Teacher's Notebook

in Teaching College-Level Field Geography Using an Urban "Attractiveness Index" as a Method

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if field sites were located close to the classroom. exercise could be completed in a series of shorter class periods allowed for completion of the exercise in one day. This was designed for use during an all-day field class, which reflected their perception of an urban environment. The project develop and apply a numerical index of "attractiveness" that and Datel 1979; Lounsbury and Aldrich 1986, 159; Stoddard Craik and Zube 1976; Daniel and Boster 1976; Dingemans used numerical evaluations of environmental quality (e.g., design and execute fieldwork. Recognizing that others have The class will also have a better understanding of how to nation of the components that make up an urban landscape. understand more about their surroundings through the exami-Oregon. It was designed so that the students would be able to ment, as part of a geographic field class at the University of in the collection and analysis of data from an urban environ-This exercise was used to illustrate the methodology involved 1982, 72), an exercise was developed in which students

safety). This perception of an urban setting may be influenced tributes may be concrete (e.g., trash) or abstract (e.g., personal reflect the group's perception of urban settings. These atportion of the exercise. The attributes selected by a group may vegetation, the maintenance of buildings, and perceived safety group. Examples of attributes include trash, the amount of eral consensus on at least 10 attributes should be the goal of the are allowed to discuss the various attributes they find to be the being unattractive and five being most attractive. The students continuous data that could be rated from zero to five, with zero environment could be rated as indicators of the attractiveness students are initially asked what kinds of features in the urban students and is to be generally acceptable to the students. The task of the class. This index is to be applied in the field by the Each of these attributes must be quantified during the field best indicators. Discussion should be encouraged and a gen-The creation of an "index of attractiveness" is the initial These features must represent some kind of

by different cultural and life experiences. These differences may not be apparent to the students until they have compared results in the classroom. It may become apparent that the attributes selected by the class are not well defined or are hard to quantify only after the class has been in the field. The instructor should be helpful and guide the discussion, but remain somewhat removed from the establishment of the final list of attributes.

groups should be allowed to walk the entire distance of the site value of each attribute at some randomly selected sites. The groups should be discouraged until the class returns to the other groups. Each group should attempt to agree on a value length of the street, one or two blocks in length. At the sites the should be well defined before leaving the classroom. A site students can be transported in vans. The sites themselves distributed sites can be visited in three to four hours if the bility of transportation, and the time available. Five widely applied random selection method. The number of sites sesites can be selected by class members using some easily three to four students). Each group is asked to estimate the be divided into smaller groups (preferably groups that contain for each of the attributes. Comparison of values between with little or no interaction between the instructor and the can be defined as both sides of a street, and depending on the lected is dependent on the size of the urban area, the accessi-Once the attributes have been determined the class should

When the class returns to the classroom the values should be put on a blackboard or overhead in a tabular form by location for easy reference. These results can then be discussed by the class since differences and similarities between groups are readily apparent. The differences or similarities between groups can be the basis of a discussion of the advantages and disadvantages of this method of quantifying geographic variables in the field. Sources of differences can be associated with some factors such as inappropriateness of

some cases the class could be asked to write a paper about the whole experience can be summed up by the instructor or in lack of a clearly recognized pattern may recognized. The be added by the instructor where needed to illustrate a point. sion of the variability in the indices. Additional comments can the attributes selected in the classroom, bias on the part of the groups, or inattention to detail. The class should be able to Some trends in the data may be detected and discussed or the detect these factors as sources of differences through a discus-

recognize distant noise sources such as freeways and railnoise were easier to quantify, although some groups did not variability. The more concrete variables such as trash and safety, were hard to quantify and had the highest amount of sion of the values after returning from the field were producattributes, which included aesthetic pleasure and personal cability of the attributes. The students found that the abstract tive and generated a great deal of discussion about the appliattributes. Both the selection of the attributes and the discus-Eugene, Oregon, area. The sites were both urban and suburwhich was divided into four groups, visiting five sites in the ban, with one site being nearly rural. The class used ten In practice the exercise was quite sucessful with the class,

> of the exercise. part of the learning process because of the "hands on" nature roads. This is an exercise that makes the student an integral

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