Curriculum Vitae
Lucas Meyer de Freitas

Name	Lucas Meyer de Freitas
Date of birth	July 26, 1990
Nationality	Brazilian and German
Current position	PhD candidate at the Institute for Transport Planning and Systems at ETH Zurich

Education

2021-2022	Certificate of Advanced Studies in Applied Statistics, ETH Zurich
2015-2018	MSc Spatial Development and Infrastructure Systems, ETH Zurich
2009-2015	Civil Engineering Diploma, Federal University of Rio de Janeiro, Brazil
2012-2013	Exchange Studies, School of Architecture and Built Environment, KTH, Stockholm

Key competences

Transport planning, transport modelling, cycling behaviour, public transport, data analysis and modelling, project management

Professional experience

Nov. 2021-	PhD candidate at IVT, ETH
2018-2021	Transport planner at EBP Schweiz AG
2017 – 2018	Scientific assistant, Institute for Transport Planning and Systems, ETH Zurich
2016 - 2017	Intern, Rapp Trans AG, Switzerland
2014 – 2015	Intern, Promon Engenharia, Rio de Janeiro, Brazil
2014	Intern, iLi Consulting Engineers Mekong, Phnom Penh, Cambodia

Spoken languages

German (mother tongue), Portuguese (mother tongue), English (excellent), Spanish (good), French (basic), Swedish (basic)

Academic publications

Ballo, L., A. Sallard, L. Meyer de Freitas and K.W. Axhausen (2024) Is" small" infrastructure the next factory for accessibility?: Evaluating the regional accessibility effects of a cycling-centric transport policy in Zurich, *Arbeitsberichte Verkehrs-und Raumplanung*, IVT, ETH Zürich.

Meyer de Freitas, L. and S. Blum (2024) An accessibility-based methodology to identify corridor speed upgrades in the European rail network, *Journal of Transport Geography*, **114**, 103760.

Meyer de Freitas, L. and K.W. Axhausen (2024) The influence of individual physical capabilities for cycling adoption: Understanding its influence and mode-shift potentials, *Transportation Research Part A: Policy and Practice*, **185**, 104105.

Falbel, E.B., L. Meyer de Freitas, K.W. Axhausen, F. Kon and R.Y. De Camargo (2024) Predicting cycling flows in cities without cycling data, paper presented at the *103rd Annual Meeting of the Transportation Research Board*, Washington, D.C., January 2024

Ballo, L., L. Meyer de Freitas, A. Meister and K.W. Axhausen (2023) The E-Bike City as a radical shift toward zero-emission transport: Sustainable? Equitable? Desirable?, *Journal of Transport Geography*, **111**, 103663.

Meyer de Freitas, L. and K.W. Axhausen (2023) How do bike types and cycling frequency shape cycling infrastructure preferences?: A stated-preference survey, *Arbeitsberichte Verkehrs-und Raumplanung*, IVT, ETH Zürich .

Heinonen, S., A. Meister, L. Meyer de Freitas, L. Schwab, J. Roth, T. Götschi, B. Hintermann and K.W. Axhausen (2023) The E-Biking in Switzerland (EBIS) study: Methods and dataset, paper presented at the *2023 Swiss Transport Research Conference,* Ascona, Switzerland.

Leng, N., X. Luan, L. Meyer de Freitas, S. Blum, T. Graffagnino, P. Bützberger, J. Bischoff and F. Corman (2021) A framework coupling passenger demand, railway operation simulations and optimization, to study rail networks considering the actual demand on the trains, paper presented at the *9th International Conference on Railway Operations Modelling and Analysis (RailBeijing 2021),* Beijing, China.

Meyer de Freitas, L., H. Becker, M. Zimmermann and K.W. Axhausen (2019) Modelling intermodal travel in Switzerland: A recursive logit approach, *Transportation Research Part A: Policy and Practice*, **119**, 200–213.

Meyer de Freitas, L., O. Schuemperlin, M. Balac and F. Ciari (2017) Equity effects of congestion charges: an exploratory analysis with matsim, *Transportation Research Record*, **2670**, (1) 75–82.

Reports

Blum, S., Meyer de Freitas, L., Erismann, B., Bruns, F., Fussen, D., Foletti, F., Frick, R. and Ickert, L. (2022) *Perspectives mobilité 2050 pour le canton de Vaud*, Rapport Technique, Canton Vaud, Direction générale de la mobilité, Lausanne. URL: https://www.vd.ch/fileadmin/user_upload/organisation/dinf/sm/fichiers_pdf/Perspectives_Mobilit%C3%A9_2050_VD.pdf

Greinus, A., Bruns, F., Ickert, L., Wörner, M., Bieler, C., Grässli, R. and Meyer de Freitas, L. (2022) *Kosten der Überlastung der Transportinfrastruktur (KÜTI),* Grundlagestudie, Schlussbericht, Bundesamt für Raumentwicklung (ARE), Bern. URL: https://www.are.admin.ch/are/de/home/medien-und-publikationen/publikationen/verkehr/kosten-ueberlastung-transportinfrastruktur.html

Meyer de Freitas, L., Blum, S. and de Vries, N. (2021) *Support study for the evaluation of Regulation (EU) No 1315/2013 on Union guidelines for the development of the trans-European transport network. Annex to final report, Case study 5 : High-speed rail and the European long-distance passenger network*, Directorate-General for Mobility and Transport (DG-MOVE), European Commission, Brussels. URL: https://op.europa.eu/en/publication-detail/-/publication/af63e4a5-4c1b-11ec-91ac-01aa75ed71a1/language-en

Blum, S., Meyer de Freitas, L., de Vries, N., Chaumet, R., Käfer, A., Wurz-Hermann, D., Thaller, O., Martino, A., Fiorello, D. and Zani, L. (2021) *Study and analysis of passenger traffic forecasts based on travel time reductions and timetable scenarios for long-distance rail services between Munich and Verona for the planning horizons 2030 and 2040, Summary report*, Brenner Corridor Platform, Franzensfeste. URL: https://www.bcplatform.eu/fileadmin/user_upload/BCP/personenverkehrsstudie/BCP_PTS_SummaryReport_UA.pdf