

# Recognizing City Identity via Attribute Analysis of Geo-tagged Images

Supplementary Materials

Paper ID 256

## 1 City Attribute

### 1.1 Organization of city attributes

Each city attribute has the following scene attributes:

**Green space:** hiking; camping; playing; farming; trees; grass; vegetation; shrubbery; leaves; foliage; flowers.

**Water coverage:** sailing/boating; diving; swimming; waves/ surf; ocean; running water; still water.

**Transportation:** driving; biking; transporting things or people; railroad; asphalt; pavement.

**Architecture:** praying; shingles; aged/worn; brick; marble.

**Vertical building:** mostly vertical components.

**Athletic activity:** competing; sports; exercise; playing.

**Social activity:** eating; socializing; congregating; waiting in line/ queuing; spectating/ being in an audience; shopping; conducting business; cloth.

### 1.2 Images with city attributes

Images with all 7 city attributes for 3 cities are listed in cityattribute.pdf.

### 1.3 City perception map

The city perception maps of all 21 cities are listed in perceptionmap.pdf.