

MICHAEL SEO

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EDUCATION

University of Bern <i>Ph.D. Biostatistics and Epidemiology</i>	Bern, Switzerland 2019 - 2022
Brown University <i>M.A. Biostatistics; GPA: 3.6/4.0</i>	Rhode Island, USA 2015 - 2017
Stanford University <i>M.S. Statistics; GPA: 3.7/4.0</i>	California, USA 2012 - 2014
Duke University <i>B.S. Statistics, Graduation with High Distinction; GPA: 3.7/4.0</i>	North Carolina, USA 2007 - 2011

WORK EXPERIENCE

Roche <i>Access Evidence Lead (HTA Statistician)</i>	2022 - Present Basel, Switzerland
<ul style="list-style-type: none">• Drafted indirect treatment comparisons statistical analysis plans and reports needed for the HTA reimbursement submissions.• Worked with Phase II/III clinical trials data to implement inverse probability weights methods and network meta-analysis.• Developed an R package (maicplus) for matching-adjusted indirect comparison which includes anchored comparisons and bootstrap variance estimations.	
Institute of Social and Preventive Medicine, University of Bern <i>Ph.D. Student in Biostatistics and Epidemiology</i>	2019 - 2022 Bern, Switzerland
<ul style="list-style-type: none">• Compared variable selection and shrinkage methods for estimating patient-specific treatment effects in individual patient data meta-analysis.• Developed models that combine individual patient data from randomized controlled trials and observational studies when aiming to predict outcomes for a set of treatments.• Explored methods of addressing the systematically missing predictors problem, when the aim is to build a prediction model using data from multiple studies.	
LLX Solutions <i>Biostatistician</i>	2018 - 2019 Massachusetts, USA
<ul style="list-style-type: none">• Drafted statistical analysis plans for Phase I trials to evaluate safety of the new drug in development.• Transformed raw clinical data into datasets that meet FDA standards using clinical SAS programming.	
Department of Biostatistics, Brown University <i>Ph.D. Student in Biostatistics</i>	2015 - 2017 Rhode Island, USA
<ul style="list-style-type: none">• Developed an R package (bnma) for Bayesian network meta-analysis which allows simultaneous comparison of multiple treatments.• Developed a Bayesian statistical tool to analyze single patient trials with crossover design and applied it to give individualized recommendations of carbohydrate diet for patients with inflammatory bowel disease.	

SKILLS

Programming: R, Python, SAS

Statistics: indirect treatment comparison, network meta-analysis, causal inference