

# Sebastien Peytrignet

*Data Scientist*

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Swiss National, d.o.b. 8/2/1990

🌐 [sg-peytrignet](https://github.com/sg-peytrignet)

## Experience

- January 2022 - July 2023 **The Health Foundation, Senior Data Analyst, London**
- I was the lead analyst for the Networked Data Lab, a cutting-edge programme that creates novel datasets by linking data sources from separate health and social care providers.
  - I oversaw the analyses from five teams across the UK, providing methodological guidance, coding support and quality assurance of outputs to twelve local analysts.
  - I engaged with senior government stakeholders to support the transformation of services in the areas of hospital discharge, adolescent mental health and support for unpaid carers.
- July 2020 - December 2021 **The Health Foundation, Data Analyst, London**
- As a data analyst for the UK's second-largest healthcare think tank, I contributed to time-sensitive analysis projects on COVID policies aimed at clinically vulnerable people.
  - I collaborated with the University College London hospital on innovative data-driven approaches to improve the coordination of their outpatient services.
- June 2018 - June 2020 **Simetrica-Jacobs, Econometrician, London**
- I worked for a research consultancy, part of the global Jacobs Engineering group, to assess the impact of large-scale urban regeneration projects in Edinburgh City Centre, London Euston train station and sections of the Highways England network.
  - I produced online tools to assess the impact of infrastructure projects on transport, the environment and quality of life, while teaching in-person courses on impact evaluation.
- July 2015 - November 2017 **University of Manchester, Statistician, Manchester**
- I led the analysis for the European Scleroderma Observational Study, a large international multi-centre clinical study. I delivered high-impact findings on treatment effectiveness for this rare disease along with prediction models on disease progression.
  - During a placement at the the Salford Royal NHS Foundation Trust, I demonstrated the performance of novel, smartphone-supported imaging techniques for vessels.
- January 2015-June 2015 **World Trade Organization, Research intern, Geneva**
- As an intern in the Economic Research and Statistics Division, I contributed to the 2015 World Trade Report on the Trade Facilitation Agreement.

## Education

- 2023 (ongoing) **Certificate of Open Studies in Applied Data Science: Machine Learning, École Polytechnique Fédérale de Lausanne**
- 2012-2014 **MSc in Economics: Econometrics major, University of Geneva, GPA: 5.3/6**
- Master's Thesis: *Heteroskedastic Probit models: an MCEM approach* - winner of the Pictet Foundation prize for best thesis in Statistics
- 2008-2011 **Bachelor in Business Administration, University of Geneva, GPA: 5.1/6**

## Programming skills

**R**  
Advanced

**Python**  
Advanced

**Stata**  
Advanced

**Power BI**  
Advanced

**QGIS**  
Advanced

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## Certificates

- 2021 **Vaccination Care Volunteer**, *St John's Ambulance*  
2020 **Agile Project Management: Certified Scrum Master**, *Scrum Alliance*

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## Languages

French	Spanish	English	German
Native	Native	Fluent	Good (B1)

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## Publications

### Industry publications and blogs

- 2023 **Understanding unpaid carers and their access to support**, *S Peytrignet, F Grimm, C Tallack*  
The Health Foundation [\[link\]](#)
- 2023 **Waiting for NHS hospital care: the role of the independent sector in delivering orthopaedic and ophthalmic care**, *E Coughlan, J Keith, T Gardner, S Peytrignet, J Hughes, C Tallack*  
The Health Foundation [\[link\]](#)
- 2022 **Waiting for NHS hospital care: the role of the independent sector**, *S Peytrignet, J Hughes, E Coughlan, J Keith, T Gardner, C Tallack*  
The Health Foundation [\[link\]](#)
- 2022 **Getting started with NHS mental health data: a practical guide for analysts**, *S Peytrignet*  
Medium (Towards Data Science) [\[link\]](#)
- 2022 **Improving children and young people's mental health services: local data insights from England, Scotland and Wales**, *F Grimm, B Alcock, J Butler, R Fernandez Crespo, A Davies, S Peytrignet, R Piroddi, R Thorlby, C Tallack*  
The Health Foundation [\[link\]](#)
- 2022 **Children and young people's mental health: COVID-19 and the road ahead**, *S Peytrignet, K Marszalek, F Grimm, R Thorlby, T Wagstaff*  
The Health Foundation [\[link\]](#)
- 2021 **Assessing the impact of COVID-19 on the clinically extremely vulnerable population**, *K Hodgson, J Butler, A Davies, S Houston, K Marszalek, S Peytrignet, R Piroddi, F Wood, S Deeny*  
The Health Foundation [\[link\]](#)
- 2021 **How has hospital use among those clinically extremely vulnerable to COVID-19 been impacted by the pandemic?**, *K Hodgson, S Peytrignet, K Dreyer*  
The Health Foundation [\[link\]](#)
- 2020 **Understanding the needs of those most clinically vulnerable to COVID-19: Unanswered questions about the shielded population**, *K Dreyer, S Peytrignet*  
The Health Foundation [\[link\]](#)
- 2020 **Loneliness monetisation report: monetised impacts associated with loneliness stemming from subjective wellbeing, health and productivity**, *S Peytrignet, S Garforth-Bles, K Keohane*  
UK Government's Department for Culture, Media and Sport [\[link\]](#)

- 2020 **Elective care in England: Assessing the impact of COVID-19 and where next**, *T Gardner, C Fraser, S Peytrignet*  
The Health Foundation [\[link\]](#)
- 2020 **The Wellbeing Costs of COVID-19 in the UK**, *D Fujiwara, P Dolan, R Lawton, F Behzadnejad, A Lagarde, C Maxwell, S Peytrignet*  
Independent Research Report by Simetrica-Jacobs and the London School of Economics and Political Science [\[link\]](#)
- 2015 **The World Trade Organisation Trade Facilitation Agreement: reductions in trade costs**, *World Trade Report 2015*. Geneva: WTO Press, Chapter II.D.1, pp. 74-79  
[\[link\]](#)

## Peer-reviewed journal articles

- 2021 **The clinically extremely vulnerable to COVID: Identification and changes in healthcare while self-isolating (shielding) during the coronavirus pandemic**, *J Butler, M Nath, D Blana, W Ball, N Beech, C Black, G Osler, S Peytrignet, K Wilde, A Wozniak, S Sawhney*  
International Journal of Population Data Science. [\[link\]](#)
- 2020 **Further evidence that calcinosis is associated with repetitive trauma in systemic sclerosis**, *M Hughes, R Hodgson, J Harris, N Porter, S Jackson, A Kirwadi, J Manning, S Peytrignet, AL Herrick*  
Seminars in Arthritis and Rheumatism. [\[link\]](#)
- 2019 **Imaging calcinosis in patients with systemic sclerosis by radiography, computerised tomography and magnetic resonance imaging**, *M Hughes, R Hodgson, J Harris, N Porter, S Jackson, A Kirwadi, J Manning, S Peytrignet, AL Herrick*  
Seminars in Arthritis and Rheumatism. [\[link\]](#)
- 2018 **The assessment of nailfold capillaries: comparison of dermoscopy and nailfold videocapillaroscopy**, *G Dinsdale, S Peytrignet, T Moore, M Berks, C Roberts, AL Herrick*  
Rheumatology. [\[link\]](#)
- 2018 **Patterns and predictors of skin score change in early diffuse systemic sclerosis from the European Scleroderma Observational Study**, *AL Herrick, S Peytrignet, X Pan, R Hesselstrand, L Mouthon, E Brown, L Czirjak, J Distler, O Distler, K Fligelstone, W Gregory, R Ochiel, A Silman, M Vonk, M Lunt, C Denton*  
Annals of Rheumatic Diseases. [\[link\]](#)
- 2018 **Changes in disability and their relationship with skin thickening, in diffuse and limited cutaneous systemic sclerosis: a retrospective cohort study**, *S Peytrignet, J Manning, E Wragg, T Moore, M Samaranayaka, G Dinsdale, AL Herrick*  
Scandinavian Journal of Rheumatology. [\[link\]](#)
- 2017 **Disability, fatigue, pain and their associates in early diffuse cutaneous systemic sclerosis**, *S Peytrignet, AL Herrick, X Pan, R Hesselstrand, L Mouthon, E Brown, L Czirjak, J Distler, O Distler, K Fligelstone, W Gregory, R Ochiel, A Silman, M Vonk, M Lunt, C Denton*  
Rheumatology. [\[link\]](#)

2016 **Treatment outcome in early diffuse cutaneous systemic sclerosis: the European Scleroderma Observational Study (ESOS)**, *AL Herrick, X Pan, S Peytrignet, R Hesselstrand, L Mouthon, E Brown, L Czirjak, J Distler, O Distler, K Fligelstone, W Gregory, R Ochiel, A Silman, M Vonk, M Lunt, C Denton*  
Annals of the Rheumatic Diseases. [\[link\]](#)