

Form A

1. (a) There are 15 cases, and 8 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) 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.

U: A possible reason for opposing this answer is the argument that some packets are less densely-populated, and a sparser packet would tend to have larger estates / costlier homes. It's not the case that we wish to exclude expensive homes from the sample, but presumably the complaint arises from a worry of oversampling them.

2. (a) E (b) O

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

(b) less than