

# TIM HAGMANN

## CURRICULUM VITAE



### SUMMARY

- >> Forward thinking leader and data scientist with a 8+ years track record of successfully developing and deploying real world analytics projects. Strong skills in communicating data strategy in different settings and to all levels including partners and senior management.
- >> Excellent statistical programming skills (e.g., R) and sound expertise in quantitative methods. Passionate about data/analytics; eager to learn something new every day.
- >> Effective and confident communicator; facilitator of collaboration between IT, business and analytics teams that leads to long lasting projects with measurable positive customer impact.

### PROFESSIONAL EXPERIENCE

- **Head of Customer & Market Analytics**  
Sanitas Healthcare  
June 2017 - today  
I'm currently the head of customer and market analytics at Sanitas. My team (5 FTE's) and I are analyzing health care data from different internal and external data sources (e.g., wearables, API's and the data warehouse system). The goal is to find new actionable insights from customer behavior with various statistical and machine learning techniques.
- **Head of Sanitas Active & Data Scientist**  
Sanitas Healthcare  
March 2015 – July 2017  
I was the head of the Sanitas activity tracking project starting from conception up to its full launch in 2017. During that time I lead a diverse team of up to 8 people. With the help of data science methods a variety of nudging mechanisms were developed in order to help Sanitas customers to reach their individual health goals.
- **Data Scientist**  
Baloise Group  
February 2012 – March 2015  
I worked as a data scientist and deputy head of the Product and Market Analytics group (8 FTE's) at Baloise. Besides conducting a large number of small and mid-sized analytics projects, I was the lead data scientist for projects such as Baloise Plus, the Baloise Risk Map and various web scraping projects.
- **Years before:** Actuarial Intern at Baloise Group, Research Assistant at the University of Zurich, Sub-Officer and Officer School.

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### ACADEMIC EDUCATION

- **2018 | Professional Graduate Data Science Certificate (GPA 4.0)**  
Harvard University  
Two-year part-time program with courses in Big Data (Spark & Hadoop), Deep Learning / Neuronal Networks as well as interactive data visualizations in D3
- **2012 | MSc in Statistics (Top 10%)**  
Université de Neuchâtel
- Including an exchange semester to the Université de Lille, France
- **2010 | BA in Economics (Top 10%)**  
Universität Zürich
- Including an exchange year to the University of Limerick, Ireland

### PUBLICATIONS

#### Openness and digital transformation

Ongoing study with the Zurich University of Applied Sciences (ZHAW).

#### Algorithmic Modelling in Insurance

Paper examining the use of machine learning in the insurance industry.

#### Earning While Learning

Statistical analysis of the impact of student employment during tertiary education.

#### Economic consequences of the Irish Famine

Statistical Analysis of the short and long run consequences of the Irish potato famine of 1845-1852.

## SKILLS

### LANGUAGES

<div><div></div></div>	German and Swiss German (mother tongue)
<div><div></div></div>	English (proficient user, C2)
<div><div></div></div>	French (independent user, B2)
<div><div></div></div>	Spanish (basic level, A1)

### IT/PROGRAMMING SKILLS

<div><div></div></div>	Statistical programming (R, Python)
<div><div></div></div>	Database languages (SQL, ODBC)
<div><div></div></div>	Big data technologies (Spark, Tensorflow)
<div><div></div></div>	Interactive data visualizations (Shiny, D3)
<div><div></div></div>	Web programming (HTML, CSS, JS, API Access)

### MANAGEMENT METHODS

<div><div></div></div>	Brainstorming, mind-mapping, storyboarding, visualization and visual prompts, Business Canvas and Rapid prototyping
<div><div></div></div>	Agile methods (Scrum and Kanban)
<div><div></div></div>	Application of Business Process Models and Notations (BPMN) for IT and analytics specifications

## VOLUNTEER EXPERIENCE

### Lecturer / Instructor Business & Economics

Every year I teach business and economics during Economy Weeks (WIWAG) to high school students. The WIWAG Economy Weeks are a joint project offered by the Ernst Schmidheiny Foundation, the Cantonal Chambers of Industry and Commerce and numerous companies in Switzerland.

### Boy Scouts

I was actively involved for several years at national, cantonal, regional and local level in various positions for the Swiss Guide and Scout Movement (PBS).

### SOS Children's Village Ethiopia

I worked for the Ethiopian Scout Project, which was a joint project between the Swiss Guide and Scout leaders (PBS) and SOS Children's Village Ethiopia. I spent several months in Ethiopia building the leadership structure and organizing workshops for the project.

## INTERESTS

Hiking, Jogging, Snowboarding

Cooking (French and European cuisine)

Travelling (Africa, Asia, Australia, Europe, North America)

Reading (currently "21 Lessons for the 21st Century" by Yuval Noah Harari, "The Nepali Flat" by Gordon Alexander)

## PUBLIC PROJECTS

### [Solidarity in a digital world](#)

As digitalization creates new opportunities in almost all areas of life, companies are developing products and services to help customers leverage the benefits of these new developments. However, in addition to entrepreneurial issues, these changes are opening up social questions. I am part of a group working for the Sanitas foundation that commissions surveys and organizes events such as the [Swiss digital day](#) to help answer these questions.

### [Sanitas Active](#)

The Active App is designed to help Sanitas customers to achieve and maintain a healthy lifestyle. With the Swiss Federal Office of Sports recommending that you take 10,000 steps daily, this app encourages its users to get more exercise. I was head of this app and activity tracking project from the conception up to its full launch.

### [Baloise Plus](#)

Baloise Plus is the benefits program for Baloise customers. The more contracts customers are holding the larger their benefits. I was the lead data scientist on the project.

### [Baloise Risk Map](#)

The interactive risk map for burglary and theft is a tool for Baloise customers, insurance agents and actuaries to analyse the individual risk distribution at a cantonal as well as municipal level. It is build based on internal data, external data from the federal office of statistics and the D3.js framework. I was the project lead and lead data scientist of the Baloise Risk Map.

## REFERENCES

### **Lukas Vogt**

CEO at Nodus Medical, former Sanitas board member

### **Richard Etter**

CEO at Klenico, former Head of Digital Business Model at Sanitas

### **Andrea Wüthrich**

Advisory Healthcare at PwC, former program coordinator for transformational projects at Sanitas

### **Damian Schärli**

Head of Business Development at JLS Digital