

# Rianne Schouten – Resume

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<b>Date of Birth</b>	11 <sup>th</sup> May 1991	<b>Email</b>	riannemargarethaschouten@gmail.com
<b>Nationality</b>	Dutch	<b>LinkedIn</b>	/RianneSchouten
		<b>GitHub</b>	RianneSchouten.github.io

## Research

**June 2017 -** University of Utrecht, Department of Methodology and Statistics

**May 2019** *Researcher in the field of Missing Data*

My research focused on the evaluation of methods dealing with missing data. A research proposal and **my publications** can be found on [RianneSchouten.github.io](https://RianneSchouten.github.io). The first year, I performed the research as part of my job at DPA Professionals and in the second year, I performed the research in my own time. I was supervised by dr. Gerko Vink and prof. dr. Stef van Buuren. In May 2019 I unfortunately had to stop when it was no longer feasible to combine a job and research.

**Nov 2016 -** Columbia University in the City of New York

**Dec 2016** *Staff Associate of Prof. Andrew Gelman*

As part of the **STAN** development team, I assisted dr. Gerko Vink and Prof. dr. Andrew Gelman with their research and software development.

**Sep 2015 -** SRON, Dutch Institute of Space Research

**Dec 2015** *Internship, Grade: 9.0*

The extensive simulation study I performed to test the technique of Principal Component Analysis on Fe55 X-ray Pulses resulted in a **SPIE conference paper**.

## Employment

**March 2018 -** Samen Veilig Midden-Nederland

**Present** *Developer Data & Analytics*

It is my job to structure and standardize the analyses of sensitive and highly classified data. On the one hand I take an active part in writing the SQL queries and performing the calculations in R, Logi Analytics and Power BI. On the other hand, I oversee the system requirements and allocate work to other developers and stakeholders.

**April 2017 -** DPA Professionals - Excellence Programme for Data Science

**Feb 2018** *Missing Data Specialist / Data Scientist*

Senior Data Scientists from **Bigdata Republic** taught me about Linux, Virtual Machines, Machine Learning, Feature Engineering, Recommendation Systems, Neural Networks, Kaggle, Hadoop, and much more.

**May 2015 -** Summerschool Utrecht

**April 2017** *Teaching Assistant*

I taught in the following courses: Survey Research: Design, Implementation and Data Processing - Survey Research: Statistical Analysis and Estimation - Introduction to Research Methods and Statistics for Social Scientists'. My work was appreciated as follows by Prof. Edith de Leeuw:

*Rianne was a first class assistant at our summer school courses. Not only was all material prepared extremely punctual and without errors, she also got very high student evaluations. I can wholeheartedly recommend Rianne!*

## Activities

**Jan 2016 - Present**     **Presentations and invited talks**  
*Missing data specialist*

Once in a while, I present about missing data problems at conferences or meetups. For a list of all presentations and workshops, see [my GitHub page](#).

**Jan 2014 - Present**     Statistical Consultant, **Medical Research**  
*Advisor, co-author*

Many bachelor's, master's and doctoral students have difficulties with performing their statistical analyses. I function as an adviser or I cooperate in projects. Because of my medical background, I especially enjoy to use statistics in the field of health care.

**Jan 2016 - May 2017**     Thesis period  
*Software development in R*

During my thesis, I co-developed a procedure to generate missing data in complete datasets. I implemented the procedure in R-function **ampute** and it is now part of R-package MICE. Worldwide, people are using 'ampute' and I am still regularly advising and assisting researchers with their analysis problems.

## Software skills

R, and development in R	> 1500 hours
SQL	> 1000 hours
SPSS	> 600 hours
Logi Analytics	> 500 hours
Python	> 500 hours
Power BI	> 150 hours
Javascript	> 50 hours
Shiny, Bokeh, Highcharts	> 50 hours
OpenBugs, RJags	> 40 hours
HLM, MPlus	> 40 hours

## Education

**2015 - 2017**     Methodology and Statistics for the Behavioral, Biomedical and Social Sciences  
*Research Master, GPA: 4.0*

This research master's programme focuses on the methodological and statistical aspects of social and biomedical research. I especially enjoyed to delve into the mathematical background of analyses and exploring how to use computer techniques to gain the information we desire.

**2013 - 2014** Several preparatory programmes

**2009 - 2012** Medicine - University of Utrecht  
*Bachelor, GPA: 3.24*

**2003 - 2009** Pre-university Education - CSG Reggesteyn Nijverdal  
*Average grade: 8.3*

## Competencies

- Learning ability
- Analytical
- Perseverance
- Courage
- Result-orientedness
- Independence
- Honesty
- Problem solving