

Student Name: \_\_\_\_\_

SAN JOSE STATE UNIVERSITY  
DEPARTMENT OF URBAN AND REGIONAL PLANNING

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## Quantitative Methods

### URBP 204

#### Exercise Set #1

Date Introduced: February 3, 2014

Date Due: February 17, 2014

A hard copy of the assignment is due during the class break

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- 1a. Provide an example that illustrates how a variable can be measured at ratio level?  
(1 point)
- 1b. Next, using the same variable as in 1a, show how it can be measured at ordinal level?  
(1 point)
- 1c. Next, using the same variable as in 1a and 1b, show how it can be measured at nominal level?  
(1 point)
- 2a. Provide an example of a research question, the answer to which will require use of idiographic research approach.  
(1 point)
- 2b. Next, modify the same research question so that nomothetic research approach is required to answer the question.  
(1 point)
3. Provide an example of use of deductive reasoning. (1 point)
4. Provide an example of use of inductive reasoning. (1 point)
5. Provide an example of a variable that has face validity but not content validity.  
(1.5 point)
6. Provide an example of a measurement that is precise but not accurate.  
(1.5 point)

*Note: Please do not use examples provided in the book, in the class, or in the lecture notes.*

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