

# QUANTITATIVE

## How the psych lab can support students doing quantitative dissertations

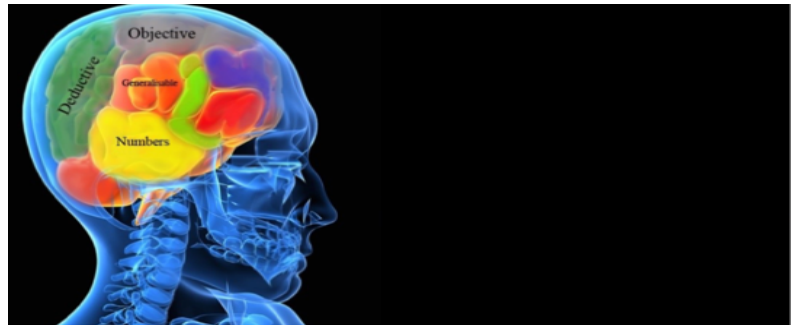
### Lab spaces

Click [here](#) for a virtual tour!

- **2 person soundproofed booths** - Ideal for computer experiments. Each has two seats and computer.
- **3-4 person soundproofed booths** - ideal for larger computer experiments.
- **Teaching area** - 8 computers with SPSS for use at any time. You can also **book** it to run experiments on 8 people at a time and use the smart whiteboard for group work.



- **Creative methods lab** - 15 person multifunctional space with Mac pro, 42" 3D HDTV and Nintendo Wii. **Book** via psychology technicians (agreement of your supervisor needed).



### Why should I read this?

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

### Face-to-face studies

**SONA** enables you manage recruitment of participants and book the experimental booths.

### Online surveys

To run online surveys you must use **Qualtrics** because it is ethically compliant unlike online other providers. It is easy to create surveys such as Likert questionnaires as well as present images, video & audio. We also have a regularly updated database of over **90 freely available psychometric questionnaires** with journal articles, as well as paper surveys. We can also lend you **iPads** for data collection if your supervisor agrees to you collecting data in this way.

### Computer experiments

We offer 20 "off the shelf" experiments on a **PsyCog CD** and **Cyberball**. We can help you program your own experiment on **SuperLab**, such as an **IAT** or **Stroop task**. Response pads allow responses by pressing coloured keys or speaking aloud.

## Measuring biometrics

We offer **research grade equipment** to explore unconscious processes.

You can use a **bench mounted eye tracker** or **eye tracking glasses** to measure where a participant is looking on a screen or in real life, and measure fixations and saccades.

**NEW!** We have a new wireless Epoc **EEG headset** to easily measure brain activity in response to anything, obtain graphs of: stress; engagement; interest; focus; excitement; relaxation.

You can use **BioPac** to measure subconscious psychophysiology such as skin conductance, heart rate and respiration rate, or create a lie detector.

We also offer a **body analyser** to measure body weight, body fat percentage, heart rate and air quality, **finger pulse oximeter** to measure pulse, a **blood pressure cuff** a simple **EEG headset** to detect a range of emotions.

## New this year! Virtual Reality

We have 2 **Oculus Go** headsets to immerse people in virtual worlds, and funding to purchase apps from the **Oculus store**, if you and your supervisor agree to use it in your dissertation.

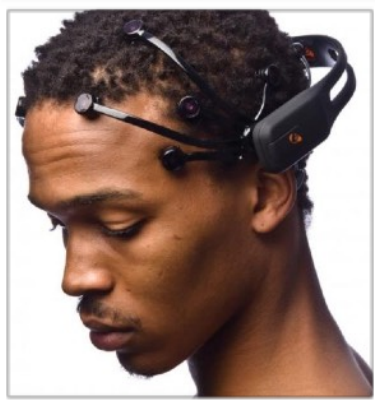
## Other equipment

Wearable cameras, disguised camera glasses, stopwatches, hand tallies to count large numbers of people, **'drunk buster' goggles** to simulate drunkenness and cannabis intoxication, robot docks to observe rooms remotely, and a fake hand to create the **rubber arm illusion**.

## Help with data analysis & design

All lab computers have **SPSS**, you can purchase **SPSS for your own computer for £6** through the Computer Store. The lab and the psychology technicians provide a range of **SPSS and data analysis help**.

We can help you come up with ideas for your dissertation and experimental design even before you discuss your ideas with your supervisor - please pop into the lab and ask for Joe or Martina - your psychology technicians.



### 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. We are in the office at the back of the lab, WB139 Watson Building, and would be delighted to help!