Gabriel Strain BSc (Hons)

HOME: Manchester
gabrielstrain@gmail.com

UNIVERSITY: Neuroscience and Exp. Psychology Division
University of Manchester
Manchester, Oxford Road, M13 9PL
gabriel.strain@postgrad.manchester.ac.uk

RESEARCH INTERESTS:

My research interests are data science and statistics, mental health, and graph perception. Currently I am undertaking a MRes in Psychology and am investigating how varying certain aspects of risk communication graphs can affect people's perception of risk strength.

EDUCATION:

2020 – **MRes Psychology**
University of Manchester
Thesis (ongoing) supervised by Dr. Andrew Stewart

Thesis title: *Investigating the Effects of Flipped Axes and Varying Axis Limits on Risk Perception.*

2017 – 2020 **BSc Psychology (Hons, 2:1)**
University of Manchester
Undergraduate dissertation supervised by Dr. Andrew Stewart

Dissertation title: *An Investigation Into How Misaligned Titles Can Affect the Perception of Correlation Strength in Scatterplots.*

Topics Studied: Clinical and Health Psychology, Evolutionary Psychology, Statistics, and Experimental Psychology.

2015 – 2017 **MBChB Medicine, preclinical years**
University of Manchester

I received training in anatomy, communication skills, and problem solving. Personal factors caused me to internally transfer to a BSc Psychology degree.

2013 – 2015 **A Level Maths (A*), Biology (A) and Chemistry (A)**
Stonyhurst College

RESEARCH EXPERIENCE:

2019 – 2020 **Undergraduate Dissertation as part of BSc Psychology**

I carried out experimental work to investigate whether having misaligned (biased) titles accompanying scatterplots could affect people's perceptions of correlation strength. Under supervision I developed a research question, produced a literature review, carried out experimental pen-and-paper testing, performed a statistical analysis, and wrote it up. I achieved a first class grade for this project (74), and it spurred me on to pursue research into data visualisations further.

WORK HISTORY:

Summer 2019 **Careers Video Intern**
University of Manchester Careers Service

- Responsible for the production of a series of video interviews with UoM alumni.

- Completed all aspects of production; sourcing interviewees, shooting on location around the university, and editing and publishing the videos.

2018 **Secondary Maths tutor at the Tutor Trust**

- Tutored GCSE maths at a range of levels at a secondary school in Greater Manchester. Many of my tutees were getting left behind by the large class sizes found in state secondary schools.

ADDITIONAL SKILLS:

- Confident in a range of statistical analysis techniques. Currently learning to code in R, Visual Studio Code, and Python.

- Extensive experience teaching and leading (bands, choirs, working groups) has given me a high degree of confidence in my abilities in these areas.

- Passionate about open science and science communication.

REFERENCES:

Dr. Andrew Stewart
School of Biological Sciences
Division of Neuroscience and Exp. Psychology
University of Manchester
Oxford Road, Manchester
M13 9PL
Andrew.J.Stewart@manchester.ac.uk

Dr. Doron Cohen
School of Health Sciences
Division of Psych. & Mental Health
University of Manchester
Oxford Road, Manchester
M13 9PL
Doron.Cohen@manchester.ac.uk