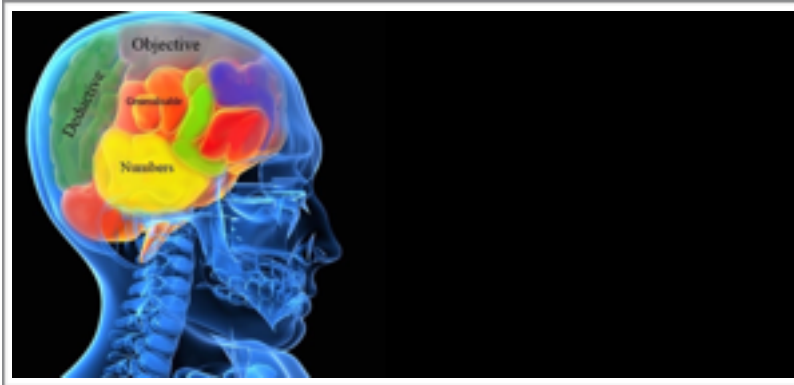# QUANTITATIVE

How the psych lab can support students doing quantitative dissertations

Why should I read this?

Now you are a psychology dissertation student your UniCard gives you unlimited access to the lab in WB138 Watson Building (first door on the left as you enter Watson Building from campus). This guide brings together all the lab support for quantitative research. There is another guide for qualitative research. Click the **green links** for further online information.

If you want to explore anything in here further please visit the lab's website (link at bottom of the page) or contact the psychology technicians.

Help with face-to-face studies and surveys

SONA helps recruit participants for lab studies more easily and book the experimental booths. *You must use SONA if you are recruiting participants face to face.*

QUALTRICS is a survey tool which allows you to create a large variety of questions. Apart from typical Likert scales, you can present (interactive) images, video & audio, and measure time. *You must not use other survey providers as they may not comply with ethics requirements for data storage.*

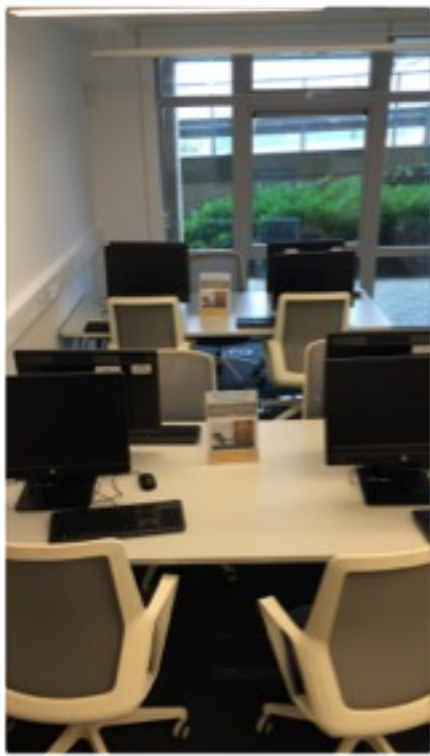You'll be offered workshops for both systems in due course.

Lab spaces

Click **here** for a lab virtual tour!

- **2 person soundproofed booths** - four can be booked on SONA. Ideal for computer-presented experiments. Each has two seats and a computer.

- **3-4 person soundproofed booths** - you can **book** two of these, ideal for computer-presented experiments.

- **Teaching area** - 8 computers with SPSS for third year psychology students to use - ideal when the library is packed, and any other time! You can **book** the teaching area if you want to run an experiment on 8 people at a time. You can also book the lab's smart whiteboard for group work.

- **Creative methods lab** - funded by the Transforming Sexuality and Gender Research Cluster so the Cluster has priority. A 15 person multifunctional space. This contains a Mac pro, 42″ 3D HDTV and Nintendo Wii. **Book** through the psychology technicians

Computers and iPads

Dissertation students can use any of the **lab's teaching area computers** during opening hours, great for when the library is full and you need to write up your dissertation!

We have **laptops** and **iPads** which we can lend to staff and students. These are perfect for questionnaires - so you can recruit and record responses from participants wherever you are!

Want to know more?

Please speak to the Psychology Technicians if you have any questions about what is available, or you want any advice or technical help with anything the lab offers. They are in the office at the back of the lab, WB139 Watson Building, and would be delighted to help!

Help choosing measures and equipment

• **Questionnaires: Over 90 psychometric questionnaires** available on the lab's website.

• **Computer experiments:** Perception and cognition experiments on **PsyCog CD**, or get trained on building your own with SuperLab or E-Prime. Response pads enable participants to respond by pressing keys or speaking aloud.

• **Psychophysiology: body analyser** to measure body weight, body fat percentage, heart rate and air quality, **finger pulse oximeter** to measure pulse, a **blood pressure cuff** and an **EEG headset** which can detect a range of emotions, **BioPac** which can measure EEG, ECG, skin conductance, pulse rate, heart rate and more.

• **Body ownership:** a fake hand to create the **rubber arm illusion.**

• **Eye tracking**: use mounted **eye tracker** or eye-tracking glasses to measure eye-movements, gaze duration and saccades.

• **Virtual Reality:** present stimuli and study social interactions in an immersive 3D virtual environment using OculusGO VR headset

• **Other equipment:** Wearable cameras, disguised camera glasses, stopwatches, hand tallies to count large numbers of people, **'drunk buster' goggles** to simulate drunkness, robot docks to observe a room remotely.

Help with data analysis

• All lab computers have **SPSS** installed.

• You can purchase **SPSS for your own computer for £6** through the Computer Store.

• The lab provides a range of **SPSS and data analysis help.**

• Help with crunching down raw output from computer experiments

• Training on analysing eye-tracking and psychophysiology data, and integrating them using **Noldus** software.