

## Research Project

### Mobility Behavior in Switzerland during the COVID-19 Pandemic

#### Project funded by own resources

**Project title** Mobility Behavior in Switzerland during the COVID-19 Pandemic

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#### **Organisation / Research unit**

Departement Wirtschaftswissenschaften / Public Economics / Public Finance (Hintermann)

**Project Website** <https://ivtmobis.ethz.ch/mobis/covid19/en/>

**Project start** 01.03.2020

**Probable end** 30.06.2022

**Status** Completed

We study the effect of the COVID-19 pandemic and the associated government measures on individual mobility choices in Switzerland. Our data is based on over 1,000 people for which we observe all trips during eight weeks before the pandemic and again for up to 6 months after its onset. We find an overall reduction of travel distances by 60 percent, followed by a gradual recovery during the subsequent re-opening of the economy. Whereas driving distances have almost completely recovered, public transport remains under-used. The introduction of a requirement to wear a mask in public transport had no measurable impact on ridership. We study the heterogeneity of the individual travel response to the pandemic and find that it varies along socio-economic dimensions such as education and household size, with mobility tool ownership, and with personal values and lifestyles.

**Keywords** COVID-19, mobility, transport, tracking, causal forest

#### **Financed by**

University funds

**Follow-up Project of...** [4496364 Empirische Analyse des Mobilitätsverhaltens mit dynamischen Preisanreizen \(MOBIS\)](#)

#### **Add publication**

#### **Published results**

4625850, Hintermann, Beat; Schoeman, Beaumont; Molloy, Joseph; Schatzmann, Thomas; Tchervakov, Christopher; Axhausen, Kay W., The impact of COVID-19 on mobility choices in Switzerland, Publication: Discussion paper / Internet publication

4626118, Molloy, Joseph; Schatzmann, Thomas; Schoeman, Beaumont; Tchervakov, Christopher; Hintermann, Beat; Axhausen, Kay W., Observed impacts of the Covid-19 first wave on travel behaviour in Switzerland based on a large GPS panel, 0967-070X, Transport Policy, Publication: JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

**Add documents**

**Specify cooperation partners**

<b>ID</b>	<b>Kreditinhaber</b>	<b>Kooperationspartner</b>	<b>Institution</b>	<b>Laufzeit - von</b>	<b>Laufzeit - bis</b>
4496397	Hintermann, Beat	Axhausen, Kay, Professor	ETH Zurich	01.07.2018	31.12.2024