

Methodology and Statistics Checklist

Please complete the checklist below and upload it into your application. This form must be completed with reference to your transcript of records, i.e., all courses mentioned below must appear on your transcript of records. It is not necessary to have studied all topics in order to be admitted, so please complete this form accurately!

Please note: Your application will not be processed until we have received a completed checklist.

	For each topic, mark your level of proficiency with X				
М	ethodology	l am not familiar with this topic	I have been introduced to this topic, but I do not know the specifics	l attended and passed a course in which this topic was covered	If you took a course in which this topic was covered, add the name (not the code) of the course as it appears on your transcripts of records
1	Conceptual model				
2	Hypotheses (null and alternative H, directionality)				
3	Operational definitions, taxonomies and facet designs				
4	Moderators and mediators				
5	Confounding factors and spurious relations				
6	Experimental designs				
7	Quasi-experimental designs				
8	Mixed designs (within and between factors)				
9	Content and corpus analysis				
10	Focus groups				
11	Research interviews				
12	Validity (internal, external, construct, face)				
13	Reliability (homogeneity, generalizability, reproducibility)				
14	Scale types (Likert, semantic differential, Guttman)				
15	Sampling procedures (random, stratified, convenience)				

Statistics: Basic

16	Levels of measurement (nominal, ordinal, interval, ratio)						
17	Descriptives (mean, variance, standard deviation)						
18	Graphs (box plot, histogram, line chart, scatter plot)						
19	Linear regression and Pearson's r						
20	Type I and Type II errors						
21	Assumptions of parametric tests						
22	Contingency tables and Chi-square tests						
23	t-test (independent groups, matched pairs)						
24	One- and two-way Anova						
25	Confidence intervals and error bars						
26	Effect sizes (such as Cohen's d)						
27	Reliability indices (Cronbach's alpha, kappa)						
28	Non-parametric tests (Kruskall-Wallis, Friedman etc.)						
Statistics: Advanced							
29	Multiple and partial correlation						
30	Manova and repeated measurements Anova						
31	Effect sizes (such as partial eta-squared)						
32	Interaction effects and covariates						
33	Testing basic assumptions (homoscedasticity, normality etc.)						
34	Mediation analysis (method Hayes)						
35	Logistic regression						
36	Principal Components Analysis and Factor analysis						
Statistics: Use							
37	Code of conduct (fraud, plagiarism, informed consent)						
38	Defining and recoding data-files; computing new scores						
39	Running SPSS for (most) of the above types of analyses						
40	Running R for (most) of the above types of analyses						
41	Experience with other statistical software (please indicate)						

Please type your name and the date below. **By doing so, you are confirming that you have completed this checklist correctly.** It is your responsibility to ensure that the information is correct. If you are admitted to a program of study, based on the information completed above, and you have not completed it correctly, your study progress may be delayed.

Name:

Date: