

Bus 701: Advanced Statistics

Fall 2014

BUS 701 — with a view toward your *Yeterlilik Sınavı*

- You should not know less about basic statistics than a successful undergraduate student of business administration at Bilgi University.
- Reasonable goals are:
 - to know the basic statistical terminology, tools, and methods, as taught in BUS 273 and BUS 274 at Bilgi University,
 - understand basics and examples of statistical reasoning.
- Aspects concerning the latter:
 - goals of descriptive and inductive statistics;
 - assumptions, prerequisites, claims of inductive statistics in general;
 - estimation: meaning, methods;
 - hypothesis testing: logical structure of a significance test, possible outcomes, further actions.
- Good explanations can be found in HACKING, I.: *An Introduction to Probability and Inductive Logic*. Cambridge University Press, 2001.
- It is a good exercise to examine scholarly papers concerned with empirical analysis in your field of interest with a focus on their application of statistics (and, in particular, BUS 701 contents). Make sure the papers in question satisfy Bilgi University standards (e.g., they should be published in international, peer-reviewed journals; conference proceedings are usually not acceptable).
- You may also want to recapitulate the projects you worked out when taking BUS 701.