

Appendix A Supplemental Material to the paper *Trends in shopping-related travel behaviour: A comparative study of four Western European countries*

A.1 Additional information on variables used

A.1.1 Variable harmonisation table

Table A1: Variable harmonisation across all surveys. For each variable considered in the analysis, this table includes the survey variable assigned from each survey (specified by country and year). Categorisation of trip purpose and mode is shown in italics.

Variable	Country	Year of survey	Indicator
Trip purpose	Switzerland	2005	wzweek1 F5202 (leisure activity)
		2015	wzweek1 f51700_weg
		2021	wzweek1 f51700_weg
	France	2007–08	V2_MMOTIFDES (reasons for travel)
		2018–19	MMOTIFDES (reasons for travel)
	Germany	2008	hwzweek1
		2017	hwzweek1
	Norway	2005	formal
		2016–17 2021	q38rc_detaljert_gjoremal gjorema_lc1
<i>Trip purpose</i> — <i>Shopping</i>	Switzerland	2005	Shopping; Leisure activity > Shopping
		2015	Shopping; Leisure activity > Shopping
		2021	Shopping; Leisure activity > Shopping
	France	2007–08	Go to a supermarket or shopping center; Local store or services (bank, etc.)
		2018–19	Go to a supermarket or shopping center; Local store or services (bank, etc.)
	Germany	2008	Shopping
		2017	Shopping
	Norway	2005	Grocery purchase; Other purchases
		2016–17 2021	Other purchases; Grocery; Larger items Other purchases; Grocery; Larger items
Gender	Switzerland	2005	F23C
		2015	gesl
		2021	gesl
	France	2007–08	SEXE
		2018–19	SEXE
	Germany	2008	HP_SEX
		2017	HP_SEX
	Norway	2005	ios_kjon
		2016–17 2021	kjonn kjonn
Age	Switzerland	2005	F23B
		2015	alter
		2021	alter
	France	2007–08	AGE
		2018–19	AGE
	Germany	2008	HP_ALTER
		2017	HP_ALTER
	Norway	2005	alder_rvu
		2016–17 2021	alder_rvu alderskategorier_rvu
Household type	Switzerland	2005	F21

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Variable	Country	Year of survey	Indicator
		2015	hhtyp
		2021	hhtyp
	France	2007–08	TYPMEN4
		2018–19	TYPMEN5
	Germany	2008	Based on variables anzerw18, anzkind18
		2017	Based on variables anzerw18, anzkind18
	Norway	2005	Based on variables status, paar, ps
		2016–17	q131_familie.type
		2021	familietype
Household income	Switzerland	2005	F101
		2015	f20601
		2021	f20601
	France	2007–08	Created decile_rev from REVUC variable
		2018–19	Categorized based on provided variable (decile_rev)
	Germany	2008	oek_status
		2017	oek_status
	Norway	2005	nyhusint_gruppert
		2016–17	rek_husinntekt
		2021	rek_husinntekt
Level of urbanisation	Switzerland	2005	DGURBA
		2015	W_DEGURBA
		2021	W_DEGURBA
	France	2007–08	French national zoning based primarily on INSEE <i>unité urbaine</i>
		2018–19	INSEE zoning (updated October 2020)
	Germany	2008	RegioStaRGem5
		2017	RegioStaRGem5
	Norway	2005	Based on ios_komm then matched with DEGURBA
		2016–17	Based on q3rc_Home1_address_KommuneNr then matched with DEGURBA
		2021	Based on BOSTED_KommuneNummer then matched with DEGURBA
Trip distance	Switzerland	2005	w_rdist_subj (Reported distances)
		2015	w_rdist (Network distances (car & PT) using road-network model)
		2021	w_rdist (Network distances (car, PT, cycling) using road-network model)
	France	2007–08	V2_MDISTTOT (Reported distances with corrections via road-network model)
		2018–19	MDISTTOT_fin (Reported distances corrected using quickest path by car (IGN tool) or on foot)
	Germany	2008	wegkm_imp (Reported distances)
		2017	wegkm_imp (Reported distances)
	Norway	2005	Korr_lengde (Reported distances corrected using Google Maps)
		2016–17	reiseavstand_km (Reported distances corrected using Google Maps)
		2021	reiseavstand_km_revidert (Reported distances corrected using Google Maps)
Day of the week	Switzerland	2005	TAG
		2015	tag
		2021	Tag
	France	2007–08	V2_DATE_DEP
		2018–19	MDATE_jour
	Germany	2008	ST_WOTAG
		2017	ST_WOTAG
	Norway	2005	r_ukedag
		2016–17	reisedag

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Variable	Country	Year of survey	Indicator
		2021	reisedag_v
Time of day	Switzerland	2005	F58
		2015	f51100
		2021	f51100
	France	2007–08	V2_MORIHDEP
		2018–19	MORIHDEP
	Germany	2008	W_SZS
		2017	W_SZS
	Norway	2005	skl
		2016–17	q41_starttid
		2021	Based on starttid_1r1c1 and starttid_1r1c2
Main mode	Switzerland	2005	wmittel F510 (stage dataset)
		2015	wmittel f51300 (stage dataset)
		2021	wmittel f51300 (stage dataset)
	France	2007–08	V2_MMOY1S
		2018–19	MMOY1S
	Germany	2008	hvm_diff1
		2017	hvm_diff1
	Norway	2005	hoved.trans
		2016–17	htrm_uten_flydrosje
		2021	htrm_uten_flydrosje
Main mode: Car as driver	Switzerland	2005	From stage dataset: car as driver
		2015	From stage dataset: car as driver
		2021	From stage dataset: car as driver
	France	2007–08	Car/LCV/cart — solo driver or driver with passenger
		2018–19	Car/LCV/cart — driver
	Germany	2008	Car as driver
		2017	Car as driver
	Norway	2005	Car as driver
		2016–17	Car as driver
		2021	Car as driver
Main mode: Car as passenger	Switzerland	2005	From stage dataset: car as passenger
		2015	From stage dataset: car as passenger
		2021	From stage dataset: car as passenger
	France	2007–08	Car/LCV/cart — passenger; sometimes driver/sometimes passenger; unspecified
		2018–19	Car/LCV/cart — passenger; sometimes driver/sometimes passenger; unspecified
	Germany	2008	Car as passenger
		2017	Car as passenger
	Norway	2005	Car as passenger
		2016–17	Car as passenger
		2021	Car as passenger
Main mode: Public transport	Switzerland	2005	Train; tram; bus; postbus; coach; other PT
		2015	Train; tram; bus; postbus; coach; other PT
		2021	Train; tram; bus; postbus; coach; other PT
	France	2007–08	Mainline/high-speed/regional train; metro; tram; bus; coach; river shuttle; other urban/regional
		2018–19	Mainline/high-speed/regional train; metro; tram; bus; coach; river shuttle; other urban/regional
	Germany	2008	Local bus; Subway/Tramway; S-Bahn/Local train; Ship; Long-distance train; Coach
		2017	Local bus; Subway/Tramway; S-Bahn/Local train; Ship; Long-distance train; Coach
	Norway	2005	Ferry boat; Bus/express bus; Metro rail; Train; Tram; Taxi; Tour/charter bus

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Variable	Country	Year of survey	Indicator
		2016–17	Same as 2005; plus ferry-boat variants (as driver/passenger; as pedestrian/bus passenger)
		2021	Same as 2016–17
<i>Main mode: Cycling</i>	Switzerland	2005	Bike
		2015	Bike; e-bike
		2021	bike; e-bike
	France	2007–08	Bicycle; tricycle; E-bike
		2018–19	Bicycle; tricycle; self-service bike; E-bike
	Germany	2008	Bicycle; E-bike
		2017	Bicycle; E-bike
	Norway	2005	Bicycle
		2016–17	Bicycle; E-bike
		2021	Bicycle; E-bike
<i>Main mode: Walking</i>	Switzerland	2005	Walk
		2015	Walk
		2021	Walk
	France	2007–08	Pedestrian (walking only; with stroller; wheelchair)
		2018–19	Pedestrian (walking only; with stroller; wheelchair)
	Germany	2008	By foot
		2017	By foot
	Norway	2005	By foot
		2016–17	By foot
		2021	By foot
<i>Main mode: Other</i>	Switzerland	2005	Motorcycle; small motorcycle; vehicle-like devices; taxi; taxi-like services
		2015	Motorcycle; small motorcycle; vehicle-like devices; taxi; taxi-like services
		2021	Motorcycle; small motorcycle; vehicle-like devices; taxi; taxi-like services
	France	2007–08	Scooter; Rollerblades; Moped; Motorcycle; Taxi; Minicab (VTC); Airplane; Boat; Specialized transport (disabled); pickup by employer; school bus; Other
		2018–19	Scooter; Rollerblades; Moped; Motorcycle; Taxi; Minicab (VTC); Airplane; Boat; Specialized transport (disabled); pick-up organized by employer; Other
	Germany	2008	Scooter; Motorbike (driver/passenger); Taxi; Truck (driver/passenger); Other; Airplane
		2017	Scooter; Motorbike (driver/passenger); Taxi; Truck (driver/passenger); Other; Airplane
	Norway	2005	Others; Tractor; Snowmobile; Don't know; Won't answer; Moped; Motorcycle
		2016–17	Others; Tractor; Snowmobile; Don't know; Won't answer; Moped; Motorcycle
		2021	Others; Tractor; Snowmobile; Don't know; Won't answer; Moped; Motorcycle

A.1.2 Reclassification of Urbanisation Categories

Table A2: Reclassification of Germany’s RegioStaR Gem 5 categories and comparison with DEGURBA

RegioStaR Gem 5 categories	DEGURBA re-classification	Comparison of reclassified municipalities with DEGURBA
Metropolis, regiopolis, large city, Cities	Cities	99% match
Central city, medium-sized city, urban area	Smaller cities and suburbs	79% match
Small-town area, village area	Rural	90% match

A.1.3 Overview of income groups in different countries.

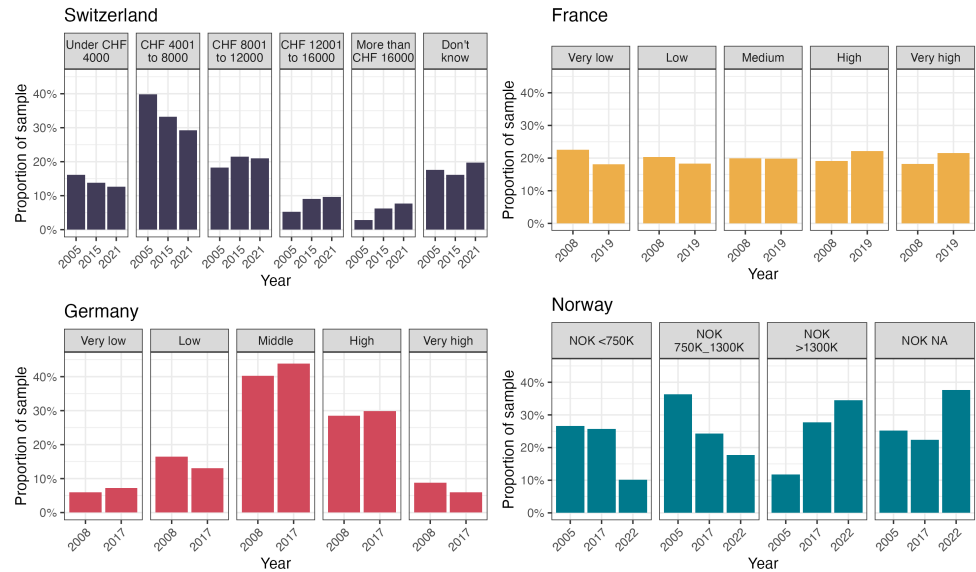


Fig. A1: Proportion of population in each household income category in each country. Switzerland’s income groups are based on gross monthly income (non-inflation adjusted). Norway’s are based on gross annual income in 2024 NOKs.

A.2 Results

A.2.1 Results by trip purpose (Shopping trip vs. non-shopping

Table A3: Summary of shopping trip characteristics and mode shares, with differences from non-shopping trips shown in percentage points.

Country	Year	Shopping trip characteristics (with 95% CI)				Mode share for shopping trips in % (Difference in mode shares relative to non-shopping in percentage points)					
		Share of total trips	Mean daily trip rate	Mean dist. (km)	Median dist. (km)	Car (driver)	Car (pass.)	PT	Cycling	Walking	Other
CH	2005	0.18	0.58 (0.57, 0.6)	5.47 (5.28, 5.66)	2.00	42 (-5)	10 (0)	5 (-3)	7 (+1)	35 (+9)	1 (-2)
CH	2015	0.19	0.62 (0.61, 0.63)	5.54 (5.4, 5.68)	1.94	42 (-1)	9 (+1)	9 (-4)	6 (-1)	33 (+6)	1 (-1)
CH	2021	0.21	0.56 (0.55, 0.57)	5.24 (5.1, 5.39)	1.86	43 (-2)	8 (+1)	7 (-4)	7 (0)	34 (+6)	1 (-1)
DE	2008	0.24	0.84 (0.83, 0.85)	4.37 (4.29, 4.44)	1.90	43 (-3)	10 (+1)	5 (-4)	11 (+2)	30 (+7)	1 (-2)
DE	2017	0.19	0.61 (0.61, 0.62)	4.72 (4.68, 4.75)	2.09	47 (-2)	11 (+3)	5 (-5)	11 (+1)	26 (+6)	0 (-3)
FR	2008	0.27	0.95 (0.93, 0.98)	6.3 (6.15, 6.45)	3.3	57 (-2)	12 (0)	3 (-2)	2 (0)	25 (+6)	1 (-1)
FR	2019	0.26	0.71 (0.69, 0.73)	5.81 (5.63, 5.98)	3.00	55 (-1)	13 (+3)	5 (-3)	2 (-1)	25 (+4)	1 (-2)
NO	2005	0.25	0.69 (0.67, 0.71)	5.33 (5.14, 5.52)	2.00	64 (+1)	10 (0)	3 (-3)	3 (-1)	20 (+4)	1 (-1)
NO	2017	0.20	0.47 (0.43, 0.51)	5.01 (4.51, 5.51)	2.38	63 (+3)	8 (+1)	7 (-4)	3 (-2)	19 (+3)	0 (-2)
NO	2021	0.16	0.37 (0.35, 0.38)	5.51 (5.21, 5.81)	2.90	62 (+5)	10 (+2)	2 (-4)	3 (-1)	22 (-1)	2 (-1)

A.2.2 Results by urbanisation

Table A4: Summary of shopping trip characteristics and mode shares by level of urbanisation, with differences from non-shopping shown in parentheses (percentage points).

Country	Year	Level of urbanisation	Shopping trip characteristics (with 95% CI)				Mode share for shopping trips in % (Difference vs. non-shopping in pp)					
			Share of total trips	Mean daily trip rate	Mean dist. (km)	Median dist. (km)	Car (driver)	Car (pass.)	P.T	Cycling	Walking	Other
CH	2005	Rural	0.16	0.49 (0.46, 0.52)	7.33 (6.84, 7.82)	3.50	56 (0)	10 (0)	3 (-2)	5 (2)	26 (3)	0 (-2)
CH	2005	Smaller cities & suburbs	0.18	0.58 (0.56, 0.60)	5.77 (5.47, 6.08)	2.00	46 (0)	12 (2)	3 (-4)	7 (2)	31 (6)	1 (-2)
CH	2005	Cities	0.21	0.66 (0.64, 0.69)	3.96 (3.73, 4.18)	1.50	27 (0)	8 (-8)	9 (-4)	7 (-1)	48 (17)	1 (-3)
CH	2015	Rural	0.16	0.52 (0.50, 0.54)	8.23 (7.83, 8.64)	4.06	60 (6)	10 (1)	4 (-2)	3 (-1)	22 (2)	1 (-1)
CH	2015	Smaller cities & suburbs	0.19	0.63 (0.62, 0.64)	5.61 (5.42, 5.81)	1.90	46 (1)	10 (1)	6 (-4)	6 (0)	31 (5)	1 (-1)
CH	2015	Cities	0.21	0.68 (0.66, 0.70)	3.72 (3.53, 3.91)	1.39	25 (-1)	6 (-2)	17 (-6)	7 (-2)	42 (12)	2 (-1)
CH	2021	Rural	0.17	0.45 (0.43, 0.47)	7.99 (7.57, 8.41)	4.54	63 (6)	9 (2)	2 (-2)	4 (0)	20 (-5)	1 (-1)
CH	2021	Smaller cities & suburbs	0.21	0.56 (0.55, 0.57)	5.57 (5.37, 5.78)	1.99	48 (1)	11 (1)	5 (-4)	6 (0)	30 (4)	1 (-1)
CH	2021	Cities	0.23	0.63 (0.61, 0.65)	3.58 (3.38, 3.78)	1.32	26 (-3)	6 (5)	13 (-3)	10 (2)	44 (12)	1 (-2)
DE	2008	Rural	0.22	0.75 (0.72, 0.77)	6.02 (5.83, 6.22)	2.00	56 (2)	11 (1)	1 (-2)	9 (2)	22 (0)	1 (-2)
DE	2008	Smaller cities & suburbs	0.24	0.84 (0.82, 0.86)	4.54 (4.40, 4.64)	1.90	48 (1)	12 (3)	3 (-3)	12 (2)	25 (2)	0 (-3)
DE	2008	Cities	0.26	0.92 (0.89, 0.94)	3.1 (3.02, 3.20)	1.43	21 (7)	8 (0)	0 (7)	11 (7)	44 (18)	1 (-2)
DE	2017	Rural	0.18	0.55 (0.54, 0.56)	6.67 (6.67, 6.66)	3.80	63 (1)	13 (4)	1 (-3)	7 (1)	15 (-2)	1 (-4)
DE	2017	Smaller cities & suburbs	0.20	0.62 (0.61, 0.63)	4.75 (4.69, 4.80)	2.33	51 (2)	12 (3)	2 (-4)	11 (1)	23 (4)	0 (-3)
DE	2017	Cities	0.20	0.64 (0.63, 0.65)	3.5 (3.47, 3.56)	1.90	31 (4)	8 (1)	0 (-8)	0 (1)	36 (1)	0 (-2)
FR	2008	Rural	0.23	0.84 (0.80, 0.88)	10.42 (9.96, 10.88)	7.00	74 (3)	14 (1)	0 (0)	2 (1)	9 (-3)	1 (-1)
FR	2008	Smaller cities & suburbs	0.24	0.91 (0.87, 0.95)	5.67 (5.44, 5.90)	3.1	57 (-3)	12 (0)	4 (-3)	2 (0)	25 (7)	1 (-2)
FR	2008	Cities	0.25	0.95 (0.90, 1.00)	3.96 (3.75, 4.18)	2.0	45 (-2)	10 (-2)	5 (-4)	2 (-1)	36 (10)	1 (-1)
FR	2019	Rural	0.23	0.64 (0.60, 0.68)	10.13 (9.63, 10.63)	7.00	77 (5)	13 (2)	0 (0)	1 (1)	7 (-6)	2 (-1)
FR	2019	Smaller cities & suburbs	0.26	0.70 (0.67, 0.74)	5.50 (5.24, 5.75)	3.00	57 (-1)	13 (3)	4 (-4)	2 (-1)	24 (5)	1 (-2)
FR	2019	Cities	0.27	0.77 (0.73, 0.81)	3.91 (3.68, 4.14)	2.00	42 (-4)	12 (3)	7 (-3)	2 (-2)	37 (8)	1 (-2)
NO	2005	Rural	0.25	0.65 (0.62, 0.68)	6.77 (6.38, 7.16)	2.50	73 (3)	10 (1)	1 (-2)	2 (-1)	12 (0)	1 (-1)
NO	2005	Smaller cities & suburbs	0.25	0.69 (0.66, 0.72)	4.79 (4.52, 5.05)	2.00	67 (1)	10 (0)	2 (-2)	3 (-1)	17 (3)	1 (-1)
NO	2005	Cities	0.26	0.74 (0.69, 0.78)	3.96 (3.69, 4.23)	2.00	46 (-1)	10 (0)	7 (-6)	3 (-3)	34 (11)	1 (-1)
NO	2017	Rural	0.19	0.42 (0.35, 0.50)	7.07 (5.39, 8.75)	2.45	77 (4)	6 (0)	2 (-1)	2 (-1)	12 (0)	0 (-2)
NO	2017	Smaller cities & suburbs	0.22	0.51 (0.44, 0.57)	4.88 (4.21, 5.55)	2.72	73 (7)	10 (3)	3 (-3)	3 (-2)	11 (-3)	0 (-2)
NO	2017	Cities	0.20	0.46 (0.40, 0.51)	4.02 (3.34, 4.69)	1.91	41 (-1)	8 (1)	14 (-6)	3 (-4)	34 (12)	0 (-2)
NO	2021	Rural	0.16	0.35 (0.31, 0.38)	6.42 (5.71, 7.13)	3.00	73 (2)	10 (3)	0 (-2)	3 (0)	12 (-3)	2 (-1)
NO	2021	Smaller cities & suburbs	0.16	0.37 (0.35, 0.39)	5.87 (5.34, 6.39)	3.00	66 (6)	11 (2)	1 (-2)	3 (-1)	16 (-5)	1 (0)
NO	2021	Cities	0.17	0.38 (0.36, 0.39)	4.18 (3.98, 4.38)	2.00	45 (7)	7 (0)	6 (-7)	3 (-4)	38 (5)	1 (-1)

A.2.3 Results by gender

Table A5: Summary of shopping trip characteristics and mode shares by gender, with differences from non-shopping shown in parentheses (percentage points).

Country	Year	Gender	Shopping trip characteristics (with 95% CI)			Mode share for shopping trips in % (Difference vs. non-shopping in pp)					
			Share of total trips	Mean daily trip rate	Mean dist. (km)	Median dist. (km)	Car (driver)	Car (pass.)	PT	Cycling	Walking
CH	2005	Men	0.13	0.43 (0.41, 0.45)	5.91 (5.59, 6.24)	2.50	50 (-4)	5 (-2)	5 (0)	32 (11)	2 (-2)
CH	2005	Women	0.23	0.72 (0.70, 0.74)	5.23 (5.00, 5.46)	2.00	37 (-2)	13 (-4)	4 (2)	8 (6)	37 (-1)
CH	2015	Men	0.16	0.54 (0.53, 0.55)	5.88 (5.65, 6.10)	2.00	51 (-1)	4 (-4)	7 (-1)	5 (7)	31 (-1)
CH	2015	Women	0.22	0.69 (0.68, 0.71)	5.29 (5.11, 5.46)	1.79	36 (-1)	12 (-4)	11 (0)	6 (5)	34 (-1)
CH	2021	Men	0.19	0.52 (0.51, 0.54)	5.39 (5.18, 5.61)	1.86	49 (-2)	4 (-3)	5 (7)	33 (9)	2 (-1)
CH	2021	Women	0.23	0.60 (0.58, 0.61)	5.12 (4.93, 5.31)	1.86	37 (0)	12 (-4)	9 (0)	7 (3)	34 (-1)
DE	2008	Men	0.22	0.77 (0.76, 0.79)	4.43 (4.32, 4.54)	1.90	51 (-1)	4 (-4)	4 (1)	11 (9)	29 (-4)
DE	2008	Women	0.27	0.91 (0.89, 0.92)	4.32 (4.22, 4.42)	1.90	37 (-4)	15 (2)	6 (-3)	12 (2)	30 (4)
DE	2017	Men	0.17	0.57 (0.56, 0.58)	4.85 (4.80, 4.91)	2.28	53 (0)	5 (0)	4 (-5)	11 (1)	26 (8)
DE	2017	Women	0.21	0.65 (0.64, 0.66)	4.61 (4.56, 4.65)	1.96	41 (-2)	16 (3)	5 (-5)	11 (1)	27 (4)
FR	2008	Men	0.25	0.87 (0.83, 0.90)	6.48 (6.24, 6.73)	3.30	67 (2)	4 (-3)	3 (-2)	3 (0)	22 (6)
FR	2008	Women	0.29	1.03 (1.00, 1.07)	6.15 (5.98, 6.33)	3.20	30 (-3)	17 (1)	4 (-2)	2 (0)	27 (6)
FR	2019	Men	0.24	0.66 (0.63, 0.69)	6.07 (5.81, 6.34)	3.00	65 (3)	5 (-2)	3 (-3)	2 (2)	23 (6)
FR	2019	Women	0.27	0.76 (0.73, 0.79)	5.60 (5.36, 5.83)	2.67	48 (-5)	19 (6)	1 (-1)	6 (3)	27 (-2)
NO	2005	Men	0.23	0.65 (0.62, 0.68)	5.52 (5.22, 5.81)	2.50	74 (4)	3 (-2)	2 (-4)	3 (1)	17 (4)
NO	2005	Women	0.27	0.72 (0.69, 0.75)	5.17 (4.91, 5.42)	2.00	55 (-1)	16 (2)	4 (-3)	2 (1)	22 (4)
NO	2017	Men	0.20	0.47 (0.41, 0.52)	4.81 (4.18, 5.45)	2.32	71 (5)	4 (0)	5 (-4)	2 (-2)	18 (3)
NO	2017	Women	0.21	0.47 (0.42, 0.53)	5.22 (4.44, 6.00)	2.57	55 (2)	13 (3)	8 (-3)	3 (-2)	20 (3)
NO	2021	Men	0.16	0.37 (0.35, 0.39)	5.67 (5.25, 6.08)	3.00	69 (6)	4 (-1)	2 (-3)	3 (-1)	21 (1)
NO	2021	Women	0.16	0.36 (0.34, 0.38)	5.34 (4.90, 5.77)	2.20	54 (4)	16 (4)	3 (-4)	3 (-1)	23 (-3)

A.2.4 Results by age

Table A6: Change in average daily shopping trip frequency by age group and country over study period.

Country	Age group	Shopping trip distance (km)		% change
		Start study period	End study period	
CH	18–24	8.1	6.5	-19%
	25–34	6.6	5.9	-10%
	35–44	6.0	5.5	-9%
	45–54	6.0	5.5	-9%
	55–64	4.6	5.5	+19%
	65–74	4.4	4.6	+6%
	>75	2.8	3.5	+27%
DE	18–24	5.3	5.5	+3%
	25–34	5.3	4.7	-10%
	35–44	5.0	4.9	-2%
	45–54	4.5	5.0	+11%
	55–64	4.2	4.8	+15%
	65–74	3.8	4.6	+21%
	>75	2.7	4.0	+47%
FR	18–24	6.0	5.6	-7%
	25–34	7.7	6.1	-20%
	35–44	7.3	7.1	-2%
	45–54	6.2	6.2	0%
	55–64	6.3	6.0	-6%
	65–74	5.0	5.4	+9%
	>75	4.2	4.2	+2%
NO	18–24	4.5	4.6	+1%
	25–34	5.1	4.5	-13%
	35–44	5.9	5.5	-7%
	45–54	6.1	6.2	+1%
	55–64	5.7	6.4	+14%
	65–74	4.7	6.0	+30%
	>75	3.8	5.2	+37%

Table A7: Summary of shopping trip characteristics and mode shares, by age, with differences from non-shopping shown in parentheses (percentage points).

Country	Year	Age group	Shopping trip characteristics (with 95% CI)				Mode share for shopping trips in % (Difference vs. non-shopping in pp)					
			Share of total trips	Mean daily trip rate	Mean dist. (km)	Median dist. (km)	Car (driver)	Car (pass.)	PT	Cycling	Walking	Other
CH	2005	18–24	0.10	0.35 (0.31, 0.39)	8.07 (7.07, 9.07)	3.00	33 (-4)	17 (2)	10 (-6)	6 (-1)	32 (12)	1 (-3)
CH	2005	25–34	0.16	0.53 (0.50, 0.57)	6.55 (5.99, 7.11)	2.04	42 (-7)	10 (1)	5 (-4)	7 (1)	34 (11)	1 (-1)
CH	2005	35–44	0.16	0.58 (0.55, 0.61)	6.02 (5.54, 6.51)	2.02	47 (-6)	10 (2)	5 (-2)	8 (2)	30 (6)	1 (-2)
CH	2005	45–54	0.18	0.61 (0.57, 0.64)	6.05 (5.58, 6.52)	2.50	50 (-2)	10 (2)	4 (-2)	9 (3)	26 (2)	1 (-2)
CH	2005	55–64	0.19	0.60 (0.56, 0.63)	4.61 (4.29, 4.93)	2.00	45 (-5)	9 (0)	3 (-3)	7 (1)	36 (8)	1 (-1)
CH	2005	65–74	0.28	0.75 (0.71, 0.79)	4.37 (3.99, 4.75)	1.60	36 (0)	10 (-2)	4 (-2)	5 (1)	44 (5)	1 (-1)
CH	2005	75+	0.32	0.65 (0.61, 0.69)	2.79 (2.53, 3.05)	1.00	24 (-5)	10 (-5)	5 (-2)	4 (1)	56 (11)	1 (-1)
CH	2015	18–24	0.12	0.42 (0.39, 0.44)	5.99 (5.43, 6.55)	1.83	30 (-3)	11 (0)	15 (-10)	5 (-1)	38 (16)	2 (-1)
CH	2015	25–34	0.16	0.57 (0.54, 0.60)	6.76 (6.28, 7.25)	2.05	41 (-2)	11 (3)	10 (-5)	6 (-1)	32 (6)	1 (-1)
CH	2015	35–44	0.17	0.61 (0.58, 0.63)	5.98 (5.58, 6.37)	2.00	46 (-2)	7 (0)	8 (-3)	6 (-1)	32 (7)	1 (-1)
CH	2015	45–54	0.18	0.65 (0.63, 0.67)	6.02 (5.70, 6.34)	2.01	49 (-1)	8 (1)	8 (-2)	6 (-1)	29 (4)	1 (-2)
CH	2015	55–64	0.19	0.63 (0.61, 0.66)	5.47 (5.18, 5.76)	2.00	46 (-1)	9 (1)	7 (-2)	6 (-1)	30 (4)	1 (-1)
CH	2015	65–74	0.27	0.76 (0.73, 0.78)	4.56 (4.30, 4.82)	1.71	40 (1)	9 (-2)	9 (-1)	6 (2)	36 (1)	1 (-1)
CH	2015	75+	0.31	0.68 (0.65, 0.71)	3.53 (3.29, 3.78)	1.50	34 (5)	9 (-3)	12 (-1)	4 (1)	40 (-2)	1 (0)
CH	2021	18–24	0.13	0.37 (0.34, 0.40)	6.53 (5.78, 7.29)	1.89	31 (-3)	14 (2)	12 (-11)	6 (0)	36 (14)	1 (-2)
CH	2021	25–34	0.18	0.52 (0.49, 0.55)	5.92 (5.43, 6.40)	1.65	36 (-7)	8 (0)	8 (-6)	8 (0)	38 (13)	1 (-1)
CH	2021	35–44	0.19	0.58 (0.55, 0.61)	5.49 (5.10, 5.87)	1.91	44 (-4)	8 (2)	6 (-2)	8 (-1)	33 (6)	1 (-1)
CH	2021	45–54	0.20	0.57 (0.54, 0.59)	5.48 (5.16, 5.81)	2.03	49 (-2)	6 (0)	5 (-3)	8 (-1)	31 (7)	1 (-1)

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Country	Year	Age group	Shopping trip characteristics (with 95% CI)				Mode share for shopping trips in % (Difference vs. non-shopping in pp)					
			Share of total trips	Mean daily trip rate	Mean dist. (km)	Median dist. (km)	Car (driver)	Car (pass.)	PT	Cycling	Walking	Other
CH	2021	55–64	0.21	0.58 (0.55, 0.60)	5.47 (5.16, 5.78)	2.07	48 (1)	9 (2)	6 (-2)	7 (-1)	29 (1)	1 (-1)
CH	2021	65–74	0.29	0.68 (0.65, 0.71)	4.64 (4.37, 4.91)	1.98	41 (1)	10 (1)	7 (-1)	8 (2)	33 (-4)	1 (0)
CH	2021	75+	0.33	0.59 (0.56, 0.62)	3.53 (3.32, 3.74)	1.49	38 (5)	8 (-4)	10 (1)	5 (1)	38 (-3)	1 (0)
DE	2008	18–24	0.15	0.50 (0.47, 0.53)	5.30 (4.90, 5.69)	1.96	33 (-4)	15 (2)	8 (-10)	10 (-1)	34 (14)	0 (-1)
DE	2008	25–34	0.19	0.71 (0.68, 0.75)	5.26 (4.89, 5.63)	1.90	41 (-5)	12 (3)	5 (-6)	9 (1)	32 (11)	1 (-4)
DE	2008	35–44	0.21	0.83 (0.80, 0.86)	4.96 (4.75, 5.17)	1.96	53 (-2)	9 (2)	3 (-2)	11 (1)	23 (4)	0 (-3)
DE	2008	45–54	0.23	0.85 (0.82, 0.87)	4.48 (4.33, 4.63)	1.90	51 (-1)	9 (1)	3 (-3)	11 (0)	25 (6)	1 (-3)
DE	2008	55–64	0.27	0.98 (0.95, 1.01)	4.21 (4.06, 4.37)	1.90	46 (0)	11 (1)	3 (-4)	14 (4)	25 (1)	0 (-3)
DE	2008	65–74	0.34	1.07 (1.04, 1.11)	3.82 (3.69, 3.96)	1.81	36 (0)	11 (-1)	6 (0)	13 (3)	33 (0)	0 (-1)
DE	2008	75+	0.38	0.88 (0.83, 0.93)	2.70 (2.51, 2.89)	0.98	27 (-1)	8 (-5)	10 (-1)	9 (3)	44 (6)	1 (-1)
DE	2017	18–24	0.12	0.33 (0.32, 0.35)	5.45 (5.21, 5.69)	1.96	33 (-6)	15 (4)	11 (-9)	9 (-2)	32 (15)	0 (-2)
DE	2017	25–34	0.15	0.51 (0.49, 0.52)	4.71 (4.56, 4.86)	1.90	41 (-6)	11 (2)	6 (-7)	10 (-1)	32 (13)	0 (-2)
DE	2017	35–44	0.16	0.58 (0.57, 0.59)	4.87 (4.75, 4.98)	2.00	54 (0)	8 (2)	3 (-4)	10 (-1)	25 (7)	0 (-3)
DE	2017	45–54	0.17	0.61 (0.60, 0.62)	4.99 (4.91, 5.07)	2.38	54 (-1)	8 (2)	3 (-5)	12 (2)	22 (5)	1 (-4)
DE	2017	55–64	0.20	0.69 (0.68, 0.70)	4.83 (4.76, 4.90)	2.57	50 (-1)	11 (4)	5 (-3)	11 (1)	23 (3)	1 (-3)
DE	2017	65–74	0.29	0.82 (0.81, 0.83)	4.62 (4.55, 4.69)	2.38	45 (2)	12 (0)	4 (-2)	12 (2)	25 (-1)	1 (-1)
DE	2017	75+	0.32	0.70 (0.69, 0.71)	3.96 (3.89, 4.04)	1.96	38 (4)	14 (-2)	6 (-3)	11 (2)	31 (0)	0 (-1)
FR	2008	18–24	0.19	0.65 (0.58, 0.71)	6.00 (5.49, 6.50)	3.30	40 (-4)	21 (3)	7 (-6)	1 (-2)	29 (10)	2 (-3)
FR	2008	25–34	0.21	0.81 (0.76, 0.87)	7.67 (7.20, 8.15)	4.00	62 (1)	12 (0)	4 (-2)	1 (-1)	21 (4)	0 (-2)
FR	2008	35–44	0.23	0.90	7.30	3.90	67	9	3	2	17	2

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Country	Year	Age group	Shopping trip characteristics (with 95% CI)				Mode share for shopping trips in % (Difference vs. non-shopping in pp)					
			Share of total trips	Mean daily trip rate	Mean dist. (km)	Median dist. (km)	Car (driver)	Car (pass.)	PT	Cycling	Walking	Other
FR	2008	45–54	0.28	(0.84, 0.95)	(6.86, 7.74)	3.30	(-1)	(1)	(0)	(-1)	(1)	(-1)
				1.00	6.19		61	10	3	2	23	1
FR	2008	55–64	0.33	(0.95, 1.05)	(5.93, 6.46)	3.10	(-4)	(1)	(-2)	(0)	(7)	(-1)
				1.11	6.32		59	11	2	3	24	1
FR	2008	65–74	0.38	(1.06, 1.16)	(6.02, 6.63)	2.60	(-2)	(-1)	(-1)	(0)	(4)	(0)
				1.19	4.97		53	11	3	3	31	0
FR	2008	75+	0.42	(1.13, 1.25)	(4.68, 5.27)	1.80	(2)	(-4)	(-1)	(0)	(3)	(0)
				1.12	4.18		40	13	3	2	41	1
FR	2019	18–24	0.16	(1.06, 1.19)	(3.86, 4.49)	2.00	(4)	(-10)	(-1)	(0)	(8)	(-1)
				0.49	5.60		34	24	13	1	28	0
FR	2019	25–34	0.17	(0.42, 0.57)	(4.63, 6.57)	3.00	(-6)	(8)	(-6)	(-1)	(9)	(-3)
				0.61	6.11		50	12	9	2	26	1
FR	2019	35–44	0.18	(0.55, 0.67)	(5.52, 6.69)	3.20	(-6)	(5)	(0)	(0)	(4)	(-2)
				0.71	7.14		66	8	4	1	20	1
FR	2019	45–54	0.22	(0.64, 0.77)	(6.51, 7.76)	3.00	(1)	(3)	(-1)	(-3)	(2)	(-1)
				0.76	6.19		64	9	4	1	22	2
FR	2019	55–64	0.31	(0.71, 0.82)	(5.74, 6.64)	3.00	(-4)	(3)	(-2)	(-2)	(7)	(-2)
				1.01	5.97		58	13	4	2	22	1
FR	2019	65–74	0.40	(0.94, 1.07)	(5.61, 6.33)	3.00	(2)	(3)	(-2)	(0)	(0)	(-1)
				1.22	5.41		53	13	4	2	27	1
FR	2019	75+	0.43	(1.16, 1.28)	(5.08, 5.73)	2.00	(3)	(-2)	(-1)	(0)	(2)	(0)
				1.03	4.24		46	15	3	1	34	0
NO	2005	18–24	0.20	(0.97, 1.09)	(3.94, 4.55)	2.00	(8)	(-6)	(-1)	(0)	(1)	(-2)
				0.63	4.50		37	15	7	5	35	0
NO	2005	25–34	0.22	(0.57, 0.68)	(3.88, 5.12)	2.00	(-3)	(0)	(-5)	(0)	(11)	(-2)
				0.73	5.13		62	9	2	2	24	1
NO	2005	35–44	0.22	(0.68, 0.78)	(4.65, 5.61)	2.50	(1)	(0)	(-5)	(-1)	(6)	(-1)
				0.77	5.88		74	8	2	2	13	1
NO	2005	45–54	0.24	(0.72, 0.82)	(5.41, 6.35)	2.40	(3)	(1)	(-2)	(-2)	(2)	(-1)
				0.77	6.06		71	11	2	3	13	1
NO	2005	55–64	0.26	(0.72, 0.82)	(5.57, 6.56)	3.00	(1)	(3)	(-3)	(-1)	(0)	(-1)
				0.73	5.65		68	10	3	2	17	0
NO	2005	65–74	0.42	(0.68, 0.78)	(5.21, 6.10)	2.00	(2)	(-1)	(-3)	(-1)	(3)	(-1)
				1.00	4.66		60	10	4	2	24	1
NO	2005	75+	0.43	(0.91, 1.10)	(4.17, 5.16)	2.00	(-3)	(-4)	(0)	(0)	(8)	(-1)
				0.66	3.76		51	12	5	3	26	3
NO	2017	18–24	0.21	(0.59, 0.73)	(3.27, 4.24)	2.11	(5)	(-7)	(0)	(0)	(2)	(-1)
				0.56	4.08		48	11	9	4	29	0
				(0.42, 0.70)	(3.05, 5.12)		(4)	(2)	(-13)	(0)	(11)	(-4)

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Country	Year	Age group	Shopping trip characteristics (with 95% CI)				Mode share for shopping trips in % (Difference vs. non-shopping in pp)					
			Share of total trips	Mean daily trip rate	Mean dist. (km)	Median dist. (km)	Car (driver)	Car (pass.)	PT	Cycling	Walking	Other
NO	2017	25–34	0.21	0.58 (0.47, 0.68)	4.69 (3.30, 6.09)	2.17	51 (-4)	7 (1)	10 (-4)	4 (-1)	28 (9)	0 (-2)
NO	2017	35–44	0.18	0.54 (0.44, 0.65)	4.98 (3.89, 6.07)	2.34	76 (12)	5 (-2)	4 (-5)	2 (-3)	14 (-1)	0 (-1)
NO	2017	45–54	0.17	0.45 (0.38, 0.52)	5.95 (4.57, 7.33)	2.32	72 (3)	11 (6)	5 (-1)	2 (-2)	8 (-4)	1 (-1)
NO	2017	55–64	0.22	0.48 (0.40, 0.56)	5.90 (4.74, 7.06)	3.25	67 (8)	8 (0)	4 (-3)	3 (-4)	18 (2)	0 (-2)
NO	2017	65–74	0.28	0.44 (0.31, 0.56)	4.55 (3.66, 5.43)	2.77	62 (1)	13 (3)	7 (1)	1 (-2)	17 (-1)	0 (-1)
NO	2017	75+	0.25	0.34 (0.22, 0.46)	3.47 (2.02, 4.93)	1.44	55 (-4)	3 (-8)	14 (4)	0 (-3)	27 (14)	0 (-3)
NO	2021	18–24	0.14	0.40 (0.35, 0.45)	4.57 (3.31, 5.83)	2.00	48 (3)	11 (-1)	5 (-7)	1 (-2)	32 (9)	2 (-1)
NO	2021	25–34	0.15	0.42 (0.39, 0.46)	4.46 (3.87, 5.04)	2.00	45 (-2)	10 (2)	4 (-5)	4 (-1)	36 (6)	1 (-1)
NO	2021	35–44	0.14	0.42 (0.38, 0.46)	5.49 (4.92, 6.07)	3.00	68 (5)	6 (1)	2 (-3)	2 (-3)	20 (-1)	2 (1)
NO	2021	45–54	0.15	0.39 (0.36, 0.42)	6.15 (5.40, 6.90)	3.00	72 (8)	9 (3)	1 (-3)	2 (-2)	13 (-5)	2 (0)
NO	2021	55–64	0.16	0.34 (0.31, 0.37)	6.43 (5.61, 7.24)	3.00	71 (8)	11 (4)	2 (-2)	2 (-3)	13 (-5)	1 (-1)
NO	2021	65–74	0.23	0.42 (0.38, 0.47)	6.04 (5.26, 6.82)	3.00	65 (11)	11 (-1)	2 (-2)	5 (1)	17 (-8)	1 (-1)
NO	2021	75+	0.24	0.35 (0.31, 0.39)	5.16 (4.12, 6.20)	3.00	57 (6)	10 (1)	2 (-3)	6 (4)	23 (-7)	1 (-1)

A.2.5 Results by household type

Table A8: Summary of shopping trip characteristics and mode shares, by household type, with differences from non-shopping shown in parentheses (percentage points).

Country	Year	Household type	Shopping trip characteristics (with 95% CI)				Mode share for shopping trips in % (Difference vs. non-shopping in pp)					
			Share of total trips	Mean daily trip rate	Mean dist. (km)	Median dist. (km)	Car (driver)	Car (pass.)	PT	Cycling	Walking	Other
CH	2005	Single	0.21	0.65 (0.63, 0.68)	4.55 (4.23, 4.87)	1.40	32 (-10)	4 (-3)	7 (-3)	7 (0)	49 (17)	1 (-2)
CH	2005	Couple	0.21	0.61 (0.58, 0.63)	5.14 (4.85, 5.44)	2.00	41 (-6)	13 (1)	3 (-3)	6 (1)	35 (8)	1 (-1)
CH	2005	Single with children	0.18	0.60 (0.53, 0.67)	5.89 (5.00, 6.78)	2.02	51 (4)	7 (-2)	7 (-3)	8 (2)	27 (2)	0 (-3)
CH	2005	Couple with children	0.16	0.54 (0.51, 0.56)	6.16 (5.80, 6.51)	2.50	47 (-3)	12 (1)	4 (-3)	8 (2)	29 (6)	1 (-3)
CH	2005	Many adults	0.14	0.44 (0.38, 0.50)	6.41 (5.19, 7.63)	2.08	37 (-4)	12 (2)	7 (-7)	8 (1)	34 (9)	1 (-2)
CH	2015	Single	0.21	0.67 (0.64, 0.69)	4.56 (4.29, 4.83)	1.50	35 (-5)	4 (-1)	14 (-2)	5 (-1)	41 (10)	1 (-1)
CH	2015	Couple	0.21	0.63 (0.61, 0.65)	5.58 (5.36, 5.79)	2.00	42 (-1)	12 (1)	8 (-3)	6 (0)	30 (3)	1 (-1)
CH	2015	Single with children	0.17	0.61 (0.57, 0.65)	5.72 (5.09, 6.35)	1.87	44 (3)	6 (-1)	12 (-6)	5 (-2)	32 (7)	1 (-1)
CH	2015	Couple with children	0.17	0.59 (0.57, 0.60)	5.93 (5.68, 6.18)	2.03	48 (1)	10 (2)	7 (-5)	6 (-1)	29 (5)	1 (-1)
CH	2015	Many adults	0.17	0.58 (0.52, 0.63)	7.12 (6.14, 8.11)	2.00	36 (-1)	8 (-1)	13 (-5)	8 (-1)	34 (9)	1 (-1)
CH	2021	Single	0.24	0.61 (0.59, 0.63)	4.17 (3.93, 4.41)	1.40	34 (-6)	4 (-2)	11 (-2)	7 (-1)	42 (11)	2 (-1)
CH	2021	Couple	0.23	0.56 (0.55, 0.58)	5.69 (5.42, 5.97)	2.06	44 (0)	12 (2)	5 (-3)	7 (1)	31 (2)	1 (-1)
CH	2021	Single with children	0.19	0.57 (0.53, 0.62)	4.96 (4.43, 5.48)	2.05	45 (1)	6 (0)	10 (-4)	6 (-1)	32 (6)	1 (-1)
CH	2021	Couple with children	0.18	0.53 (0.51, 0.55)	5.67 (5.43, 5.92)	2.07	49 (1)	9 (1)	5 (-5)	8 (0)	29 (4)	1 (-1)
CH	2021	Many adults	0.20	0.52 (0.47, 0.57)	4.98 (4.20, 5.76)	1.25	31 (-7)	7 (-1)	10 (-5)	9 (-2)	42 (14)	2 (0)
DE	2008	Single	0.27	0.95 (0.91, 0.99)	3.56 (3.34, 3.78)	1.35	35 (-6)	5 (-1)	7 (-4)	13 (2)	40 (13)	0 (-3)

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Country	Year	Household type	Shopping trip characteristics (with 95% CI)				Mode share for shopping trips in % (Difference vs. non-shopping in pp)					
			Share of total trips	Mean daily trip rate	Mean dist. (km)	Median dist. (km)	Car (driver)	Car (pass.)	PT	Cycling	Walking	Other
DE	2008	Couple	0.28	0.91 (0.89, 0.93)	4.35 (4.24, 4.46)	1.90	41 (-2)	13 (1)	5 (-3)	11 (2)	30 (4)	1 (-2)
DE	2008	Single with children	0.20	0.87 (0.75, 0.98)	4.24 (3.47, 5.01)	1.90	48 (-2)	5 (1)	3 (-7)	5 (-1)	36 (8)	2 (0)
DE	2008	Couple with children	0.20	0.82 (0.79, 0.85)	5.02 (4.83, 5.20)	1.96	56 (0)	11 (3)	3 (-2)	10 (1)	21 (1)	0 (-2)
DE	2008	Many adults	0.19	0.62 (0.60, 0.64)	4.99 (4.83, 5.15)	2.38	49 (2)	13 (1)	4 (-7)	12 (2)	22 (4)	1 (-3)
DE	2017	Single	0.22	0.71 (0.70, 0.72)	3.76 (3.69, 3.84)	1.90	36 (-6)	4 (-1)	10 (-5)	12 (1)	37 (13)	1 (-3)
DE	2017	Couple	0.23	0.66 (0.66, 0.67)	4.88 (4.83, 4.93)	2.38	45 (0)	15 (4)	3 (-5)	11 (1)	24 (3)	0 (-3)
DE	2017	Single with children	0.16	0.68 (0.63, 0.73)	4.51 (4.09, 4.92)	1.90	50 (-6)	4 (1)	9 (-1)	11 (-1)	26 (9)	1 (-1)
DE	2017	Couple with children	0.15	0.58 (0.57, 0.59)	4.91 (4.82, 5.01)	2.38	57 (0)	9 (2)	2 (-4)	10 (0)	22 (4)	0 (-3)
DE	2017	Many adults	0.15	0.45 (0.44, 0.46)	5.48 (5.39, 5.58)	2.85	54 (3)	12 (3)	4 (-6)	10 (0)	19 (3)	1 (-4)
FR	2008	Single	0.29	0.95 (0.92, 0.99)	4.64 (4.44, 4.84)	2.00	42 (-5)	8 (-3)	7 (-3)	2 (-1)	41 (14)	1 (-1)
FR	2008	Couple	0.32	1.06 (1.02, 1.10)	6.18 (5.95, 6.41)	3.10	56 (-1)	14 (-1)	2 (-2)	3 (0)	25 (5)	1 (-1)
FR	2008	Single with children	0.25	0.89 (0.80, 0.97)	5.62 (5.13, 6.10)	3.00	50 (-3)	10 (-1)	6 (-2)	2 (0)	30 (6)	2 (0)
FR	2008	Couple with children	0.23	0.89 (0.85, 0.93)	7.24 (6.96, 7.53)	4.00	66 (1)	11 (1)	2 (-2)	2 (0)	17 (2)	1 (-2)
FR	2008	Many adults	0.30	0.94 (0.81, 1.08)	6.81 (5.87, 7.74)	3.50	60 (8)	14 (-1)	3 (-9)	0 (-2)	22 (4)	1 (0)
FR	2019	Single	0.32	0.95 (0.91, 0.99)	4.28 (4.08, 4.49)	2.00	47 (-1)	8 (-1)	6 (-4)	2 (-1)	37 (8)	1 (-2)
FR	2019	Couple	0.33	1.03 (0.98, 1.07)	6.20 (5.93, 6.48)	3.00	57 (2)	16 (1)	3 (-2)	2 (-1)	23 (2)	1 (-2)
FR	2019	Single with children	0.20	0.46 (0.40, 0.52)	4.66 (3.99, 5.32)	2.00	49 (-6)	9 (2)	10 (-1)	3 (1)	28 (6)	0 (-1)
FR	2019	Couple with children	0.18	0.49 (0.45, 0.52)	7.01 (6.58, 7.43)	4.00	64 (0)	13 (6)	4 (-3)	1 (-2)	17 (0)	2 (-1)
FR	2019	Many adults	0.23	0.56 (0.44, 0.69)	4.52 (3.69, 5.35)	3.00	41 (-2)	15 (4)	16 (-3)	0 (-3)	28 (6)	0 (-2)
NO	2005	Single	0.28	0.69	4.67	2.00	51	6	6	3	32	1

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Country	Year	Household type	Shopping trip characteristics (with 95% CI)				Mode share for shopping trips in % (Difference vs. non-shopping in pp)					
			Share of total trips	Mean daily trip rate	Mean dist. (km)	Median dist. (km)	Car (driver)	Car (pass.)	PT	Cycling	Walking	Other
NO	2005	Couple	0.28	(0.64, 0.73)	(4.20, 5.13)	2.50	(-1)	(-2)	(-3)	(-2)	(9)	(-1)
				0.76	5.38		64	13	2	3	19	0
	2005	Single with children	0.25	(0.72, 0.80)	(5.07, 5.68)	2.00	(1)	(1)	(-3)	(-1)	(4)	(-1)
				0.63	4.41		69	6	3	2	20	0
	2005	Couple with children	0.22	(0.53, 0.72)	(3.74, 5.09)	2.50	(1)	(0)	(-3)	(-3)	(6)	(-2)
				0.64	5.92		77	9	1	2	11	1
	2005	Many adults	0.21	(0.60, 0.67)	(5.56, 6.28)	2.00	(3)	(1)	(-2)	(-1)	(0)	(-1)
				0.63	4.70		40	14	6	5	34	2
	2017	Single	0.23	(0.56, 0.69)	(4.08, 5.32)	2.25	(-1)	(-1)	(-7)	(0)	(10)	(-1)
				0.50	4.61		54	2	14	1	28	1
	2017	Couple	0.22	(0.42, 0.58)	(3.46, 5.76)	2.68	(0)	(-4)	(0)	(-5)	(11)	(-2)
				0.46	5.93		61	16	4	2	17	0
	2017	Single with children	0.18	(0.39, 0.52)	(4.79, 7.07)	2.00	(1)	(8)	(-7)	(-2)	(1)	(-1)
				0.50	5.14		64	7	2	3	24	0
	2017	Couple with children	0.18	(0.36, 0.64)	(3.57, 6.72)	2.49	(1)	(3)	(-3)	(-6)	(7)	(-4)
				0.56	4.74		75	5	3	4	13	0
	2017	Many adults	0.20	(0.48, 0.63)	(4.06, 5.43)	1.85	(8)	(-2)	(-3)	(-1)	(-1)	(-1)
				0.29	3.68		43	12	11	4	30	0
	2021	Single	0.18	(0.19, 0.38)	(2.66, 4.70)	2.00	(7)	(0)	(-8)	(0)	(7)	(-6)
				0.39	4.38		49	4	4	4	37	2
	2021	Couple	0.18	(0.36, 0.42)	(3.85, 4.91)	3.00	(1)	(-2)	(-5)	(-1)	(7)	(0)
				0.38	6.15		60	15	2	4	18	1
	2021	Single with children	0.17	(0.36, 0.41)	(5.54, 6.77)	3.00	(8)	(4)	(-4)	(0)	(-7)	(-1)
				0.49	4.64		72	2	2	2	22	0
	2021	Couple with children	0.14	(0.41, 0.58)	(3.73, 5.55)	3.00	(0)	(-2)	(-2)	(0)	(5)	(-1)
				0.40	6.07		74	9	1	2	13	2
	2021	Many adults	0.14	(0.37, 0.43)	(5.55, 6.59)	2.00	(8)	(2)	(-2)	(-3)	(-5)	(0)
				0.23	4.64		53	11	4	4	27	2
				(0.20, 0.26)	(3.85, 5.42)		(5)	(-1)	(-6)	(0)	(4)	(-1)

A.2.6 Results by household income

Table A9: Summary of shopping trip characteristics and mode shares, by household income, with differences from non-shopping shown in parentheses (percentage points).

Country	Year	Household income	Shopping trip characteristics (with 95% CI)				Mode share for shopping trips in % (Difference vs. non-shopping in pp)					
			Share of total trips	Mean daily trip rate	Mean dist. (km)	Median dist. (km)	Car (driver)	Car (pass.)	PT	Cycling	Walking	Other
CH	2005	Under CHF 4000	0.23	0.62 (0.59, 0.66)	3.87 (3.55, 4.18)	1.20	28 (-6)	8 (-3)	5 (-4)	7 (1)	50 (13)	1 (-2)
CH	2005	CHF 4001 to 8000	0.18	0.59 (0.57, 0.61)	5.66 (5.36, 5.97)	2.00	42 (-7)	10 (1)	5 (-2)	8 (1)	34 (9)	1 (-2)
CH	2005	CHF 8001 to 12000	0.16	0.56 (0.53, 0.60)	6.52 (6.03, 7.02)	3.00	48 (-2)	12 (2)	5 (-3)	9 (2)	25 (3)	1 (-2)
CH	2005	CHF 12001 to 16000	0.16	0.55 (0.49, 0.62)	6.36 (5.33, 7.40)	3.00	51 (1)	11 (1)	4 (-5)	3 (-2)	29 (7)	2 (-2)
CH	2005	More than CHF 16000	0.17	0.62 (0.51, 0.72)	6.16 (5.04, 7.27)	4.00	67 (12)	8 (-3)	2 (-8)	5 (0)	18 (0)	1 (-2)
CH	2015	Under CHF 4000	0.25	0.68 (0.65, 0.70)	4.11 (3.82, 4.39)	1.36	30 (-1)	9 (0)	12 (-3)	5 (-1)	43 (6)	1 (0)
CH	2015	CHF 4001 to 8000	0.20	0.67 (0.65, 0.69)	5.40 (5.18, 5.62)	1.86	44 (-1)	8 (0)	9 (-3)	6 (0)	33 (5)	1 (-1)
CH	2015	CHF 8001 to 12000	0.17	0.61 (0.59, 0.63)	5.94 (5.63, 6.25)	2.03	49 (1)	8 (0)	7 (-5)	7 (0)	28 (5)	1 (-2)
CH	2015	CHF 12001 to 16000	0.15	0.57 (0.54, 0.60)	6.35 (5.80, 6.89)	2.02	48 (1)	7 (0)	9 (-5)	5 (-2)	31 (8)	1 (-1)
CH	2015	More than CHF 16000	0.15	0.54 (0.50, 0.57)	6.77 (6.05, 7.48)	2.00	47 (-1)	9 (2)	7 (-6)	8 (1)	28 (5)	1 (-1)
CH	2021	Under CHF 4000	0.27	0.61 (0.58, 0.64)	3.95 (3.68, 4.22)	1.34	32 (2)	7 (-2)	10 (-4)	5 (-1)	44 (5)	2 (0)
CH	2021	CHF 4001 to 8000	0.22	0.58 (0.56, 0.60)	5.15 (4.90, 5.40)	1.89	43 (-3)	9 (1)	7 (-3)	7 (0)	33 (5)	1 (-1)
CH	2021	CHF 8001 to 12000	0.20	0.59 (0.56, 0.61)	5.63 (5.31, 5.94)	2.02	47 (-2)	8 (0)	5 (-4)	9 (1)	30 (5)	1 (-1)
CH	2021	CHF 12001 to 16000	0.18	0.54 (0.51, 0.58)	6.38 (5.78, 6.98)	2.06	46 (-1)	8 (0)	5 (-5)	10 (0)	31 (7)	1 (-1)
CH	2021	More than CHF 16000	0.18	0.53 (0.49, 0.57)	5.79 (5.17, 6.41)	1.86	43 (-2)	8 (1)	6 (-4)	8 (-1)	34 (8)	1 (-1)
DE	2008	Very low	0.22	0.69 (0.64, 0.73)	3.75 (3.40, 4.11)	1.43	29 (-4)	11 (1)	6 (-7)	11 (1)	41 (12)	1 (-3)

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Country	Year	Household income	Shopping trip characteristics (with 95% CI)				Mode share for shopping trips in % (Difference vs. non-shopping in pp)					
			Share of total trips	Mean daily trip rate	Mean dist. (km)	Median dist. (km)	Car (driver)	Car (pass.)	PT	Cycling	Walking	Other
DE	2008	Low	0.25	0.81 (0.78, 0.84)	4.18 (3.98, 4.38)	1.47	33 (-4)	11 (1)	6 (-5)	15 (3)	34 (7)	1 (-3)
DE	2008	Middle	0.25	0.85 (0.83, 0.87)	4.25 (4.14, 4.36)	1.90	43 (-4)	11 (1)	5 (-2)	11 (2)	29 (7)	1 (-3)
DE	2008	High	0.24	0.88 (0.86, 0.90)	4.69 (4.55, 4.84)	1.90	49 (-2)	10 (1)	4 (-4)	10 (1)	27 (6)	0 (-2)
DE	2008	Very high	0.22	0.81 (0.78, 0.85)	4.56 (4.32, 4.81)	1.96	54 (1)	9 (0)	4 (-4)	8 (0)	25 (4)	0 (-1)
DE	2017	Very low	0.22	0.62 (0.60, 0.65)	4.15 (3.97, 4.34)	1.80	29 (-7)	11 (3)	12 (-4)	12 (1)	36 (10)	1 (-2)
DE	2017	Low	0.21	0.64 (0.63, 0.66)	4.50 (4.39, 4.62)	1.96	41 (-3)	10 (2)	7 (-4)	11 (0)	30 (8)	1 (-3)
DE	2017	Middle	0.21	0.64 (0.63, 0.64)	4.60 (4.55, 4.65)	2.09	45 (-1)	12 (2)	5 (-5)	11 (1)	27 (6)	0 (-3)
DE	2017	High	0.17	0.57 (0.56, 0.57)	5.11 (5.04, 5.17)	2.57	55 (1)	10 (3)	3 (-5)	11 (0)	21 (4)	0 (-3)
DE	2017	Very high	0.16	0.57 (0.55, 0.58)	5.03 (4.90, 5.16)	2.06	52 (-1)	9 (1)	3 (-6)	11 (0)	24 (7)	0 (-2)
FR	2008	Very low	0.27	0.93 (0.88, 0.97)	5.40 (5.15, 5.66)	3.00	44 (-4)	15 (2)	5 (-2)	2 (-1)	32 (6)	2 (0)
FR	2008	Low	0.26	0.90 (0.85, 0.95)	6.99 (6.58, 7.40)	3.70	60 (1)	12 (-1)	4 (-2)	2 (-1)	22 (5)	1 (-2)
FR	2008	Middle	0.27	0.95 (0.90, 1.00)	6.52 (6.18, 6.85)	3.30	60 (-5)	11 (-1)	2 (-2)	3 (1)	24 (8)	0 (-1)
FR	2008	High	0.28	1.02 (0.97, 1.08)	6.67 (6.36, 6.99)	3.60	64 (0)	11 (-1)	2 (-3)	2 (0)	21 (5)	0 (-1)
FR	2008	Very high	0.28	1.00 (0.94, 1.05)	6.00 (5.70, 6.29)	3.20	61 (2)	9 (-2)	3 (-4)	2 (-1)	24 (6)	1 (-2)
FR	2019	Very low	0.31	0.81 (0.76, 0.86)	4.19 (3.86, 4.51)	2.00	37 (0)	11 (1)	10 (-2)	3 (-1)	38 (4)	2 (-1)
FR	2019	Low	0.29	0.76 (0.71, 0.81)	4.92 (4.58, 5.26)	2.00	51 (1)	13 (2)	6 (-2)	2 (0)	28 (2)	1 (-2)
FR	2019	Middle	0.27	0.75 (0.70, 0.80)	6.13 (5.74, 6.52)	3.00	59 (2)	16 (4)	3 (-3)	1 (-1)	22 (0)	0 (-1)
FR	2019	High	0.24	0.68 (0.63, 0.72)	6.67 (6.26, 7.08)	3.47	62 (-2)	13 (3)	4 (-2)	1 (-1)	19 (3)	1 (-1)
FR	2019	Very high	0.22	0.64 (0.59, 0.68)	6.31 (5.91, 6.72)	3.00	60 (-2)	11 (2)	3 (-4)	2 (-1)	24 (7)	1 (-2)
NO	2005	NOK < 750K	0.28	0.76	4.76	2.00	55	9	4	3	27	1

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Country	Year	Household income	Shopping trip characteristics (with 95% CI)				Mode share for shopping trips in % (Difference vs. non-shopping in pp)					
			Share of total trips	Mean daily trip rate	Mean dist. (km)	Median dist. (km)	Car (driver)	Car (pass.)	PT	Cycling	Walking	Other
NO	2005	NOK 750K - 1300K	0.23	(0.72, 0.80)	(4.44, 5.09)	2.50	(1)	(0)	(-4)	(-2)	(6)	(-1)
				0.75	5.72		72	10	2	2	14	0
NO	2005	NOK > 1300K	0.21	(0.72, 0.79)	(5.39, 6.05)	3.00	(3)	(1)	(-3)	(-1)	(2)	(-1)
				0.67	5.92		71	8	3	3	13	2
NO	2017	NOK < 750K	0.25	(0.61, 0.73)	(5.39, 6.45)	2.13	(3)	(1)	(-3)	(-1)	(1)	(-1)
				0.53	4.31		59	4	10	1	25	0
NO	2017	NOK 750K - 1300K	0.20	(0.45, 0.61)	(3.55, 5.08)	2.75	(3)	(-1)	(-3)	(-3)	(6)	(-2)
				0.50	5.80		65	10	3	4	17	0
NO	2017	NOK > 1300K	0.17	(0.42, 0.58)	(4.49, 7.10)	2.48	(2)	(4)	(-5)	(0)	(1)	(-2)
				0.48	5.38		72	8	5	4	12	0
NO	2021	NOK < 750K	0.18	(0.42, 0.54)	(4.55, 6.21)	3.00	(10)	(1)	(-4)	(-2)	(-3)	(-2)
				0.42	6.03		60	10	2	2	26	1
NO	2021	NOK 750K - 1300K	0.17	(0.37, 0.47)	(4.96, 7.11)	3.00	(6)	(0)	(-4)	(-1)	(1)	(-1)
				0.38	6.30		64	14	2	4	16	0
NO	2021	NOK > 1300K	0.14	(0.34, 0.41)	(5.39, 7.20)	3.00	(5)	(4)	(-3)	(0)	(-5)	(-1)
				0.38	5.56		70	9	1	2	15	2
				(0.36, 0.40)	(5.15, 5.97)		(8)	(2)	(-3)	(-3)	(-5)	(0)

Table A10: Mode share change (in percentage points) by income group, country, and level of urbanisation over study period

Country	Income	Cities			Smaller Cities & Suburbs			Rural		
		Car as driver	Cycling	Walking	Car as driver	Cycling	Walking	Car as driver	Cycling	Walking
CH Study period: 2005 to 2021	Under CHF 4000	+1	+1	-7	-1	-3	-1	+21	-5	-17
	CHF 4001 to 8000	-2	0	-3	+3	-1	-1	+9	-1	-7
	CHF 8001 to 12000	-2	+3	+5	+2	-2	+4	+1	+2	+4
	CHF 12001 to 16000	+7	+9	+2	-8	+7	+2	-6	-2	-3
DE Study period: 2008 to 2017	More than CHF 16000	-31	+5	+21	-17	+1	+9	-8	+6	+8
	Very low	-6	0	-2	+1	+3	-10	+9	0	-6
	Low	+6	-2	-6	+9	-7	-1	+11	-4	-8
	Middle	+5	+3	-7	+2	-3	0	+3	-2	-6
FR Study period: 2008 to 2019	High	+4	+4	-5	+6	-1	-4	+11	-3	-9
	Very high	-6	+3	+5	-1	+4	-2	+11	+1	-10
	Very low	-4	0	0	-4	+3	+7	-3	-1	+7
	Low	-9	+1	+8	-4	0	+5	-2	-1	+1
NO Study period: 2005 to 2021	Middle	+2	-2	-6	-1	-2	0	+3	-1	-3
	High	-4	-1	+3	-1	-1	-4	+3	-1	0
	Very high	-9	+1	+4	+4	0	0	+10	-1	-5
	NOK <750K	0	-1	+2	-7	-4	0	+7	0	-4
	NOK 750K to 1300K	-16	+1	+11	-1	+2	-1	+1	+2	-4
	NOK >1300K	-2	+2	+10	+2	-2	-3	-2	-1	0