

## The CDS Checklist for your MSc in Psychology

Name: \_\_\_\_\_

Date: \_\_\_\_\_

This checklist has been developed to help you complete your MSc in Psychology. Please note that it does not replace the official study requirements. Rather, this checklist should be thought of as an additional guide to help you channel your efforts and clarify expectations regarding important learning goals. More crucially, the checklist can be used to structure a discussion with your advisor(s) about your study goals, for example, at the beginning and end of each semester (or, of course, anytime in between!).

### Part A) Scientific content and fundamental knowledge

<b>1 Meetings, Scientific Exchange, Formalities</b>	What?	On it...	Got it!
CDS Brown Bag Meeting and CDS Annual Event	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Social, Economic, and Decision Psychology Colloquium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MSc Science Track	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bernoulli Activities and WWZ lectures/colloquium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Advisors and MSc thesis contract signed/submitted	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

  

<b>2 Theory and Practice of Decision Sciences</b>	What?	On it...	Got it!
Models of decision making (e.g., lens model, expected utility, prospect theory, game theory)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bounded and ecological rationality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Actuarial vs. clinical judgment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Neural basis of decision making	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Behavioral change techniques (e.g., nudging, incentivization, behavior change ontologies)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Open science (pre-registration, registered reports, open data and code)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Part B) Methods and tools

<b>1 Literature Search and Reading Scientific Literature</b>	What?	On it...	Got it!
Search engines (PsychInfo, PubMed, WoS, Cochrane and Campbell Collaborations, COSMIN, PROSPERO)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PRISMA and CONSORT guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Strategies for reading a scientific paper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reference management (e.g., Zotero)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Visualizing bibliometric information (e.g., VosViewer, bibliometrix package for R)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>2 Design/Program Experiments and Surveys</b>	What?	On it...	Got it!
Survey (Unipark, Qualtrics, LimeSurvey, movisens)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lab experiment (E-prime, Psychopy)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Data Science (basics)</b>	What?	On it...	Got it!
Create scripts using R Studio and Markdown	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Read data into R from several formats excel, csv, SPSS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Make a plot using base R or ggplot2 and saving as jpg or eps files	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run a correlation and regression and save output as csv, or LaTeX table	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run power analysis with G*Power or R	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data storage and saving			
<b>4 Data Science (advanced)</b>	What?	On it...	Got it!
Run a structural equation model (lavaan)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run a multi-level regression model (lme4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Run a meta-analysis (metafor)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quasi-experimental methods for causal inference (e.g., time series, regression discontinuity, differences in differences)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Writing Skills</b>	What?	On it...	Got it!
APA Guidelines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Text formatting (e.g., Word, LaTeX, Overleaf)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Thesis/scientific manuscript	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IRB applications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emails/letters, CV	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>6 Soft Skills</b>	What?	On it...	Got it!
Presentation: Giving a good talk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Successful feedback: Giving and taking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Staying on track: Project management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Part C) Own goals**

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