

ANIMATAS Training Event 10.12.18 – 14.12.18

Experimental Methods in Psychology

Jacobs University Bremen

Monday 10th

Session 1. General Introduction to Research in Psychology

Tuesday 11th

Session 2. Psychological Research Methodology

2.1. The Scientific Method

2.1.2. Hypothesis testing

2.2. Basics of Experimental Design

2.2.1. Constructs and variables

2.2.2. Operationalising variables

2.2.3. Factorial and non-factorial designs

Session 3. Confounds and Control Techniques

3.1. Design related confounds

3.2. Procedural confounds

3.3. Reactivity

3.4. Measurement

Activity Session 1.

Wednesday 12th

Session 4. Experimental Design

4.1. Reliability

4.1.1. Inter-rater

4.1.2. Test-retest

4.1.3. Parallel / alternate forms

4.1.4. Inter-item consistency

4.2. Validity

4.2.1. Construct validity

4.3.2. Criterion validity

4.3.3. Convergent / Divergent validity

4.3.4. Face validity

Activity Session 2.

Session 5. Psychometrics

- 5.1. Standardisation
- 5.2. Types of Data
- 5.3. Coding data
- 5.4. Pilot studies

Session 6. Methods of Data Collection

- 6.1. Recruiting Participants
- 6.2. Survey Design / Conducting Online Studies
- 6.3. Developmental Psychology and Data Collection with Children

Thursday 13th

Session 7. Statistics

- 7.1. Introduction to Statistics
- 7.2. Analysing Psychological Data

Session 8. Non self-report measures

- 8.1. Psychophysiology
- 8.2. Behavioural coding

Activity Session 3.

Friday 14th

Session 9. Ethical and Practical Considerations

- 9.1. Ethics in Psychology
- 9.2. Interdisciplinary Considerations

	Monday	Tuesday	Wednesday	Thursday	Friday
7:15 – 8:00		Breakfast	Breakfast	Breakfast	Breakfast
9:00 – 10:15		The Scientific Method	Reliability and Validity	Introduction to Statistics	Ethics in Psychology
10:15 – 10:30		Coffee Break	Coffee Break	Coffee Break	Coffee Break
10.30 – 12:30		Basics of Experimental Design	Activity Session	Analysing Psychological Data	Interdisciplinary Considerations and Closing
12:30 – 14:00	<i>Arrival</i>	Lunch	Lunch	Lunch	<i>Departure</i>
14:00 – 15:30	Introduction Round	Confounds and Control Techniques	Psychometrics	Psychophysiology	
15:30 – 15:45	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
15:45 – 17:15	General Introduction to Research in Psychology	Activity Session	Methods of Data Collection	Activity Session	
17:15 - 18:00	<i>Check in guesthouse</i>	<i>Free time</i>	Christmas Markets	<i>Free time</i>	
18:00-19:00	Dinner	Dinner		Dinner	
20:00	Optional: Trip to Schlachte Christmas Markets	ESR Activity - Escape Room	Dinner Ratskeller	Pub Crawl	

