

info on the place	place_name: name of the location associated to the tweet (not always included)	id: unique string identifier for this venue	location_id: (not always included) if the chosen location corresponds to a foursquare venue	user_location: not always included		
		place name: The best known name for this venue	location_name: (not always included) users may choose to name the location			
		venue_id: unique id				
	place, country, name of the country associated to the tweet (not always included)	title				
		category: An array, possibly empty of categories that have been applied to this venue. One of the categories will have a field primary indicating that it is the primary category for the venue				
		checkinscount: total checkins ever here)				
		photoscount: total users who have ever checked in here)				
		business_hours: number of tips here	verified: boolean indicating whether the owner of this business has claimed it and verified the information			
		businesscount: number of this here	reference: Optional information about who is here now. If present, there is always a count, the number of people here			
			created_at: seconds since epoch when the venue was created			
info on the content		user: id, username and number of check-ins				
		tips: Contains the total count of tips and groups with friends and others as tags/likes. Dingers may change over time. Each tag/like is linked to the venue				
		url: Optional URL of the venue's website, typically provided by the venue manager				
		description: Optional description of the venue provided by venue owner				
	latitude, coordinate	latitude, coordinate	latitude, coordinate	latitude, coordinate		
	longitude, coordinate	longitude, coordinate	longitude, coordinate	longitude, coordinate		
	date: timestamp		date: timestamp			
	id: tweet unique value for each tweet					
	language: user profile language		text: textual content (if included)			
	text: tweet content			pic: picture file		
each facet returns:	user or unique value for each user	screen_name, unique user's name	user_id: unique value for each user	username: user's name		
			username: user's name	username: user's name		
			user_fullname: user full name	nickname: user full name		
			tags: keywords user associated to the picture	tags: keyword user associated to the picture		
	retweet_count: if eventual number of retweets		likes count: number of like to the picture			
			pic: picture url	url: picture url		
			comments count: number of comments for each picture			

available metadata from the social network API

			TWITTER	FOURSQUARE	INSTAGRAM	FLICKR	
urban areas	issues	specific topic					
fruition of territories	landmarks, p.o.i	is it possible to identify some novel landmarks? what are the places from where people contribute the most? what are the most frequented places in the city, and what does it mean? is there any difference between places photographed by locals and by tourists?	number of tweets for each place in a pre-defined timespan / users' profiling according to language or origin place (if included in user profile) + user profiling according to number of tweets and followers	number of check-ins for each venue in a pre-defined timespan	number of pictures for each place in a pre-defined timespan / number of likes on pictures in each place / users' profiling according to places he/she contributed the most from	number of pictures for each place in a pre-defined timespan / number of likes on pictures in each place / users' profiling according to places he/she contributed the most from	
	way of using public spaces	what is that make people talk about an area? (Shopping? Theater? Its food scene?) How many different activities make people talk about an area? How many functionalities are possible in a place do things change over time (on a daily, weekly, monthly and yearly basis)?	number of tweets for each place in a pre-defined timespan per logo in a pre-defined timespan / analysis on main subjects (words) on the text / temporal comparison of results	number of check-ins for each venue in a pre-defined timespan / prevalence of certain categories in an area	analyzing places with the highest number of pictures in an area / temporal evolution		
urban perception	emotions and places	is it possible to draw a map enlightening people's emotions related to places? where people are scared? where are they happy? where are they interested?	sentiment analysis of text content in different places	sentiment analysis of the comments of a venue	for a positive attitude, analysis (manual) of pictures with the highest number of "like"		
	displacement	Which are the most named places and where are they named? Are they usually named where they are located, or are they named from other places?	extracting toponyms from tweet contents and relating them with the origin (at longest the tweet)		plotting on the map places tagged (recognized) with the name of it or of a neighborhood / overlappings with administrative boundaries	plotting on the map places tagged (recognized) with the name of it or of a neighborhood / overlappings with administrative boundaries	
city times	city, suburbs and outskirts	where people recognize a territory as peripheral? Which are the boundaries of the actual "center" of the city, as named by people?	textual and sentiment (manual) analysis of tweets contents, construction of indicators (overlappings with CENSUS data)				
	wellbeing and urban quality	what are the public perceptions of a low-cost elements often associated with "poor" government and that high quality of city life is possible to identify the characteristics of places where people are happy?	spatially locating tweets posted over the same period of time (hours of the day, days of the weeks...) / users' profiling according to language or origin place (if included in user profile) + user profiling according to number of tweets and followers	to verify according to the limits of query per hour that could be done on the API)	spatially locating pictures posted over the same period of time (hours of the day, days of the weeks...)		
mobility	city paths and urban nets	is it possible to find places that are linked together in users' habits? which are the places and the places that attracts the same people?	selezione degli utenti che conducono da un luogo ad analisi degli altri luoghi da cui condividono abitudini o prima / dopo eventi ricati nel luogo d interesse		selezione degli utenti che fotografano da un luogo ed analisi degli altri luoghi da cui fotografano abitudini o prima / dopo essersi recati nel luogo d interesse		
the temporary city	monitoring temporary city users	is it possible to know where are daily commuters from? Where are people from during a special event? How many tourists are talking about the event? how different profiles attribute themselves within the city during a special event? From where people talk about the event the most? Moreover, with keyword based analysis we can infer how far return, and from where people talk about the event most before and after it (which trends / common places / people / entities / organizations are named the most) where the other places in the city that pass up during the event?	analysis of the profile origin of users that regularly tweet from a selected places	analysis of the profile origin of users that regularly post pictures from a selected places			
	special events		analysis of tweets over the selected timespan of the event / analysis of tweets in the area of the event / users' profiling according to language or origin place (if included in user profile) + user profiling according to number of tweets and followers / comparison with an ordinary timespan	number of check-ins for each venue in the event area / analysis of the most common categories / comparison with an ordinary timespan	number of pictures in the event area and in singular places / comparison with an ordinary timespan		
social phenomena	ethnic groups	where are specific ethnic groups contributing the most? can we identify unexpected concentrations? how they differ from each other?	geo-referenced tweets divided per languages / distribution over the selected timespan				
	gentrification	is it possible to predict emergent (unexpected) areas where people is moving to?		monitoring new venue creation			
urban planning and policy making	mapping citizens' needs	is it possible to understand how the population need to new policies? How are people talking about a new proposed policy intervention, what terms are associated with the public interest issues such as quality of the public transport service? Moreover, does the whole of the population need the same? Can we enlighten differences among different ethnic groups, social classes, religions and genders, ages, or from people who inhabit different part of the city?	conversational analysis of the tweet content pre-selecting a list of keywords				
	acceptation / feeling toward social policies and urban interventions		sentiment analysis of the tweet content pre-selecting a list of keywords				

other data sources to integrate (to better address the question)