

SCOTT HANNAH

I am a final year PhD student who has experience of teaching and researching physiology and exercise physiology. I have a passion for research methodologies, statistics and data science. I have worked in a variety of roles ranging from Lecturer of Physiology to Dance Science Laboratory Technician. I like collaborative environments where I can learn from my peers. Currently searching for a position that allows me to research human physiology and develop data science tools to analyse physiological data.

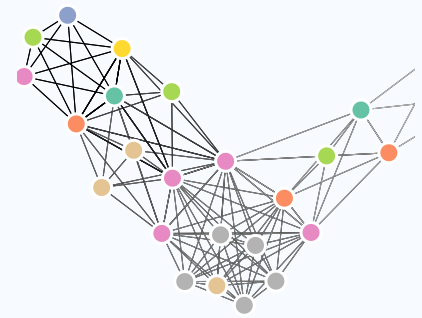
EDUCATION

- Current | 2017
- **PhD. Researcher, Physiology**
Ulster University 📍 Jordanstown, Northern Ireland
 - Investigating the effects of exercise on calcium metabolism and bone health.
 - University Graduate Fellow
- 2015 | 2014
- **MSc, Sport and Exercise Physiology (Distinction)**
Middlesex University 📍 London, UK
 - Thesis: The Effect of Postural Position on Lower Limb Arterial Occlusion Pressure.
- 2014 | 2011
- **BSc (Hons), Sport and Exercise Science**
University of Suffolk 📍 Ipswich, UK

RESEARCH EXPERIENCE

- Current | 2017
- **PhD. Researcher, Physiology**
Ulster University 📍 Jordanstown, Northern Ireland
- 2016 | 2015
- **Dance Science Researcher**
Trinity Laban Conservatoire of Music & Dance 📍 London, UK
- 2015 | 2014
- **Research Assistant**
Middlesex University 📍 London, UK
- 2014 | 2011
- **Undergraduate Researcher**
University of Suffolk 📍 Ipswich, UK

INDUSTRY EXPERIENCE



View this CV online with links at
[_https://scott-hannah.com/cv_](https://scott-hannah.com/cv_)

CONTACT

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📄 [github.com/Scott-S-](https://github.com/Scott-S-Hannah)
Hannah
🌐 scott-hannah.com
in
<https://uk.linkedin.com/in/scott-hannah-1182a999?trk=pub-pbmap>

LANGUAGE SKILLS



Made with the R package [page-down](#).

The source code is available on [Github](#).

Last updated on 2020-06-17.
Freelance data scientist looking for projects to help with.

2020
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2020



Freelance Data Scientist

Self-employed

📍 Belfast, UK



TEACHING EXPERIENCE

2020



Part-time Lecturer and Demonstrator

Ulster University

📍 Jordanstown, Northern Ireland

- Delivered numerous lectures on physiology and exercise physiology.
- Prepared and delivered physiology and exercise physiology laboratory skills to all Undergraduate years.

2019
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2016



Research Supervisor

British College of Osteopathic Medicine

📍 London, UK

- Supervised an students enrolled on an online distance learning course. Provided distance learning support catered to student projects.
- This involved helping students prepare a research proposal, ethical applications and writing their thesis.
- Graduate level class

2018
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2015



Associate Lecturer of Exercise Physiology

Westminster University London Metropolitan University

📍 London, UK

- Delivered numerous lectures on physiology and exercise physiology.

2017
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2016



Lecturer of Physiology and Exercise Physiology

British College of Osteopathic Medicine

📍 London, UK

- Module coordinator for: Physiology, Biochemistry, Advance Physiology and Exercise Physiology
- Topics involved cardiopulmonary, renal, gastrointestinal and exercise physiology, and endocrinology.
- Ethical Comittee Member

2016
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2015



Dance Science Laboratory Technician

Trinity Laban Conservatoire of Music & Dance

📍 London, UK

- Prepare, delivered and assessed the Laboratory Skills module for postgraduate students.
- Provided students with the neccessary skills to perform physiological assessments.
- Responsible for maintaining the laboratory. Duties included, but not limited to, maintaining supplies, health and safety, finances, commercial testing and teaching.

I am passionate about education. I believe that no topic is too complex if the teacher is empathetic and willing to think about new methods of approaching task.



SELECTED DATA SCIENCE WRITING

I regularly blog about data science and visualization on my website⁷

- 2018
- **Classifying physical activity from smartphone data²**
RStudio Tensorflow Blog
 - Walk through of training a convolutional neural network to achieve state of the art recognition of activities from accelerometer data.
 - Contracted article.



SELECTED PRESS (ABOUT)

- 2017
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2017
- **Great paper? Swipe right on the new “Tinder for preprints” app³**
Science
 - Story of the app Papr⁴ made with Jeff Leek and Lucy D’Agostino McGowan.
- 2017
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2017
- **Swipe right for science: Papr app is “Tinder for preprints”⁵**
Nature News
 - Second press article for app Papr.
- 2016
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2016
- **The Deeper Story in the Data⁶**
University of Vermont Quarterly
 - Story on my path post graduation and the power of narrative.



SELECTED PRESS (BY)

- 2016
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2016
- **The Great Student Migration⁷**
The New York Times
 - Most shared and discussed article from the New York Times for August 2016.
- 2016
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2016
- **Wildfires are Getting Worse, The New York Times⁸**
The New York Times
 - GIS analysis and modeling of fire patterns and trends
 - Data in collaboration with NASA and USGS
- 2016
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2016
- **Who’s Speaking at the Democratic National Convention?⁹**
The New York Times
 - Data scraped from CSPAN records to figure out who talked and past conventions.
- 2016
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2016
- **Who’s Speaking at the Republican National Convention?¹⁰**
The New York Times
 - Used same data scraping techniques as Who’s Speaking at the Democratic National Convention?

2016
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2016



A Trail of Terror in Nice, Block by Block¹¹

The New York Times

- Led research effort to put together story of 2016 terrorist attack in Nice, France in less than 12 hours.
- Work won Silver medal at Malofiej 2017, and gold at Society of News and Design.



SELECTED PUBLICATIONS, POSTERS, AND TALKS

2020
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2020



Take My Breath Away? Hypoxia and Bone: A Narrative Review

Under review

- Authored with Sonyia McFadden, Andrea McNeilly and Conor McClean.

2018
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2018



The Effect of Postural Position on Lower Limb Arterial Occlusion Pressure¹²

23rd Annual Congress of the European College of Sport Science

- Authored with Stuart Miller of the William Harvey Research Institute, Queen Mary University of London.

2015
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2015



Asymmetric Linkage Disequilibrium: Tools for Dissecting Multiallelic LD

Journal of Human Immunology

- Authored with Richard Single, Vanja Paunic, Mark Albrecht, and Martin Maier.



LINKS

- 1: <https://scott-hannah.com>
- 2: <https://blogs.rstudio.com/tensorflow/posts/2018-07-17-activity-detection/>
- 3: <https://www.sciencemag.org/news/2017/06/great-paper-swipe-right-new-tinder-preprints-app>
- 4: <https://jhubiostatistics.shinyapps.io/papr/>
- 5: <https://www.nature.com/news/swipe-right-for-science-papr-app-is-tinder-for-preprints-1.22163>
- 6: <https://www.uvm.edu/uvmnews/news/deeper-story-data>
- 7: <https://www.nytimes.com/interactive/2016/08/26/us/college-student-migration.html?smid=pl-share>
- 8: <https://www.nytimes.com/interactive/2016/07/25/us/wildfire-seasons-los-angeles.html>
- 9: <https://www.nytimes.com/2016/07/26/upshot/democrats-may-not-be-unified-but-their-convention-speakers-are.html>
- 10: <https://www.nytimes.com/2016/07/19/upshot/whos-not-speaking-how-this-republican-convention-differs.html?smid=pl-share>
- 11: <https://www.nytimes.com/interactive/2016/07/14/world/europe/trail-of-terror-france.html>
- 12: https://www.researchgate.net/publication/326693301_The_Effect_of_Postural_Position_on_Arterial_Occlusion_Pressure_in_the_Lower_Body_A_Methodological_Consideration_for_Blood_Flow_Restriction_Training