

1. (a) There are 8 cases, and 15 variables measured on those cases.

(b) Many possible answers. Some examples include

Quant. vars: square footage, price, number of bedrooms
Cat. vars: color, garage? (yes/no), city (location)

(c) A frequency table or a bar graph

(d) B: Some zip codes may be over-representing houses of a certain type or value. Expensive homes tend to cluster, and may tend to be built in one zip code over another.

U: A possible reason for opposing this answer is the argument that this letter is more prevalent to one ethnicity than to some others. Presumably, this ethnicity would also tend to own different sorts of homes than others do.

B: Very often it is only people with a complaint or vested interest who attend these meetings. The interest in civic affairs may suggest an association between attendance (yes/no) and the kind of house a person owns.

2. (a) D (b) E

3. (a) The distribution is unimodal (blur it) and left-skewed.

(b) greater than