33 4.547912 5.550644 0.733957455 0.560155232 0.585917730 4.6666667
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## 35 3.996411 3.222667 0.127867152 0.145494865 0.088107929 1.6666667
## 36 5.378095 5.933199 0.204587444 0.155194523 0.187963583 1.7777778
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## 38 5.346967
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## 43 4.889133 5.405272 0.127867152 0.290989731 0.469908957 2.2222222
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## 71 3.154501 3.398565 0.049472410 0.036373716 0.044053965 0.5555556
```

```
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##
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                                     land
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## 11
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##
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                                streetW
                                           sidewalW
                                                       buildHei
##
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##
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                              41.846154
                                          59.389940
                                                     103.179780
   20 12.0000000 11.5884179
                              23.995037
                                          48.901717
                                                     122,400000
  21 10.4000000 11.5864510
                              60.000000
                                         98.691164
                                                     290.883042
                                          32.937902
  22 12.0000000 10.8321011
                              29.230769
                                                     118.274274
## 23 18.0000000 10.5699571
                              58.547009 127.963039
                                                     210.498176
## 24 11.2000000 10.4000000
                              25.128205
                                         74.730088
                                                     172.571429
                  9.8800000
                              92.564103 202.838811 1140.000000
## 25 12.9200000
## 26 12.0000000
                  9.6000000
                              36.376518
                                          69.954105
                                                     315.000000
## 27 11.0000000
                  9.4847403
                              21.858974
                                          35.229899
                                                     156.750000
  28
       9.000000
                  9.000000
                              15.461538
                                          34.162326
                                                      88.845418
                  8.9533836
##
  29
       6.8333333
                              21.794872
                                         51.161278
                                                     109.224340
##
   30 10.0000000
                  8.7318051
                              44.230769
                                         74.136992
                                                     261.275057
##
                                         79.589020
   31
       8.5000000
                  8.6542298
                              43.589744
                                                     231.113548
##
  32
       8.5000000
                  8.0772960
                              47.019231
                                          63.570486
                                                     170.000000
                  7.9479343 105.897436 199.280235
##
  33
      23.1000000
                                                     934.500000
##
   34
       7.5000000
                  7.3750000
                              22.115385
                                          36.327126
                                                     154.264751
##
   35
       7.5000000
                  7.3304157
                              28.205128
                                         57.085484
                                                     228.296282
##
   36
       9.6000000
                  7.2000000
                              30.769231
                                         66.426745
                                                     493.589308
##
   37
       4.8333333
                  6.4274691
                              25.381150
                                          41.059541
                                                      66.068986
##
   38
                  6.3333333
                              52.676282
                                         70.430143
                                                     332.500000
       6.9666667
##
  39
       0.000000
                  5.9833680
                              14.957265
                                         29.823281
                                                     105.000000
## 40
                  5.9800052
                              33.128205
                                         52.429681
                                                     222.223475
       8.5000000
## 41
       1.3000000
                  5.8414208
                              27.083333
                                         52.044169
                                                     316.788869
```

```
5.4737539
                               71.538462 140.959135
## 42 12.4000000
                                                       458.401332
##
                   5.2360469
                               35.384615
                                                       350.596779
  43
       5.0000000
                                           95.477184
##
   44
       2.6666667
                   4.9119736
                               18.269231
                                           21.056103
                                                        95.505928
##
   45
       5.0000000
                   4.7952554
                                9.230769
                                           14.977636
                                                        52.881625
##
   46
       6.5000000
                   4.7674168
                               33.333333
                                           61.901680
                                                       229.028381
       0.000000
                   4.6453754
                               69.230769 109.834445
##
   47
                                                     2900.509750
##
   48
       1.4500000
                   4.2240235
                               29.000000 132.359073
                                                       486.179212
##
  49
       4.000000
                   4.0000000
                               23.247863
                                           47.447675
                                                       155.885868
##
       4.0833333
                   3.9375000
                               17.589744
                                           24.910029
                                                        22.674732
   50
##
   51
       6.6500000
                   3.7237819
                               45.296093
                                           84.999032
                                                       158.185687
##
   52
       4.1800000
                   3.6300000
                               20.589744
                                           24.206284
                                                       161.793266
##
   53
       9.6000000
                   3.6175063
                               67.282051
                                          126.135678
                                                       576.000000
##
   54
                   3.3000000
                               28.205128
                                           47.843072
       6.2333333
                                                       305.250000
##
   55
       4.2875000
                   3.2375000
                               17.948718
                                           27.677810
                                                        74.782442
                                                        54.636312
##
   56
       2.1000000
                   3.1492708
                                8.615385
                                           24.922268
   57
                   3.1175735
                                           33.055304
##
       3.5875000
                               16.826923
                                                       142.918163
##
   58
       5.5000000
                   3.0097239
                               18.685897
                                           48.242301
                                                       160.393229
                   2.8947556
##
   59
       5.2000000
                               25.555556
                                           38.551236
                                                     1592.500000
##
                   2.8338832
   60
       4.1454545
                               13.675214
                                           30.050194
                                                       104.000000
##
   61
       3.0000000
                   2.7916667
                               11.698718
                                           19.275618
                                                        35.603234
##
   62
                   2.6418911
                               14.658120
                                           13.586924
                                                       134.705492
       4.6666667
##
   63
       3.6000000
                   2.5211826
                               20.769231
                                           34.028879
                                                       150.750000
   64
                   2.2376035
                               50.341880
##
      31.0000000
                                           98.058529
                                                       366.833333
##
   65
       0.900000
                   2.2119129
                               10.384615
                                           28.205230
                                                       419.671475
##
   66
       2.0000000
                   2.0000000
                                4.423077
                                            8.006795
                                                        56.538703
##
   67
       2.0000000
                   1.9960061
                                8.547009
                                            7.658732
                                                        63.018551
##
   68
       2.2571429
                   1.9857143
                                6.410256
                                           11.404548
                                                        64.761905
##
   69
       2.0000000
                   1.9660248
                                5.811966
                                            8.445413
                                                         5.172490
##
   70
       2.0400000
                   1.8900000
                                5.000000
                                           10.693658
                                                        29.187787
##
   71
                   1.8362576
                                8.653846
       0.0000000
                                           15.986252
                                                        50.000000
##
  72
       1.0000000
                   1.6981108
                                4.871795
                                            7.754091
                                                        13.455838
##
   73
                   1.6820859
                               10.000000
                                           23.980712
                                                        55.046938
       3.0000000
##
   74
       2.0000000
                   1.2869358
                                4.102564
                                           14.503864
                                                        70.925259
##
   75
                   1.1159479
       1.4000000
                                4.807692
                                            6.227507
                                                        21.321565
                   1.0752339
##
   76
       1.0000000
                                3.589744
                                            6.128658
                                                        21.666667
##
   77
       2.1642857
                   1.0714286
                               12.884615
                                           22.241098
                                                       226.200000
##
  78
       0.5200000
                   1.0153752
                               26.666667
                                           51.093270
                                                       170.358901
  79
##
       1.0000000
                   1.0000000
                                1.709402
                                            2.519205
                                                         8.333333
##
   80
       1.2800000
                   0.9817600
                                5.128205
                                            7.298869
                                                        13.578453
##
  81
                   0.8809381
                                            7.907946
       0.6000000
                                4.102564
                                                        21.757984
##
  82
       1.0000000
                   0.7910685
                               12.019231
                                           19.275618
                                                       100.000000
##
   83
       1.3000000
                   0.7666667
                                4.273504
                                            8.105644
                                                        50.000000
##
   84
       0.4500000
                   0.5854201
                               12.692308
                                            9.000000
                                                       126.000000
##
   85
       0.7000000
                   0.5694839
                                1.794872
                                            3.163178
                                                        12.608250
##
   86
       0.4545455
                   0.4388175
                                2.275641
                                            2.643572
                                                        19.495901
##
  87
       0.7500000
                   0.4250000
                                5.769231
                                           12.798386
                                                        90.130721
##
   88
       0.5000000
                   0.3929630
                                2.307692
                                            4.213017
                                                        10.763158
##
   89
       0.4000000
                   0.3788302
                                2.443020
                                            3.789224
                                                        15.500000
##
   90
       0.4500000
                   0.3612346
                                2.051282
                                            2.033174
                                                        16.616001
##
   91
       0.2500000
                   0.2655980
                                9.775641
                                           17.051508
                                                        91.885637
##
   92
                   0.2608275
                               23.356643
                                           31.658258
       0.4000000
                                                        83.486767
##
  93
       0.2000000
                   0.1205884
                                8.376068
                                           14.008157
                                                        44.833081
                   0.0000000
                                0.000000
                                                         0.000000
## 94
       0.0000000
                                            0.000000
## 95
       0.0000000
                   0.0000000
                                6.442308
                                           12.249872
                                                        87.000952
```

Married x Single - Safety

[1] "Prop. of p-values < 0.05 - mov cars 0.27"

100 iterations

Features that prop. of times p-value < 0.05 is greater than 70% - trees, diff buildings, street furniture, basic colors, accent colors, graffiti, build diff ages, debris, landscape, pavement, prop. street wall, prop. sky, street width, sidewalk width, building height

```
## [1] "Prop. of p-values < 0.05 - park cars 0.67"
  [1] "Prop. of p-values < 0.05 - cyclists 0.09"
## [1] "Prop. of p-values < 0.05 - build ident 0.29"
  [1] "Prop. of p-values < 0.05 - build n rect 0.42"
## [1] "Prop. of p-values < 0.05 - trees 0.84"
## [1] "Prop. of p-values < 0.05 - small planters 0.44"
## [1] "Prop. of p-values < 0.05 - diff buildings 0.82"
## [1] "Prop. of p-values < 0.05 - furniture 0.78"
## [1] "Prop. of p-values < 0.05 - bas col 0.82"
## [1] "Prop. of p-values < 0.05 - acce col 0.86"
## [1] "Prop. of p-values < 0.05 - lig 0.68"
## [1] "Prop. of p-values < 0.05 - peop 0.48"
## [1] "Prop. of p-values < 0.05 - graffiti 0.81"
## [1] "Prop. of p-values < 0.05 - build diff ages 0.86"
## [1] "Prop. of p-values < 0.05 - debris 0.89"
## [1] "Prop. of p-values < 0.05 - landscape 0.91"
  [1] "Prop. of p-values < 0.05 - pavement 0.87"
## [1] "Prop. of p-values < 0.05 - prop street wall 0.79"
  [1] "Prop. of p-values < 0.05 - window 0.68"
## [1] "Prop. of p-values < 0.05 - prop sky ahead 0.76"
## [1] "Prop. of p-values < 0.05 - prop sky across 0.84"
## [1] "Prop. of p-values < 0.05 - prop active use 0.89"
## [1] "Prop. of p-values < 0.05 - street width 0.82"
## [1] "Prop. of p-values < 0.05 - sidewalk width 0.79"
## [1] "Prop. of p-values < 0.05 - building height 0.85"
##
      diff
                                                                    image_url
## 1
                                       centro/Rua_Quebra_Quilos__399__270.jpg
       50
## 2
       -40
                                  catole/Rua_Doutor_Antonio_Telha__235_0.jpg
## 3
        40
                                     catole/Rua_Olegario_Mariano__139_90.jpg
        45 catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__270.jpg
## 4
## 5
                       centro/Avenida_Presidente_Getulio_Vargas__395__90.jpg
                                      liberdade/Rua_Edesio_Silva__602__0.jpg
## 6
        32
## 7
                        liberdade/Avenida_Assis_Chateaubriand__1334__180.jpg
       -44
## 8
       -56
                      centro/Avenida Presidente Getulio Vargas 395 270.jpg
## 9
                                    catole/Rua_Olegario_Mariano__139_270.jpg
       -25
## 10
        27
                                     liberdade/Rua_Odon_Bezerra__147_270.jpg
## 11
        77
                                     centro/Avenida_Dom_Pedro_II__500_90.jpg
                                    catole/Rua_Honorio_de_Melo__240__270.jpg
        22
## 12
                                         centro/Rua_Felix_Araujo__48__90.jpg
##
  13
       -21
                                          centro/Rua_Elias_Aforas__202_0.jpg
## 14
       -36
## 15
       25
                                   liberdade/Rua_Espirito_Santo__1288__0.jpg
## 16
       -16
                                  centro/Rua_Capitao_Joao_de_Sa__45__180.jpg
## 17
       -16
                                        centro/Rua_Felix_Araujo__132__90.jpg
## 18
      -26
                                              liberdade/Rua_Acre__635_90.jpg
```

```
## 19
       -27
                                   catole/Rua_Luisa_Bezerra_Mota__246_270.jpg
## 20
       -39
                                    centro/Rua_Manoel_P._de_Araujo__370_0.jpg
                       centro/Avenida_Presidente_Getulio_Vargas__271__90.jpg
## 21
        20
                            centro/Rua_Coronel_Salvino_Figueiredo__251_90.jpg
## 22
        21
##
  23
       -23
                                          liberdade/Rua_Riachuelo__847__0.jpg
## 24
                                        liberdade/Rua_Riachuelo__455__180.jpg
        15
## 25
       -35
                               liberdade/Rua Padre Pedro Serrao 336 270.jpg
                  catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_0.jpg
## 26
       -24
                          liberdade/Avenida_Assis_Chateaubriand__1334__0.jpg
##
  27
        24
                                        centro/Rua_Felix_Araujo__132__270.jpg
##
  28
        23
##
  29
        38
                                     centro/Avenida_Dom_Pedro_II__119_270.jpg
                                liberdade/Rua_Severino_Pimentel__439__180.jpg
  30
        17
##
                           centro/Avenida_Presidente_Joao_Pessoa__128__90.jpg
##
  31
        23
  32
                                   catole/Rua_Joao_Francisco_Mota__64__90.jpg
##
        -8
## 33
       -15
                                     liberdade/Rua_Odon_Bezerra__388__270.jpg
## 34
        14
                                  liberdade/Rua_Espirito_Santo__1288__180.jpg
## 35
                                  centro/Rua_Manoel_P._de_Araujo__370_180.jpg
        15
##
   36
       -14
                                        liberdade/Rua Riachuelo 847 180.jpg
##
  37
                                liberdade/Rua_Padre_Pedro_Serrao__207__90.jpg
       -18
##
   38
       -22
                            catole/Rua_Cristina_Procopio_da_Silva__62__90.jpg
##
  39
        13
                                      liberdade/Rua_Odon_Bezerra__388__90.jpg
## 40
                      centro/Avenida_Presidente_Getulio_Vargas__210__180.jpg
            catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__90.jpg
## 41
         6
                                         centro/Rua_Joao_da_Mata__490_270.jpg
## 42
        12
                             catole/Rua_Inacio_Marques_da_Silva__434_270.jpg
        25
## 43
                                liberdade/Rua_Severino_Pimentel__321__180.jpg
## 44
         8
## 45
        -9
                                 liberdade/Rua_Severino_Pimentel__511_270.jpg
                                         centro/Rua_Augusto_Severo__71_90.jpg
         7
## 46
                            catole/Rua_Deputado_Ascendino_Moura__101__270.jpg
## 47
         5
                                  centro/Rua_Manoel_P._de_Araujo__150_270.jpg
## 48
       -22
## 49
       -11
                                     catole/Rua_Olegario_Mariano__139_180.jpg
##
  50
       -11
                                        centro/Rua_Quebra_Quilos__399__90.jpg
## 51
        -7
                                           centro/Rua_Elias_Aforas__67__0.jpg
## 52
                                          liberdade/Rua_Riachuelo__455__0.jpg
        -3
##
  53
        -7
                                     liberdade/Rua_Edesio_Silva__602__180.jpg
## 54
       -32
                                  liberdade/Rua_Severino_Pimentel__511_90.jpg
## 55
         4
                                  centro/Avenida Barao Rio Branco 141 90.jpg
## 56
       -24
                                liberdade/Rua_Padre_Pedro_Serrao__353__90.jpg
## 57
                          catole/Rua_Cristina_Procopio_da_Silva__62__270.jpg
         4
## 58
                                       catole/Rua_Olegario_Mariano__139_0.jpg
        -2
  59
                         catole/Rua Sebastiao Vieira da Silva 1273 180.jpg
##
        -4
                          centro/Rua_Coronel_Salvino_Figueiredo__251_270.jpg
## 60
         7
                                      centro/Avenida_Dom_Pedro_II__119_90.jpg
##
  61
       -10
                                centro/Rua_Doutor_Severino_Cruz__411__270.jpg
## 62
        -3
## 63
         2
                                 centro/Rua_Doutor_Severino_Cruz__411__90.jpg
                        centro/Avenida_Presidente_Getulio_Vargas__210__0.jpg
## 64
       -15
         7
## 65
                                     centro/Rua_Capitao_Joao_de_Sa__45__0.jpg
## 66
                                 centro/Rua_Pedro_Alvares_Cabral__129_180.jpg
       -11
## 67
       -22
                                        liberdade/Rua_Riachuelo__930__180.jpg
                                  catole/Rua_Doutor_Antonio_Telha__68__90.jpg
## 68
         3
## 69
        -4
                                      liberdade/Rua_Odon_Bezerra__306_270.jpg
## 70
                                          liberdade/Rua_Riachuelo__930__0.jpg
## 71
         2
                           catole/Rua_Sebastiao_Vieira_da_Silva__1273__0.jpg
                                     centro/Avenida_Dom_Pedro_II__500_270.jpg
## 72
        -2
```

```
## 73
                                              liberdade/Rua_Acre__635_270.jpg
## 74
         5
                      centro/Avenida_Presidente_Getulio_Vargas__271__270.jpg
                                    catole/Rua Otacilio Nepomuceno 76 90.jpg
##
  75
        23
                                      catole/Rua_Honorio_de_Melo__240__90.jpg
##
  76
        -2
##
  77
         2
                                  centro/Rua_Pedro_Alvares_Cabral__129_90.jpg
  78
         2
                         centro/Avenida_Presidente_Joao_Pessoa__128__180.jpg
##
                                 liberdade/Rua Severino Pimentel 321 0.jpg
  79
        -4
                                       liberdade/Rua_Odon_Bezerra__306_90.jpg
## 80
        -2
                              liberdade/Rua_Padre_Pedro_Serrao__207__270.jpg
##
  81
         1
##
  82
        -1
                            catole/Rua_Deputado_Ascendino_Moura__101__90.jpg
  83
        -1
                                   centro/Rua_Manoel_P._de_Araujo__150_90.jpg
                                       liberdade/Rua_Odon_Bezerra__147_90.jpg
  84
##
        -1
##
   85
                                 liberdade/Rua_Santa_Catarina__1231__180.jpg
        -1
                                          centro/Rua_Augusto_Severo__71_0.jpg
##
  86
        -5
  87
        -1
                                         centro/Rua_Felix_Araujo__48__270.jpg
##
##
  88
         2
                                         centro/Rua_Elias_Aforas__202_180.jpg
                                 centro/Avenida_Barao_Rio_Branco__141_270.jpg
##
  89
         0
  90
         0
                 catole/Avenida Prefeito Severino Bezerra Cabral 218 90.jpg
                                       catole/Rua_Vigario_Calixto__1201_0.jpg
## 91
         0
## 92
         0
                                            liberdade/Rua_Sergipe__1337_0.jpg
##
  93
         0
                                   catole/Rua_Aluisio_Cunha_Linha__50__90.jpg
## 94
                              catole/Rua_Inacio_Marques_da_Silva__434_90.jpg
                                           liberdade/Rua_Sergipe__1337_90.jpg
## 95
         0
      V3.Casado V3.Solteiro
                                            streeFur
                                                       diffBuild
##
                                    tree
## 1
                   5.655309 1.132094254 0.512899020 0.547310160 0.484982885
       4.602197
  2
       5.203228
                   4.090221 0.470073739 0.822008692 0.596713378 0.387986308
##
  3
       4.020810
                   5.094557 0.327152316 0.279181665 0.255734305 0.387986308
                   5.429466 0.352544100 0.000000000 0.287701093 0.218242298
##
  4
       4.339516
## 5
                   5.777920 0.544595360 1.123008980 0.306881166 0.465583569
       5.148452
## 6
       3.792168
                   4.824417 0.718628227 0.472128069 0.306881166 0.310389046
       5.794963
## 7
                   4.275390 0.703230313 0.402479386 0.328192358 0.266740586
## 8
       5.597350
                   4.022577 0.415534465 1.820481995 0.596713378 1.086361661
##
  9
       7.201742
                   5.097956 0.279856577 0.230531284 0.237974978 0.242491442
       4.978967
                   5.484640 0.323645769 0.119507418 0.268521020 0.392836136
## 10
  11
       3.602793
                   6.042810 1.277506491 1.284408860 0.738432805 0.746873642
## 12
       4.748376
                   5.048095 0.081768018 0.187262335 0.229734651 0.320088704
## 13
       6.758292
                   5.263999 0.020136172 0.377610243 0.358028027 0.305539217
## 14
       4.686681
                   3.500235 0.333856945 0.099589515 0.306881166 0.349187677
## 15
       3.486652
                   4.515167 0.099890669 0.138318770 0.346306871 0.325449041
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##
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##
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##
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                                                       land
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##
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                                                 streetW
                                                                       buildHei
                                                            sidewalW
```

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                                                                      621.61082
## 5
         24.80000000 32.0000000 32.00000000
                                              80.683761 126.527134
                                                                      732.55316
         26.93333333 32.0000000 30.41842146
## 6
                                              62.393162 122.177763
                                                                      194.16170
##
  7
         31.64117647 30.8000000 25.30000000 110.000000 172.887466
                                                                      574.24182
## 8
         35.44431385 28.0000000 25.20000000 122.051282 249.100294
                                                                      700.00000
##
  q
         20.99023138 25.0000000 23.34471582
                                              60.549052 113.938704
                                                                      112.63090
## 10
         27.00000000 0.0000000 23.07870517
                                              57.692308 115.032656
                                                                      405.00000
##
  11
         45.77222222 38.5000000 21.58676893 128.333333 307.752477
                                                                      706.43571
##
  12
         20.87581679 22.0000000 21.04068668
                                              52.649573
                                                          75.348057
                                                                      479.89402
##
  13
         18.90000000 21.0000000 21.00000000
                                               45.320513
                                                          74.404411
                                                                      682,50000
         32.80531424 25.2000000 20.50141917
                                               64.615385 113.874420
##
  14
                                                                      453.89701
         25.00000000 17.5000000 16.25000000
## 15
                                               39.262821 116.765763
                                                                      269.64286
##
   16
          7.4666667 16.0000000 16.00000000
                                               35.384615
                                                          64.054361
                                                                      452.30963
##
         16.00000000 16.0000000 15.03252287
                                               28.058608
                                                          60.217103
                                                                      192.00000
  17
  18
         25.13333333 15.6000000 14.51666667
                                               60.833333 100.233214
##
                                                                      185.13682
         23.08192747 24.3000000 14.26944203
  19
##
                                              79.038462 172.750102
                                                                      284.17254
         38.22000000 20.2090909 13.81518068
##
  20
                                               66.666667 146.494697
                                                                      507,00000
##
  21
         12.00000000 20.0000000 13.76595376
                                               49.230769
                                                          69.870518
                                                                      121.38798
  22
         19.95000000 12.6000000 13.12500000
##
                                               37.692308
                                                          77.843842
                                                                      268.11827
                                                          81.847240
## 23
         20.50833333 13.4166667 12.93750000
                                               57.794872
                                                                      74.50269
##
  24
         13.75000000 15.0000000 12.93373683
                                               29.807692
                                                          48.040771
                                                                      213.75000
##
  25
         29.75000000 17.5000000 12.31177536
                                               68.205128 107.943461
                                                                      457.51892
##
  26
         24.00000000 12.0000000 12.00000000
                                               69.743590 142.343025
                                                                      467.65760
   27
          7.36170970 12.0000000 11.40324146
##
                                               66.380090
                                                          89.746569
                                                                      240.00000
##
   28
         18.17000000 10.4545455 10.09280164
                                              52.339744
                                                          60.802150
                                                                      448.40572
         31.13795195 12.9200000
##
  29
                                  9.88000000
                                              92.564103 202.838811 1140.00000
##
  30
         16.57500000 11.9000000
                                  9.48555730
                                               40.865385
                                                          52.933813
                                                                      181.23330
##
  31
         20.74968837
                      3.4500000
                                  8.47899947
                                               39.807692 108.120047 1608.74066
##
   32
          7.00000000
                      8.0000000
                                  7.72561197
                                               15.996691
                                                          32.601145
                                                                       81.60000
##
   33
          8.70000000
                      7.5000000
                                  7.63608515
                                               38.461538
                                                          70.225606
                                                                      203.92372
##
   34
          8.40000000
                      7.000000
                                  7.52663716
                                               25.128205
                                                          42.900606
                                                                      151.66667
         13.12500000
   35
                                  7.44642857
                                               24.038462
                                                          42.767055
##
                      8.4642857
                                                                      242.85714
##
  36
         11.71406250
                      7.0000000
                                  7.07345076
                                              34.102564
                                                          55.355621
                                                                      178.04971
##
  37
         11.70000000 11.7000000
                                  6.90000000
                                               38.461538
                                                          72.950800
                                                                      450.00000
  38
         22.00000000 11.0000000
                                  6.01944789
##
                                               37.371795
                                                          96.484601
                                                                      320.78646
   39
##
         11.23571429
                      7.9625000
                                  6.01250000
                                               33.333333
                                                          51.401648
                                                                      138.88168
##
   40
         17.07904646
                      2.0500000
                                  5.97189524
                                              41.000000 187.128345
                                                                      687.35682
##
   41
          6.00000000
                      6.0000000
                                  5.72191528
                                               16.410256
                                                          25.459130
                                                                      43.48937
                                                          44.482195
##
  42
          6.00000000
                      6.0000000
                                  5.23908305
                                               26.538462
                                                                      156.76503
##
   43
          0.46262016
                      8.7500000
                                  4.89971308
                                              59.600122 111.840831
                                                                      208.13906
          6.96000000
                                  4.60000000
##
   44
                      5.4000000
                                               16.410256
                                                          28.468605
                                                                      142.16865
## 45
          7.71211122
                      4.5000000
                                  4.46431458
                                               20.000000
                                                          30.247893
                                                                       90.00000
                      7.000000
##
  46
          4.66666667
                                  4.28455555
                                               11.965812
                                                          15.222796
                                                                      143.13551
##
  47
          4.64777577
                      2.5000000
                                  4.24527707
                                               12.179487
                                                          19.385228
                                                                       33.63959
##
   48
         16.86666667 12.1000000
                                  4.16320368
                                               55.470085 104.384885
                                                                      489.50000
##
  49
          9.17767679
                      4.9500000
                                  3.97358089
                                               22.564103
                                                          22.364912
                                                                      182.77601
##
  50
          8.03000000
                      4.0333333
                                  3.66666667
                                               30.496795
                                                          40.775346
                                                                      192.50000
## 51
          5.95000000
                      0.7000000
                                  3.14538044
                                               14.583333
                                                          28.023783
                                                                      170.57862
## 52
          1.65000000
                      3.0000000
                                  3.00000000
                                                5.128205
                                                           7.557615
                                                                       25.00000
## 53
                      3.5000000
                                  2.75074092
                                              16.153846
                                                          29.491116
                                                                       75.34211
          2.22838604
## 54
         30.00000000 32.0000000
                                  2.30978428
                                              51.965812 101.221707
                                                                     378.66667
```

```
## 55
          3.42851451
                       1.4800000
                                   2.19521054
                                                 9.284750
                                                            12.730556
                                                                         16.92563
##
  56
         23.28000000
                       0.9600000
                                   1.87453882
                                                49.230769
                                                            94.326037
                                                                        314.50874
                       1.2000000
                                   1.79958330
##
  57
          3.10000000
                                                 4.923077
                                                            14.241296
                                                                         31.22075
                                                 4.358974
                                                            10.232256
##
  58
          2.00000000
                       1.3666667
                                   1.79067673
                                                                         21.84487
##
   59
          4.00000000
                       1.2000000
                                   1.76187614
                                                 8.205128
                                                            15.815892
                                                                         43.51597
  60
          7.00000000
                       2.8000000
                                                13.760684
                                                            20.758358
##
                                   1.55871455
                                                                        857.50000
## 61
          7.50000000
                       0.0000000
                                   1.54845847
                                                23.076923
                                                            36.611482
                                                                        966.83658
## 62
          0.09748739
                       1.9200000
                                   1.47263996
                                                 7.692308
                                                            10.948304
                                                                         20.36768
## 63
          0.96805414
                       0.9666667
                                   1.28549382
                                                 5.076230
                                                             8.211908
                                                                         13.21380
##
   64
         14.50000000
                       2.2500000
                                   1.27500000
                                                17.307692
                                                            38.395158
                                                                        270.39216
##
  65
          5.60000000
                       2.5250000
                                   1.25000000
                                                15.032051
                                                            25.947947
                                                                        263.90000
##
   66
         10.90833333
                       3.3000000
                                   1.24351778
                                                23.128205
                                                            43.359139
                                                                        198.00000
##
   67
         19.38688655
                       1.1000000
                                   1.16863110
                                                43.012821
                                                            75.026636
                                                                        404.29680
                                                                         57.73093
##
   68
          1.33660738
                       2.0000000
                                   1.13223903
                                                 6.282051
                                                             5.822967
  69
                                                 9.230769
##
          2.40000000
                       1.6000000
                                   1.12052560
                                                            15.123946
                                                                         67.00000
##
  70
          0.80000000
                       0.1000000
                                   1.0000000
                                                 2.307692
                                                             4.151672
                                                                         10.00000
##
  71
          1.83333333
                       1.0000000
                                                 3.760684
                                                             7.611398
                                                                         30.43950
                                   0.97738877
##
  72
          1.46638863
                       1.2000000
                                   0.9000000
                                                 3.846154
                                                             8.303343
                                                                         61.69866
##
  73
          1.65000000
                       0.8000000
                                   0.89126546
                                                 4.615385
                                                             7.591628
                                                                         22.37562
##
   74
          4.81250000
                       2.0000000
                                   0.88286353
                                                11.538462
                                                            22.735344
                                                                         73.93570
##
  75
         23.00000000
                       1.1500000
                                   0.74987916
                                                67.150350
                                                            91.017492
                                                                        240.02446
  76
##
          1.82336776
                       1.0000000
                                   0.73344873
                                                 5.128205
                                                             9.523335
                                                                         35.23514
  77
                       0.7600000
                                   0.66000000
                                                 3.743590
                                                             4.401143
                                                                         29.41696
##
          1.40000000
##
  78
          0.17486769
                       1.0000000
                                   0.64346790
                                                 2.051282
                                                             7.251932
                                                                         35.46263
##
  79
          3.22857143
                       0.8000000
                                   0.63285476
                                                 9.615385
                                                            15.420494
                                                                         80.00000
##
  80
          0.82500000
                       1.1333333
                                   0.60000000
                                                 5.128205
                                                             8.698740
                                                                         55.50000
  81
          0.91666667
##
                       0.6666667
                                   0.53333333
                                                 2.020918
                                                             3.886339
                                                                         17.50000
##
   82
          0.97693726
                       0.5000000
                                   0.49900152
                                                 2.136752
                                                             1.914683
                                                                         15.75464
  83
          0.55000000
##
                       0.5125000
                                   0.44536764
                                                 2.403846
                                                             4.722186
                                                                         20.41688
##
  84
                       0.400000
                                   0.37883018
                                                 2.443020
                                                             3.789224
                                                                         15.50000
          0.7555556
##
  85
          0.71250000
                       0.0000000
                                   0.36725153
                                                 1.730769
                                                             3.197250
                                                                         10.00000
##
  86
          4.58990808
                       0.2500000
                                   0.32523338
                                                 7.051282
                                                             5.000000
                                                                         70.00000
##
  87
          0.54200910
                       0.2500000
                                   0.26180235
                                                 1.769231
                                                             4.773859
                                                                         17.52984
##
  88
          1.38376904
                       0.1000000
                                   0.06029419
                                                 4.188034
                                                             7.004078
                                                                         22.41654
   89
          0.00000000
                       0.000000
                                   0.0000000
                                                 0.00000
                                                             0.000000
                                                                          0.00000
##
  90
##
          0.00000000
                       0.0000000
                                   0.0000000
                                                 0.000000
                                                             0.000000
                                                                          0.00000
## 91
          0.00000000
                       0.0000000
                                   0.0000000
                                                 0.000000
                                                             0.000000
                                                                          0.00000
## 92
          0.0000000
                       0.000000
                                   0.0000000
                                                 0.00000
                                                             0.000000
                                                                          0.00000
## 93
          0.00000000
                       0.0000000
                                   0.0000000
                                                 0.000000
                                                             0.000000
                                                                          0.00000
## 94
         11.34839123
                       0.000000
                                   0.0000000
                                                47.243590
                                                            89.832398
                                                                        638.00698
## 95
          0.00000000
                       0.000000
                                   0.00000000
                                                 0.000000
                                                             0.000000
                                                                          0.00000
```

Low x High income - Safety

100 iterations

 $Features\ that\ prop.\ of\ times\ p-value < 0.05\ is\ greater\ than\ 70\%\ -\ diff\ buildings,\ basic\ colors,\ accent\ colors,\ graffiti,\ build\ diff\ ages,\ debris,\ landscape,\ pavement,\ prop.\ street\ wall,\ prop.\ sky,\ street\ width,\ building\ height$

```
## [1] "Prop. of p-values < 0.05 - mov cars 0.39"
## [1] "Prop. of p-values < 0.05 - park cars 0.62"
## [1] "Prop. of p-values < 0.05 - cyclists 0.04"
## [1] "Prop. of p-values < 0.05 - build ident 0.27"
## [1] "Prop. of p-values < 0.05 - build n rect 0.35"</pre>
```

```
## [1] "Prop. of p-values < 0.05 - trees 0.67"
## [1] "Prop. of p-values < 0.05 - small planters 0.41"
## [1] "Prop. of p-values < 0.05 - diff buildings 0.78"
## [1] "Prop. of p-values < 0.05 - furniture 0.63"
## [1]
      "Prop. of p-values < 0.05 - bas col 0.78"
## [1] "Prop. of p-values < 0.05 - acce col 0.68"
## [1] "Prop. of p-values < 0.05 - lig 0.48"
## [1] "Prop. of p-values < 0.05 - peop 0.44"
      "Prop. of p-values < 0.05 - graffiti 0.93"
## [1]
## [1]
      "Prop. of p-values < 0.05 - build diff ages 0.87"
## [1] "Prop. of p-values < 0.05 - debris 0.78"
## [1] "Prop. of p-values < 0.05 - landscape 0.77"
## [1] "Prop. of p-values < 0.05 - pavement 0.84"
## [1] "Prop. of p-values < 0.05 - prop street wall 0.8"
## [1] "Prop. of p-values < 0.05 - window 0.37"
       "Prop. of p-values < 0.05 - prop sky ahead 0.71"
## [1] "Prop. of p-values < 0.05 - prop sky across 0.76"
## [1] "Prop. of p-values < 0.05 - prop active use 0.81"
## [1] "Prop. of p-values < 0.05 - street width 0.82"
## [1] "Prop. of p-values < 0.05 - sidewalk width 0.89"
## [1] "Prop. of p-values < 0.05 - building height 0.75"
##
      diff
                                                                     image_url
## 1
       -29
                                          liberdade/Rua_Riachuelo__930__0.jpg
                                       liberdade/Rua_Edesio_Silva__602__0.jpg
## 2
        25
## 3
        22
                                     catole/Rua_Honorio_de_Melo__240__270.jpg
## 4
       -22
                                         centro/Rua_Felix_Araujo__132__90.jpg
## 5
       -20
                                          centro/Rua_Felix_Araujo__48__90.jpg
## 6
        18
                                   catole/Rua_Aluisio_Cunha_Linha__50__90.jpg
## 7
       -21
                           catole/Rua_Deputado_Ascendino_Moura__101__270.jpg
## 8
        40
                                        centro/Rua_Felix_Araujo__132__270.jpg
## 9
                               liberdade/Rua_Padre_Pedro_Serrao__336__270.jpg
        43
## 10
        15
                                          liberdade/Rua_Riachuelo__455__0.jpg
## 11
       -15
                                   centro/Rua_Capitao_Joao_de_Sa__45__180.jpg
## 12
       -26
                                          liberdade/Rua_Riachuelo__847__0.jpg
## 13
        16
                                      catole/Rua_Olegario_Mariano__139_90.jpg
## 14
       -20
                                    liberdade/Rua_Espirito_Santo__1288__0.jpg
## 15
       -21
                                         centro/Rua_Augusto_Severo__71_90.jpg
## 16
        15
                                      liberdade/Rua_Odon_Bezerra__147_270.jpg
                                            liberdade/Rua_Sergipe__1337_0.jpg
## 17
       -17
## 18
            catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__90.jpg
       -13
## 19
       -14
                                        liberdade/Rua_Riachuelo__455__180.jpg
## 20
        24
                            catole/Rua_Deputado_Ascendino_Moura__101__90.jpg
                                 liberdade/Rua_Severino_Pimentel__511_270.jpg
## 21
       -24
## 22
        36
                                  centro/Rua_Pedro_Alvares_Cabral__129_90.jpg
                           catole/Rua_Sebastiao_Vieira_da_Silva__1273__0.jpg
## 23
       -24
## 24
       -42
                           catole/Rua_Cristina_Procopio_da_Silva__62__90.jpg
## 25
       -21
                                  liberdade/Rua_Espirito_Santo__1288__180.jpg
## 26
        25
                                              liberdade/Rua_Acre__635_270.jpg
## 27
       -12
                                       catole/Rua_Olegario_Mariano__139_O.jpg
## 28
       -28
                                      catole/Rua_Honorio_de_Melo__240__90.jpg
## 29
       -35
                                         centro/Rua_Felix_Araujo__48__270.jpg
## 30
        20
                      centro/Avenida_Presidente_Getulio_Vargas__395__270.jpg
                 catole/Avenida_Prefeito_Severino_Bezerra_Cabral__218_90.jpg
## 31
        -9
```

```
## 32
       -20
                                         centro/Rua_Joao_da_Mata__490_270.jpg
## 33
        -9
                                 centro/Avenida_Barao_Rio_Branco__141_270.jpg
  34
##
         9
                                     catole/Rua Olegario Mariano 139 270.jpg
                                        centro/Rua_Quebra_Quilos__399__90.jpg
## 35
        25
##
   36
        14
                                           centro/Rua_Elias_Aforas__202_0.jpg
##
  37
                              catole/Rua_Inacio_Marques_da_Silva__434_270.jpg
       -39
  38
                                       catole/Rua Vigario Calixto 1201 0.jpg
##
       -11
                                 centro/Rua_Doutor_Severino_Cruz__411__90.jpg
## 39
        11
                                  centro/Rua_Manoel_P._de_Araujo__370_180.jpg
##
  40
       -14
## 41
        12
                        liberdade/Avenida_Assis_Chateaubriand__1334__180.jpg
## 42
        10
                       centro/Avenida_Presidente_Getulio_Vargas__271__90.jpg
                                  catole/Rua_Doutor_Antonio_Telha__68__90.jpg
## 43
       -18
                                      liberdade/Rua_Odon_Bezerra__388__90.jpg
##
   44
       -13
                       centro/Avenida_Presidente_Getulio_Vargas__395__90.jpg
##
  45
        -6
## 46
       -11
                               liberdade/Rua_Padre_Pedro_Serrao__207__270.jpg
## 47
        34
                       centro/Avenida_Presidente_Getulio_Vargas__210__180.jpg
                                       liberdade/Rua_Odon_Bezerra__147_90.jpg
## 48
        13
##
  49
        31
                                      centro/Avenida Dom Pedro II 119 90.jpg
                      centro/Avenida_Presidente_Getulio_Vargas__271__270.jpg
## 50
        26
## 51
       -10
                           catole/Rua_Cristina_Procopio_da_Silva__62__270.jpg
## 52
         8
                                liberdade/Rua_Severino_Pimentel__439__180.jpg
## 53
        -8
                                  centro/Avenida_Barao_Rio_Branco__141_90.jpg
                          liberdade/Avenida_Assis_Chateaubriand__1334__0.jpg
## 54
         9
                                        liberdade/Rua_Riachuelo__847__180.jpg
## 55
         8
                  catole/Avenida Prefeito Severino Bezerra Cabral 218 0.jpg
## 56
         8
                                liberdade/Rua_Padre_Pedro_Serrao__207__90.jpg
## 57
         9
## 58
        12
                                      centro/Avenida_Dom_Pedro_II__500_90.jpg
         7
                                   centro/Rua_Manoel_P._de_Araujo__150_90.jpg
##
   59
        -7
                         catole/Rua_Sebastiao_Vieira_da_Silva__1273__180.jpg
## 60
           catole/Rua_Doutor_Antonio_Telha_-_Catole__Campina_Grande__270.jpg
## 61
         4
## 62
       -16
                                  liberdade/Rua_Severino_Pimentel__321__0.jpg
## 63
         4
                            centro/Rua_Coronel_Salvino_Figueiredo__251_90.jpg
        33
                                  liberdade/Rua_Severino_Pimentel__511_90.jpg
##
  64
## 65
                                  centro/Rua_Manoel_P._de_Araujo__150_270.jpg
        11
                                   catole/Rua_Joao_Francisco_Mota__64__90.jpg
##
   66
        -2
       -16
##
  67
                                 centro/Rua_Pedro_Alvares_Cabral__129_180.jpg
##
  68
        -5
                                     catole/Rua Olegario Mariano 139 180.jpg
## 69
         3
                                               liberdade/Rua_Acre__635_90.jpg
## 70
         5
                         centro/Avenida_Presidente_Joao_Pessoa__128__180.jpg
                        centro/Avenida_Presidente_Getulio_Vargas__210__0.jpg
## 71
        17
                                    centro/Rua_Manoel_P._de_Araujo__370_0.jpg
  72
         4
  73
        -5
                                      liberdade/Rua_Odon_Bezerra__306_270.jpg
##
                                     liberdade/Rua_Edesio_Silva__602__180.jpg
##
   74
         3
  75
        -3
##
                                  liberdade/Rua_Santa_Catarina__1231__180.jpg
                                   catole/Rua_Doutor_Antonio_Telha__235_0.jpg
## 76
         1
## 77
                                       centro/Rua_Quebra_Quilos__399__270.jpg
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                                              13.125000
                                                              3.4594226
##
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                                                              0.000000
## 93
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         0.0000000
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                                                              0.000000
  94
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                                              19.743708
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##
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                                   0.00000
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##
      propSkyAhe propSkyAc
                                streetW
                                           sidewalW
                                                       buildHei
##
   1
       2.9000000 29.0000000 66.923077 120.398476
                                                     290.000000
##
   2
      25.0000000 23.7643918 48.744658
                                         95.451378
                                                     151.688827
   3
      22.0000000 21.0406867 52.649573
                                         75.348057
##
                                                     479.894018
##
      22.0000000 20.6697189 38.580586
                                         82.798517
                                                     264.000000
## 5
      20.0000000 20.0000000 43.162393
                                         70.861344
                                                     650.000000
##
  6
      18.0000000 18.0000000 30.923077
                                         68.324652
                                                     177.690836
##
      10.5000000 17.8301637 51.153846
                                         81.417958
                                                     141.286294
##
      18.1818182 17.5526985 91.025641 105.742869
                                                     779.836030
  8
      21.5000000 15.1258954 83.794872 132.616252
##
  9
                                                     562.094671
## 10 15.0000000 15.0000000 25.641026
                                         37.788074
                                                     125.000000
## 11 15.0000000 15.0000000 33.173077
                                         60.050964
                                                     424.040274
## 12 15.1666667 14.6250000 65.333333
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                                                      84.220435
## 13 16.0000000 14.4428015 38.974359
                                         43.917203
                                                     157,699033
```

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                                                    225.000000
  17 12.7500000 12.5375000 37.596154
                                        61.756115
                                                    262.250076
  18 13.0000000 12.3974831 35.555556
                                        55.161448
                                                     94.226959
                                                    199.500000
## 19 14.0000000 12.0714877 27.820513
                                        44.838053
## 20 12.0000000 11.9760365 51.282051
                                        45.952394
                                                    378.111307
## 21 12.0000000 11.9048389 53.333333
                                        80.661048
                                                    240.000000
## 22 13.6800000 11.8800000 67.384615
                                        79.220567
                                                    529.505235
## 23 12.0000000 11.7286652 45.128205
                                        91.336775
                                                    365.274050
  24 21.0000000 11.4916732 71.346154 184.197875
                                                    612.410510
  25 10.5000000 11.2899557 37.692308
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                                                    227.500000
   26 10.0000000 11.1408183 57.692308
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                                                    279.695233
##
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## 28 14.0000000 10.2682822 71.794872 133.326696
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##
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##
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##
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                                        39.144332
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##
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                  6.0000000 15.128205
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##
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## 53
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##
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##
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##
       2.4000000
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   63
##
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##
  65
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                                                     20.400000
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                                                     83.080003
## 69
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                                        11.565371
                                                     21.361940
       2.5000000
##
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##
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##
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##
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                                                      2.586245
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##
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##
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##
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                                                    220.525530
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## 82
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##
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##
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                                                      0.000000
## 93
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                                                      0.000000
## 94
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## 95
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```