The influence of travel mode on mood and productivity

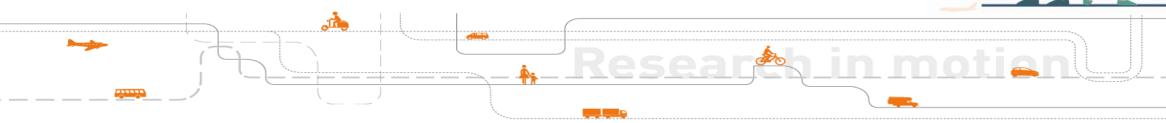
-using panel data from the C19 lockdown

Alice Ciccone, Aslak Fyhri, Katrine Karlsen

Conference on Environmental Psychology

November 2020















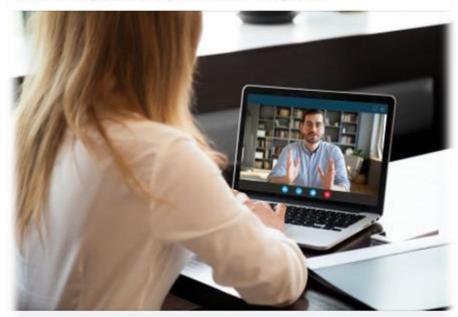




Reiser du til arbeid/studiested eller har du hjemmekontor? Fortell om din hverdag under koronakrisen og få mulighet til å vinne opp til 3.000 kr! Trykk her for å delta:

https://url.quenchtec.net/lvDdJPkr

Undersøkelsen tar ca. 5 minutter. Du må være 18 år for å delta. Dette er et forskingsprosjekt finansiert av Forskningsrådet.



Transportøkonomisk institutt Interesse

Finn ut mer



2 kommentarer 31 delinger



Liker



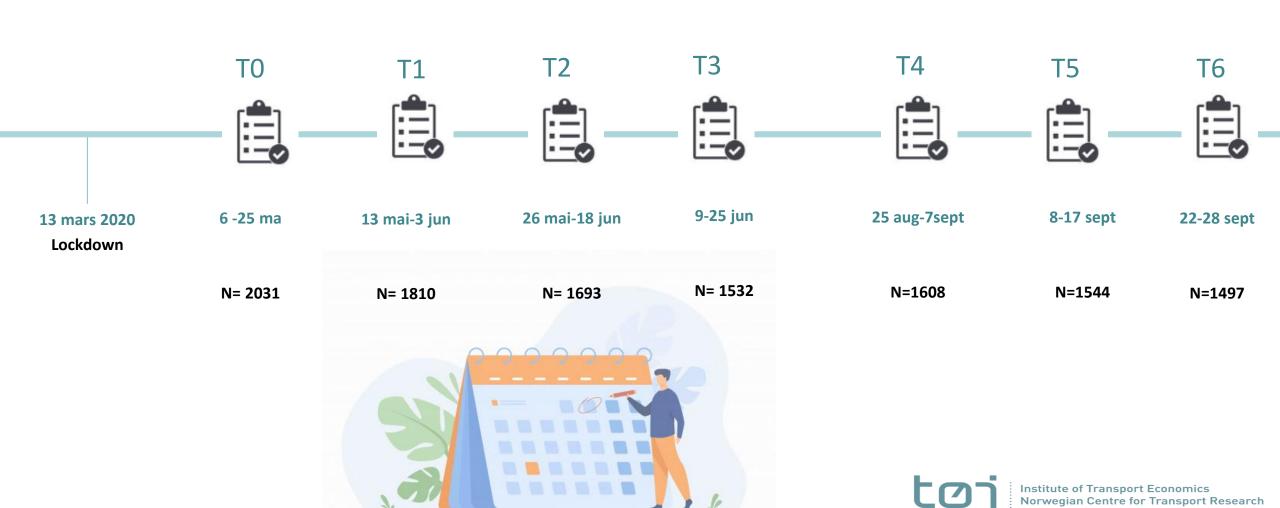


RECRUITMENT





TIMELINE



Sample (N= 2031)

98% work 2% students

70% female

43 yrs

65% have children

- 76% below 18
- 50% more than one

60% high education (master)

Region:

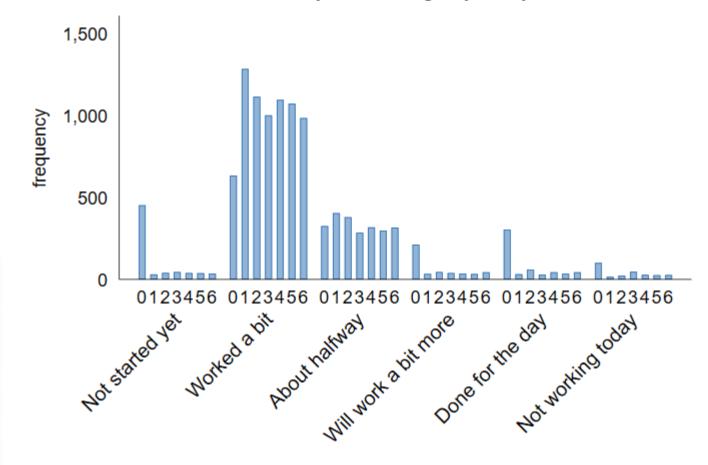
63% Oslo, Viken, Innlandet 6% Agder, Vestfold, Telemark 15% Vestland, Rogaland 11%Trøndelag, Møre, Romsdal 3% Nordland, Troms, Finnmark

45% office worker33% academic11% manager2% sales /service2% health worker

Interview context

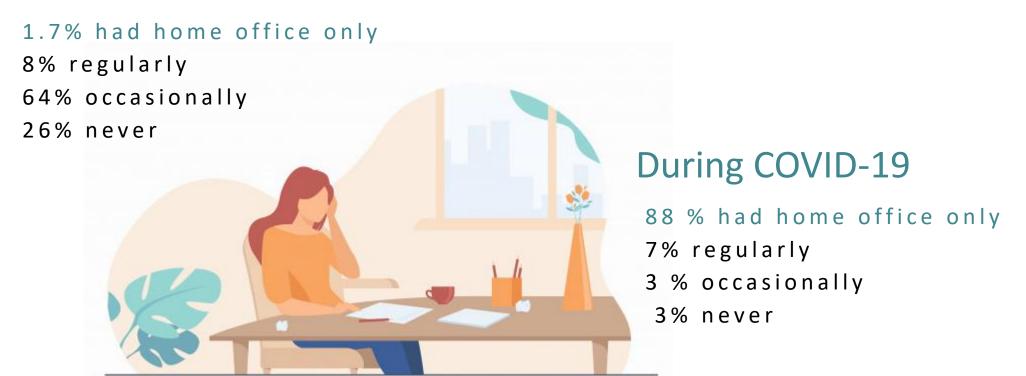


What statement best describes your working day today?



Experience with working from home

Before COVID-19

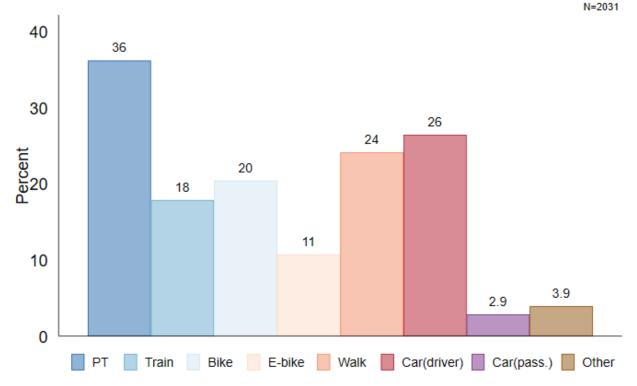


13 Mars 2020

Travel habits before

How do you normally travel to work/school this time of the year? (%)

If you are not travelling beacuse of Covid-19, think about how you travelled before



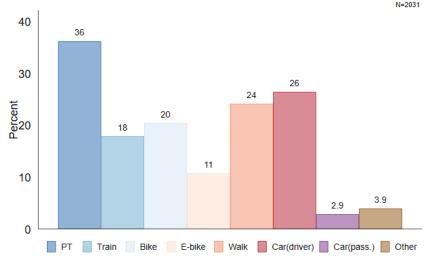




... and now

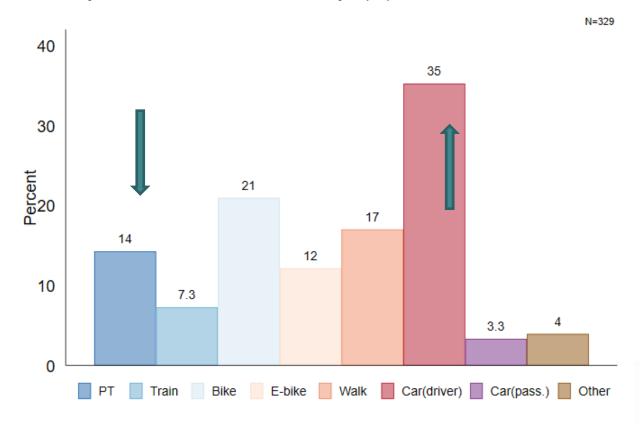
How do you normally travel to work/school this time of the year? (%)

If you are not travelling beacuse of Covid-19, think about how you travelled before





How did you travel to work/school today? (%), T0





Fear of COVID19

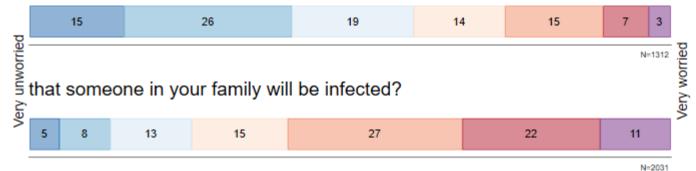


How worried are you...

that you will be infected?



that your children will be infected?



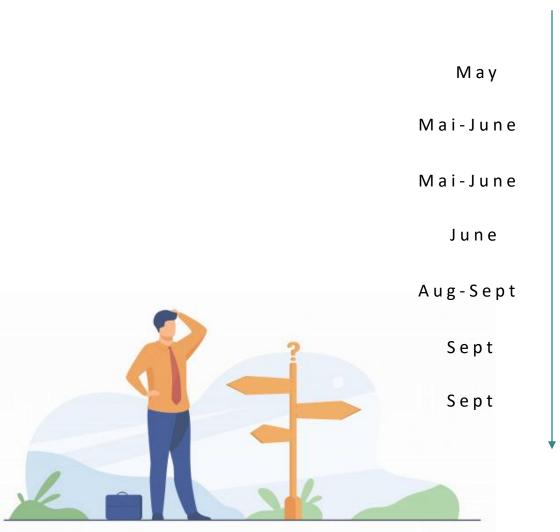
to infect others?



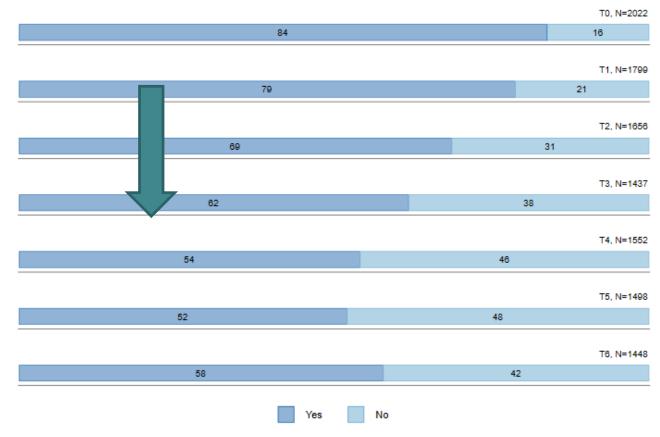
N=2031

To travel, or not to travel (to work)

Most(>95%) worked on the survey day



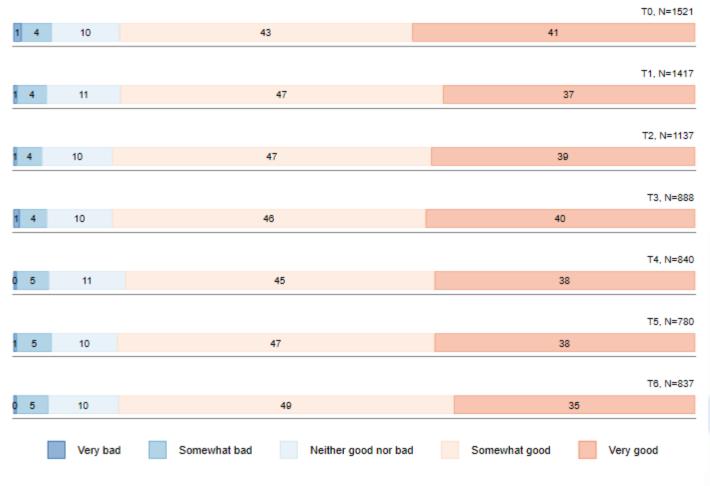
Are you working from home today? (%)





Working from home is working well

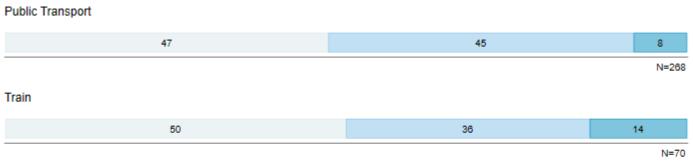
How would you rate your experience of working from home today?

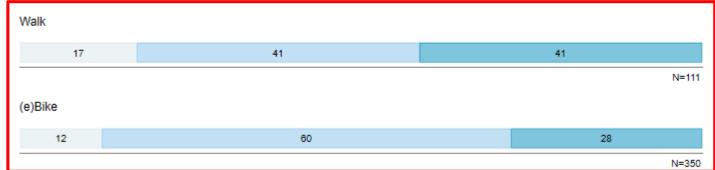




Do you miss your commute?

Do you miss your commute? (%), T0





					N=300
Car					
	68			27	5
					N=378
	Not at all	Some aspects of it	Very mud	eh.	

Random-effects GLS regression	Number of obs =	6,783
Group variable: id	Number of groups =	1,662
R-sq:	Obs per group:	
within = 0.0110	min =	1
between = 0.2850	avg =	4.1
overal1 = 0.2285	max =	7
	Wald chi2(46) =	720.45
$corr(u_i, X) = 0 $ (assumed)	Prob > chi2 =	0.0000

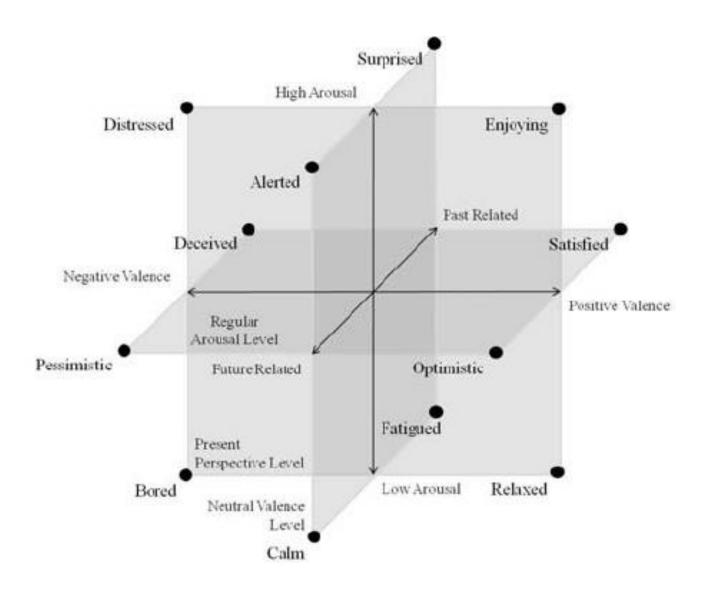
savner		Coef.	Std. Err.	z	P> z	[95% Conf.	Interval]
	vanlig_reise						·
	Kollektiv	.2284042	.0462114	4.94	0.000	.1378315	.318977
	Tog	.2750095	.0691515	3.98	0.000	.139475	.410544
	Gå	.5922846	.0657433	9.01	0.000	.4634301	.7211392
	(el)Sykkel	.6949847	.0459954	15.11	0.000	.6048354	.7851341
•	Annet	.3904852	.1395751	2.80	0.005	.1169231	.6640473
	Flere	.2924331	.0378502	7.73	0.000	.218248	.3666182
Påla Oppfo	For_hjemmeko~g ngt arbeids ordret arbe or for barn like_wfh	.0855246 .0539431 .0197436	.0169638 .0147112 .0432226	5.04 3.67 0.46	0.000 0.000 0.648 0.000	.0522761 .0251097 0649712	.1187731 .0827764 .1044583
kjonn		013951	.0302961	-0.46	0.645	0733303	.0454282
	age	0007276	.0014694	-0.50	0.620	0036075	.0021524
brutto		0297914	.0155349	-1.92	0.055	0602392	.0006564
	utdanning	.0227037	.0221997	1.02	0.306	0208068	.0662143
	barn_under18	0290131	.026749	-1.08	0.278	0814401	.023414
kmreise		0147063	.0108431	-1.36	0.175	0359583	.0065457



Mood

Three dimensions of mood (Wilhelm and Schoebi, 2007)

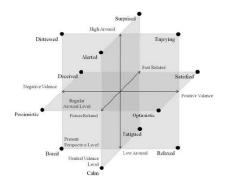






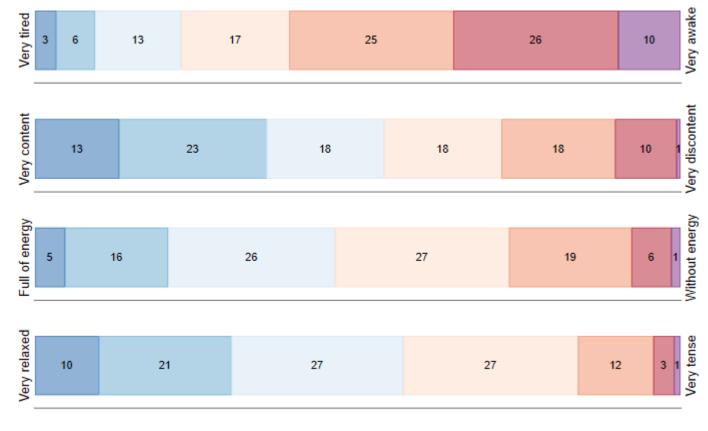
Mood

Three dimensions of mood (Wilhelm and Schoebi, 2007)





Today I feel



T0, N=2022

Productivity

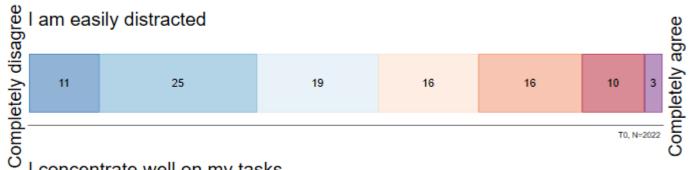
(Fyhri, Karlsen, Ciccone, 2020)

So far today, I think...

I study/work effectively



T0, N=2022



I concentrate well on my tasks



T0, N=2022



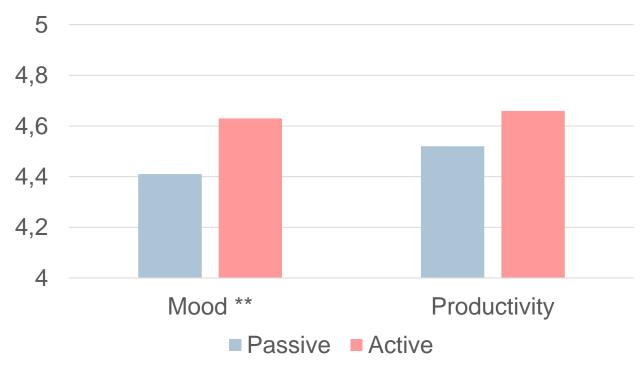
Travel mode and mood/productivity

Random-effects GLS Group variable: id	regression			er of obs er of gro		,250 ,181	Random-effects GLS regres Group variable: id	sion			er of obs er of grou		,250 ,181
R-sq: within = 0.0173 between = 0.2107 overall = 0.1651		Obs	per group	: min = avg = max =	1 2.8 7	R-sq: within = 0.0187 between = 0.2497 overall = 0.1967			Obs p	oer group	min = avg = max =	1 2.8 7	
<pre>corr(u_i, X) = 0 (assumed)</pre>			$\frac{\text{Vald chi2}(52)}{\text{Prob} > \text{chi2}} = .$ $\text{corr}(u_i, X) = 0 \text{ (assumed)}$		Wald chi2(52) Prob > chi2		=						
prod_index	Coef.	Std. Err.	Z	P> z	[95% Conf.	Interval]	mood_index	Coef.	Std. Err.	z	P> z	[95% Conf.	Interval]
idag_mode Kollektiv Tog	.035497 .1568103	.0822445 .1354558	0.43 1.16	0.666 0.247	1256994 1086781	.1966933		243339	.0664621 .1095227	0.37 2.21	0.714 0.027	1059295 .0277289	.1545972
(el)Sykkel Gå	.2227246 .1929452	.0658587 .0935891	3.38 2.06	0.001 0.039	.093644 .0095139	.3518052 .3763764	(el)Sykkel .2 Gå .2	697689 171247	.0531529 .075476	5.08 2.88	0.000 0.004	.165591 .0691945	.3739467 .3650549
Annet Flere	.0030482 .0755782	.1560905 .1030591	0.02 0.73	0.984 0.463	3028837 1264139	.3089801 .2775704		819699 248233	.1263025 .0833391	2.23 2.70	0.026 0.007	.0344215 .0614817	.5295184 .388165
kjonn age brutto utdanning barn_under18 tidreise	0445851 .0236901 0537627 .0459247 0936934 0449283	.0668862 .0032497 .0349562 .049346 .0589999 .0225696	-0.67 7.29 -1.54 0.93 -1.59 -1.99	0.505 0.000 0.124 0.352 0.112 0.047	1756797 .0173207 1222756 0507916 209331 0891638	.0865094 .0300594 .0147502 .1426411 .0219442 0006927	age .0 brutto0 utdanning0 barn_under180	957696 186839 9576671 9010148 9370055	.0535729 .002603 .0280031 .0395358 .0472724 .0180998	-1.79 7.18 -2.06 -0.03 -0.78 -2.11	0.074 0.000 0.039 0.980 0.434 0.034	2007706 .0135821 1125521 0785036 1296576 0737528	.0092314 .0237857 0027821 .076474 .0556467 0028029
time2 1 2 3	.3554724 .2684029 .2802127	.0956058 .0927374 .0944748	3.72 2.89 2.97	0.000 0.004 0.003	.1680885 .086641 .0950454	.5428564 .4501648 .46538	2 .0	453972 237522 1058039	.0778009 .0754357 .0768285	0.58 0.31 -0.08	0.560 0.753 0.940	1070897 1240991 156385	.1978842 .1716034 .1447773
4 5 6	.2989236 .2259152 .2883988	.0953276 .0959249 .096205	3.14 2.36 3.00	0.002 0.019 0.003	.112085 .0379059 .0998403	.4857623 .4139245 .4769572	4 .0 50	086646 0653171 0187232	.0775148 .0780038 .0782283	0.11 -0.84 -0.24	0.911 0.402 0.811	1432616 2182019 172048	.1605909 .0875676 .1346015



Changing from active to passive transport





To summarize

«Everyone» started working from home...

... and they like it



..and are most happy
when they arrive at
work

Lockdown has shifted people from public transport to private car

Walkers and bikers miss their commute most...

