

PS2302 Instructions for Home Exam

The aim of this home exam is to test a measurement instrument. Data are found on CANVAS under the module “Factor Analysis” under the page “home-exam factor analysis”. You should:

1. Investigate each individual item with regards to aspects such as amount of **internal missing** and **distributional shape**.
2. Investigate the measurement instrument using **exploratory factor analysis** (EFA).
3. Investigate the **reliability** of the derived factors.
4. Report the results of your study.
5. Report and discuss the main conclusions of your study.

The home exam should be drafted as a manuscript for a scientific journal, including (only) the statistical analysis (part of methods), results, conclusions and references sections. The maximum number of pages is 6 (excluding references). Use Times New Roman 12 and 1.5 spaces between rows. Please follow APA-style guidelines and conventions.

This is an individual home exam in which you can obtain the grades Pass with distinction (VG), Pass (G), or Fail (U). If your home exam does not obtain the grade Pass you will be invited to revise your manuscript (according to the feedback provided). After revision your manuscript can obtain the grades Pass (G) or Fail (U).

Base your analyses, reporting of results and discussion on:

Fabrigar et al. (1999)

Field (2018); chapter 18,

Osborne & Fitzpatrick (2012)

Henson & Roberts (2006)

You may of course also refer to any other literature that you find relevant.

Good Luck!

Best regards,

Magnus and Pernilla