

Summer 2022 Assignments

Please read carefully and have ready by the 1st day of school
(September 7th)

1. Psychology IA

Reminder: The internal assessment (IA) in IB psychology is a replication of a simple experiment. The experiment must be carried out in a group, with no more than four students. The IB requirement for the internal assessment is to carry out an experiment, in which there is one independent variable (IV) and one dependent variable (DV). Below please find detailed instructions on your **IA Summer Assignment**. Please note that **only Task A** is group work – everything else is **individual** work! Also note that ALL TASKS will be marked on Skyward upon completion, coming **September 7!**

Task A. Wrap up your Group Work if you haven't done so already



Note! Most groups have **already completed Task A**; if this is the case for your group go straight to Task B.

Please consult the IA samples on our Moodle shell - Also review the respective textbook chapter [HERE](#).

Then go ahead and create **in collaboration with your group members** the required, for the IA replication, MATERIALS:

1. Informed consent letter
2. Briefing notes (aka Standardized Instructions)
3. Debriefing notes
4. IA Proposal (condensed version)
5. **ALL** other material(s) needed for your replication - **customized** to any modifications you have implemented.
7. A blank table to insert your Raw Data, once you obtain it in September

You should be working on a **shared** (with all group members and myself) **G-folder**. **Note!** This is the **only** folder you will share with each other regarding the IA; NO other work will be shared!

Further Note: **Recency** effect - final impressions count! (Materials -in the form of Appendices- are presented at the **very end** of the report); make sure all of your materials are well organized, visually appealing and easily reviewed (adequate spacing and clarity of presentation, matter!)

Task B. Write **YOUR** IA – **INTRODUCTION** – INDIVIDUAL work!

You will use the **individual** IA G-folder you have already created named “**Last Name_ First Name_Psychology IA**” and have shared ONLY with me!!

Any work completed from now on, relevant to YOUR report, will go directly into this folder!

Proceed to **review the [relevant resources on Moodle-HERE](#)**

Start writing your own introduction taking into consideration that it should not exceed 700 words.

- Present all relevant definitions/information by providing appropriate **in-text citations** (APA or MLA) and references (at the end).
- Take special care to clearly describe the relevant **theory** in detail and outline the original **study**.

Make sure you include ALL required sections as seen in the IA Introduction Checklist below!

I. Introduction Checklist!

Background & Context – You should have...

- The theory or model upon which the study is based is summarized **in detail** (~15-20 lines)
- A BRIEF reference to one additional (to the original that you are replicating) study supporting the same theory/ same explanation of the phenomenon under investigation. This reference should be focused on how the **findings** of this additional study also support the same phenomenon/theory (~3-5 lines)
- The original study being replicated is summarized (aim, procedure, results, conclusion/implications ~10 lines)

Your own Investigation (the study you are carrying out) – make sure you explicitly mention the following:

- An explanation of how your study is linked to the theory/model (~5 lines)
- The aim of your study - clearly stated (~2-3 lines)
- The relevance of your study => clearly explained (why is this investigation of significance? ~3-5 lines)
- The IV - clearly stated and operationalized (~1 line)
- The DV – clearly stated and operationalized (~1 line)
- The research hypothesis and null hypothesis are clearly stated (The IV and DV are operationalized within the research and null hypotheses) (~1-2 lines each)

Note! Don't describe the procedure of your study here! This will happen in the Exploration section.

Task C. Writing **YOUR** IA– **EXPLORATION** – INDIVIDUAL work!

Proceed to review [Moodle relevant resources](#) carefully:

Start drafting your own exploration taking into consideration that you are expected to:

- Explain the experimental **design**
- Explain the **sampling** technique used as well as **characteristics** of the participants.
- Explain how you **controlled** variables in your experiment.
- Explain the choice of **materials**, i.e. how they were designed or selected.
- Outline the **procedure** that was followed.

Note! At this point you can write this part of your report using FUTURE tense but later on (after the experiment has been conducted) you will be asked to go back and use PAST tense.

Make sure you include ALL required sections as seen in the IA Exploration Checklist below!

I. Exploration

The research design is:

- Stated and described – what design did you use and how did you use it?
- Explained – WHY did you use this design?

The sampling method is:

- Stated and described - what sampling method did you use and how did you get your sample using this method?
- Explained – WHY did you use this method?

The participants are:

- Described – what are the characteristics of your participants:
 - Age, gender, ethnicity, language, occupation, other(s)?
- Explained - WHY did you choose these participants? (at least one characteristic)

Controlled variables are:

- Explained – how and why did you control for one or more extraneous variables?

Choice of materials

- Stated – what were the important materials you used in your study¹
- Explained – how you created these² and WHY?
 - Focus on materials used to manipulate the IV and/or measure the DV.

Once you have completed Tasks B and C **send me an email** to notify me that your work has been submitted through the G-Folder.

ALL INTRODUCTIONS and EXPLORATIONS will be processed through TURNITIN!

¹ Don't explain generic materials like pens, desks, and projectors. Explain the materials directly relevant to the manipulation of your IV (e.g. things like choice of videos, images, questionnaires, tests, word lists, etc.)

² Explanation of creating materials might also show controlling of variables.

2. Paper 1 BA – The Brain and Behavior Review Assessment

Proceed to study for a revision **SAQ test** to be taken in **early September** on Paper 1 - BA (The Brain and Behavior – see below for relevant Learning Objectives - LOs). We will dedicate a couple of classes once we are back to go over questions and study guides.

BA – THE BRAIN AND BEHAVIOR	
RESEARCH METHODOLOGY	<ul style="list-style-type: none"> ✓ HM (Case Study) ✓ Draganski (Experiment) ✓ Maguire (Experiment)
ETHICS	<ul style="list-style-type: none"> ✓ HM (the complexities of Informed Consent - objectification) ✓ Antonova (Undue stress/possible harm) ✓ Sharot ✓ One of the two animal studies
LOCALIZATION OF BRAIN FUNCTION	<ul style="list-style-type: none"> ✓ HM ✓ Maguire ✓ Sharot ✓ Draganski
NEUROPLASTICITY - neural networks (SAQ only - Maguire) - neural pruning (SAQ only - Draganski)	<ul style="list-style-type: none"> ✓ Maguire ✓ Draganski ✓ Rosenweig et al.
- NEUROTRANSMISSION - neurons (SAQ only - Antonova or Troster and Beatty) - agonists (SAQ only - Antonova or Troster and Beatty) - antagonists (SAQ only - Antonova or Troster and Beatty) - excitatory synapses (SAQ only - Antonova or Troster and Beatty) - inhibitory synapses (SAQ only - Crockett et al. -> focus on serotonin as an inhibitory neurotransmitter)	<ul style="list-style-type: none"> ✓ Antonova ✓ Troster and Beatty ✓ Crockett et al.
TECHNIQUES TO STUDY THE BRAIN	<ul style="list-style-type: none"> ✓ HM (Corkin) / MRI ✓ Maguire / MRI ✓ Sharot/ fMRI

As soon as we finish the entire BA (end of September), a **summative assessment on the BA**, that will count towards your October predictions, will take place (**early October**).

Have a happy and safe summer everyone!