Instructions: Answer each question as thoroughly as possible. Round answers to 4 decimal places as needed. Exact answers are best when possible. Be sure to answer all parts of each question.

1. Explain the difference between descriptive statistics and inferential statistics.

Name

descriptive statistics menely describes available data.

Ingeneration Statistics their to use that to infer impormation about the whole population.

Describe the procedures for creating a stratified sample. Given an example of a situation in which it would be used.

break the data up into strata (groups) by some (attegered variable. Proportion the total sample size to the various groups. Simple random sample within each group.

- 3. For each of the following variables, identify whether the variable is i) categorical or numerical, ii) it's level of measurement (nominal, ordinal, interval or ratio), and if it is numerical iii) whether it is discrete or continuous (write NA if it does not apply).
 - a. Credit card number (on the card)

calegations nominal, NA

b. Religious affiliation

catigorical nominal, NA

c. Pain level

Categorical , NA

d. Decibels of a sound

interval, continuous

e. Commute time in minutes

rumenial ratio, continuous

4. Why are some studies conducted double blind?

to avoid researchers giving away subtle cluss to subjects That could afgest The results