

Comps study guide for Data Analysis (statistics)

The comp will probably focus on how you would approach a data analysis problem. Thus, you should concentrate on knowing which procedures and tests are appropriate to use under what circumstances (e.g. if you had two nominal level variables, how would you look for statistically significant associations between the two) and how to interpret any findings of the different statistical methods you learned about in class. In addition, pay attention to the following:

Writing appropriate hypotheses

Setting levels of statistical significance and understanding what levels of statistical significance represent

Methods for exploring and describing a data set

Hypothesis testing

One-tailed vs. two-tailed tests

If any computations are required, you will be provided with a list of formulas, so you do not need to memorize formulas (but be sure you know how to decide which formula is appropriate to use).