candidates should be able to:

Demonstrate knowledge of statistical methods for locating alpha. Including:

* Identify the four steps of hypothesis testing (i.e., state the hypothesis, formulate an analysis plan, analyze sample data, and interpret results)
* Discuss the error of accepting a hypothesis
* Recognize the four common problems with using inferential statistics (i.e., misinterpretation of high p-values, failure to distinguish between statistical significance and economic significance, violation of distributional assumptions, and misinterpretation of level of confidence)
* Define and discuss type I and type II errors in hypothesis testing
* Understand erroneous conclusions with statistical testing