

PSYC 5801 B – MISSING DATA

Course	PSYC 5801 B: Introduction to Missing Data Theory and Analysis
Instructor	Nassim Tabri
Term	Winter 2021
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Office Location	
Office Hours	TBD

COURSE DESCRIPTION/INSTRUCTOR'S STATEMENT

This course will provide students with basic knowledge about missing data theory, implications of missing data for the results of data analyses, and potential solutions. We will begin with a discussion of missing data theory and the types of mechanisms that can generate missing data. This will be the theoretical foundation from which we will learn about detection of missing data patterns and handling of missing data for various statistical analyses (e.g., linear regression, moderation, mediation, growth curves). We will also discuss the frameworks of Full Information Maximum Likelihood (FIML) and multiple imputation (MI) and apply these two missing data handling methods to one or more datasets with missing values. In addition, we will cover a priori research methods that may help enhance missing data estimation. Lastly, you will be introduced to planned missingness research designs, which help minimize the burden on participants in terms of completing study tasks and materials. Please note that this description may change.

EVALUATION

Students will be evaluated based on their performance on exams, assignments, and a presentation. Please note that the evaluation criteria may change.

TEXT

Enders, C. K. (2010). Applied Missing Data. Guilford Press. Please note that the text may change and so please check with the Dr. Tabri before purchasing the book.