Koronavirová pandemie a krátkodobé změny plodnosti ve vyspělých zemích

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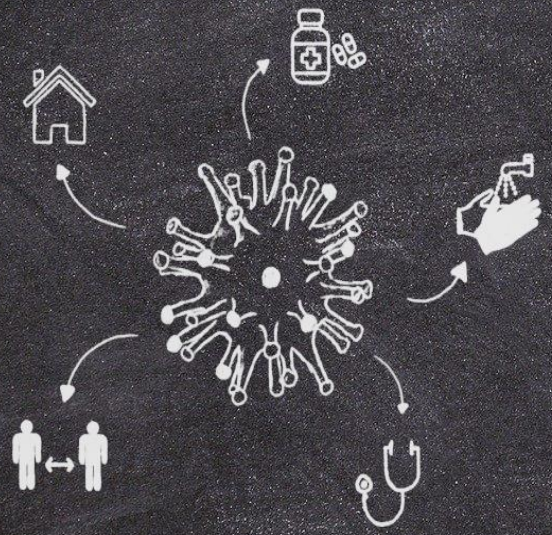
STFF team, VID & MPIDR

50. výroční konference České demografické společnosti
Ostrava 15.–17. září 2021

Struktura prezentace

1. Představení databáze Short-Term Fertility Fluctuations:
   a. Motivace
   b. Human Fertility Database a STFF
   c. Data a pokrytí

2. První výsledky
   a. Reakce na pandemii ve světě – baby-boom nebo baby-bust?
   b. Situace v Česku – Podrobnější data
   c. Odhady TFR



Motivace: koronavirová pandemie

Přímý vliv na úmrtnost a nemocnost:

- John Hopkins University database
- Eurostat, EUROMOMO
- Human Mortality Database: Short-Term Mortality Fluctuations (STMF)

Nepřímý vliv na plodnost:

- Novinové články, spekulace o baby-boomu
- Studie výsledků těhotenství
- Big data (Google, Facebook)
- Short-Term Fertility Fluctuations
- …další podobné projekty (Philip Cohen, USA)

The Economist

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Graphic detail

Daily chart

Will the coronavirus lockdown lead to a baby boom?

Coronavirus baby boom or bust? How the pandemic is affecting birthrates worldwide.

7NEWS .com.au

LIFESTYLE

Coronavirus baby boom: Will global lockdown see massive jump in Australia's birth rate?

Berliner Zeitung

„Es droht die Geburten-Krise“

Kommt es zu einem Babyboom nach der Corona-Krise? Die Soziologin Michaela Kreyenfeld von der Hertie School of Governance in Berlin bezweifelt das.

The baby boom that never was: France sees sharp decline in 'lockdown babies'

EL PAÍS

DEMOGRAPHICS

The coronavirus effect: Spain sees sharp decline in births

There was a 23% fall in registered newborns in the December-January period compared with the previous year, mirroring similar trends in neighboring countries

Babyboom nenastal, porodnost naopak klesne, čeká demografka. Část párů odradil covid

Michaela Endrštová
31. 7. 2021 7:02

Babyboom spojený s častějším pobytem doma kvůli pandemii covidu se nekoná. Naopak, předběžné výsledky průzkumu vědců z Univerzity Karlovy a Masarykovy univerzity ukazují, že část lidí považuje současnou dobu za nepříznivou pro početí potomka. Vedle snižujícího se počtu žen v reprodukčním věku to podle demografky Jiřiny Kocourkové může hrát roli v tom, že v Česku klesne v příštích letech porodnost.

The New York Times

navirus Outbreak › | LIVE Latest Updates | Maps and Tracker | States Reopening | Living at Home

Don't Expect a Quarantine Baby Boom

Not only do disasters have little effect, if any, on birthrates, the coronavirus pandemic will probably discourage couples from having children, experts say.

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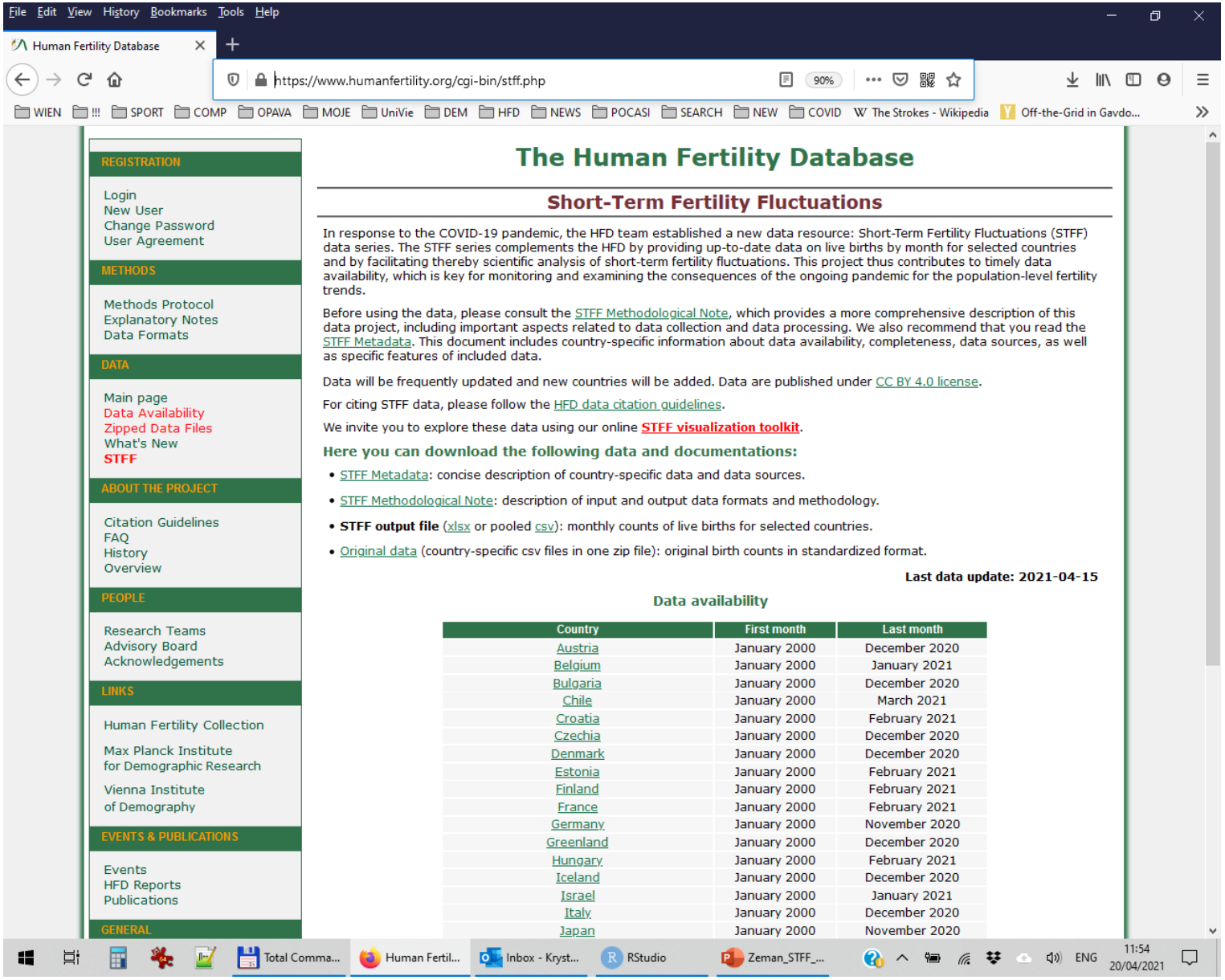
The Covid Baby Bust Could Reverberate for Decades

The sudden drop in global fertility during the pandemic will have far-reaching consequences for

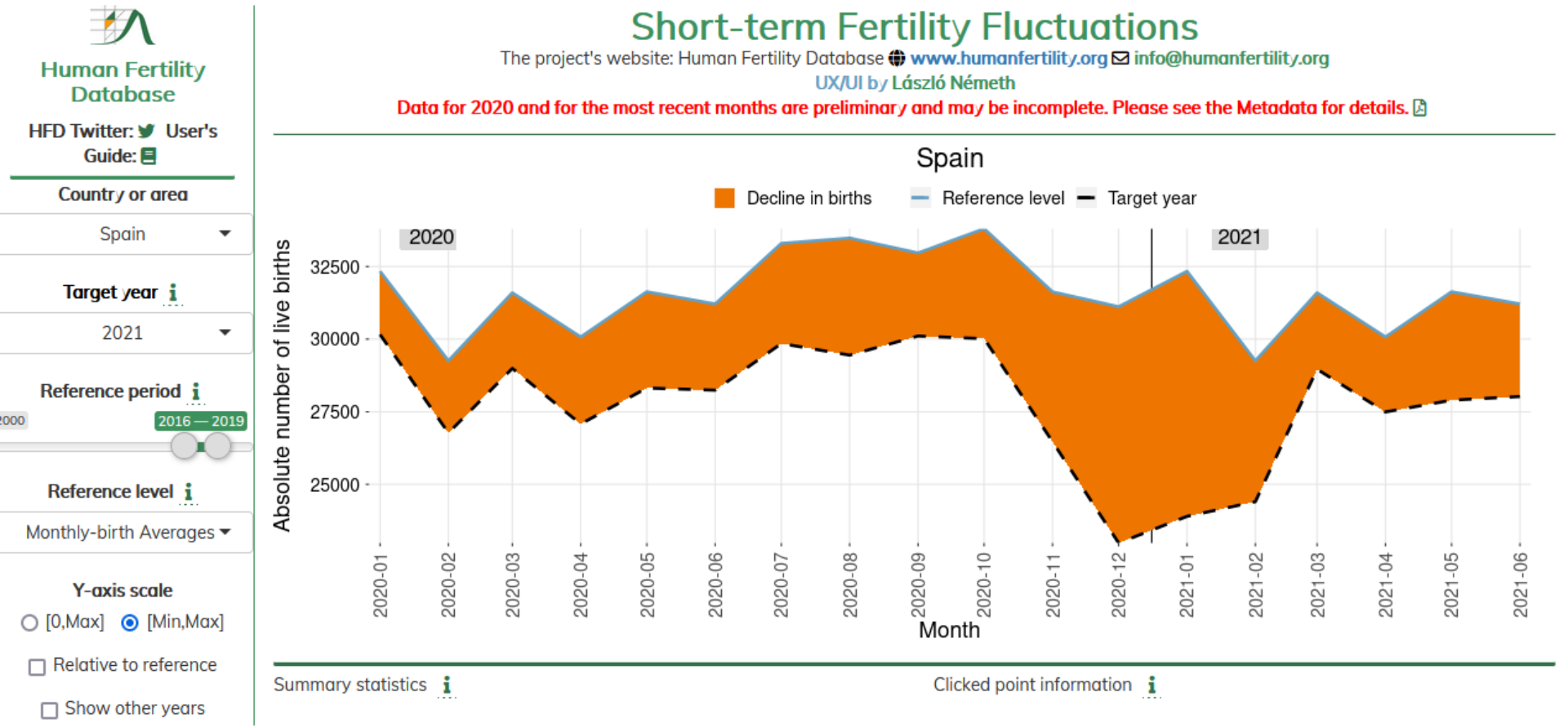
STFF subsekce – www.humanfertility.org



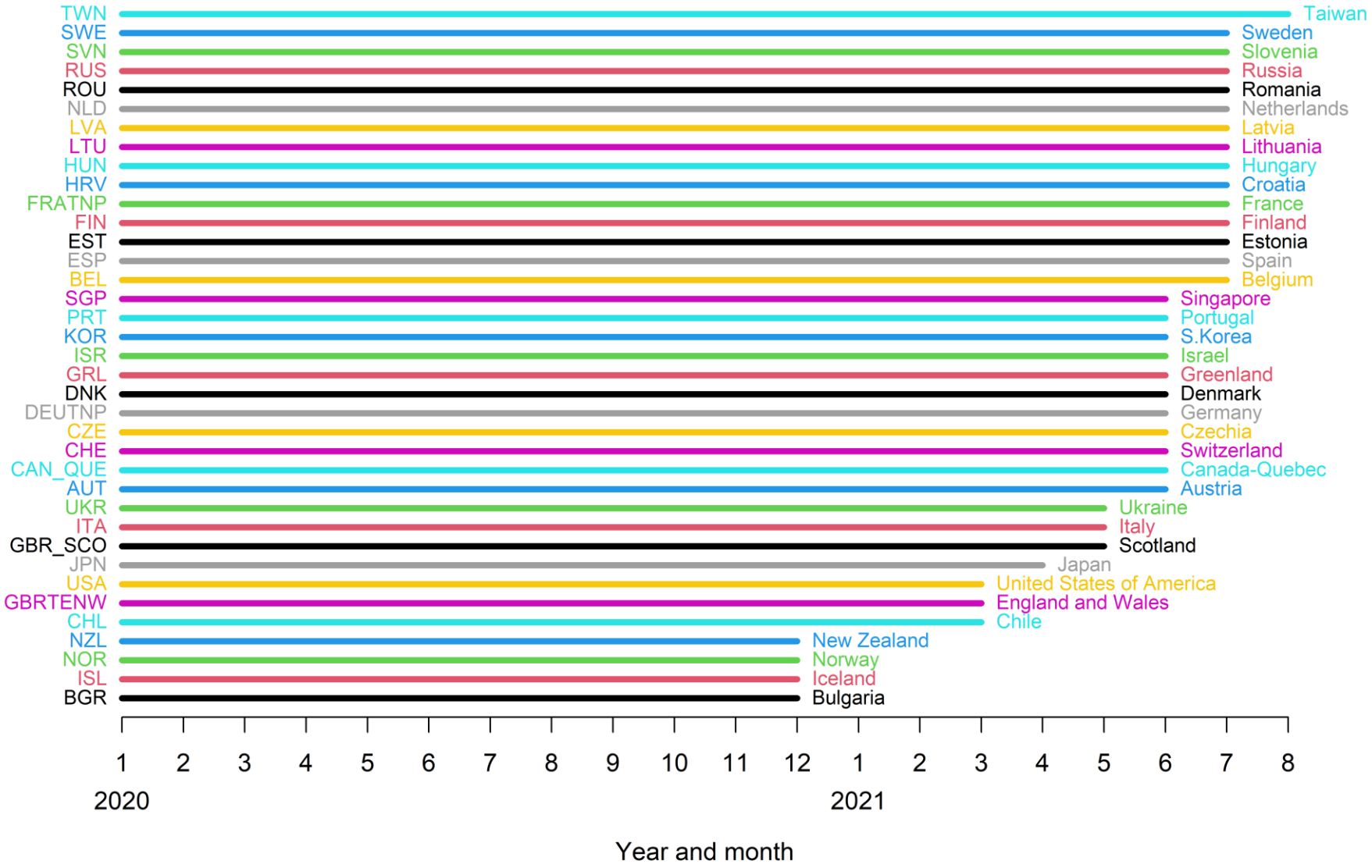
STFF data za měsíční narozené

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	**SPAIN**																
2																	
3	CountryCod	Area	Year	January	February	March	April	May	June	July	August	September	October	November	December	UNK	TOT
4	ESP	1	2000	32924	30612	33529	32132	33963	31747	33643	33551	33677	33921	33235	33692	.	396626
5	ESP	1	2001	34118	29821	33340	32590	35372	32625	34680	34695	34061	36185	34224	33602	.	405313
6	ESP	1	2002	33932	31225	33590	34569	35617	32858	35873	35328	36835	37038	34912	35911	.	417688
7	ESP	1	2003	36067	32965	36741	36846	38474	35982	37719	36687	38531	37848	36019	36652	.	440531
8	ESP	1	2004	37501	34405	36962	36300	37377	36886	39146	37837	39618	39916	38073	39151	.	453172
9	ESP	1	2005	38456	35329	38685	37696	39299	37116	38907	40110	40152	40049	39241	39771	.	464811
10	ESP	1	2006	40075	36394	40641	38229	41473	39512	40484	40286	41486	43069	40662	38984	.	481295
11	ESP	1	2007	41670	36171	40376	38530	41289	40085	42682	41716	42981	44256	40869	40513	.	491138
12	ESP	1	2008	42722	39515	42061	43585	44291	42263	45362	44266	44581	44741	42051	43065	.	518503
13	ESP	1	2009	41985	37565	41728	40039	41569	40303	42907	41305	42825	41965	40018	41508	.	493717
14	ESP	1	2010	40449	36121	40359	38504	39563	38091	40487	40794	42559	43382	41448	43495	.	485252
15	ESP	1	2011	38502	36608	39900	37396	39323	38106	40310	41281	39922	40596	39643	38966	.	470553
16	ESP	1	2012	38360	35816	38101	36470	38850	36565	38474	39135	38331	39919	37078	36249	.	453348
17	ESP	1	2013	36869	32211	34459	34509	34901	33877	36879	36328	36716	37510	35154	35027	.	424440
18	ESP	1	2014	35692	31615	35967	34335	35489	34589	36821	35928	37550	37153	34922	36015	.	426076
19	ESP	1	2015	35337	31211	35058	33689	34980	33785	36238	35333	36512	36535	34784	34970	.	418432
20	ESP	1	2016	34333	31959	34140	31613	33288	34054	35653	36041	35996	35533	33181	32943	.	408734
21	ESP	1	2017	32541	29647	32706	30600	32602	31933	33861	33889	33566	34904	33175	31841	.	391265
22	ESP	1	2018	31614	28086	30206	29302	30906	30380	32342	32860	31224	32874	30546	30487	.	370827
23	ESP	1	2019	30858	27324	29333	28780	29732	28475	31329	31134	31083	31896	29610	29193	.	358747
24	ESP	1	2020	30161	26771	28994	27078	28317	28243	29848	29449	30107	30017	26470	22980	.	338435
25	ESP	1	2021	23898	24402	28964	27493	27898	28024	.	.	.	.	.	.	.	.
26																	

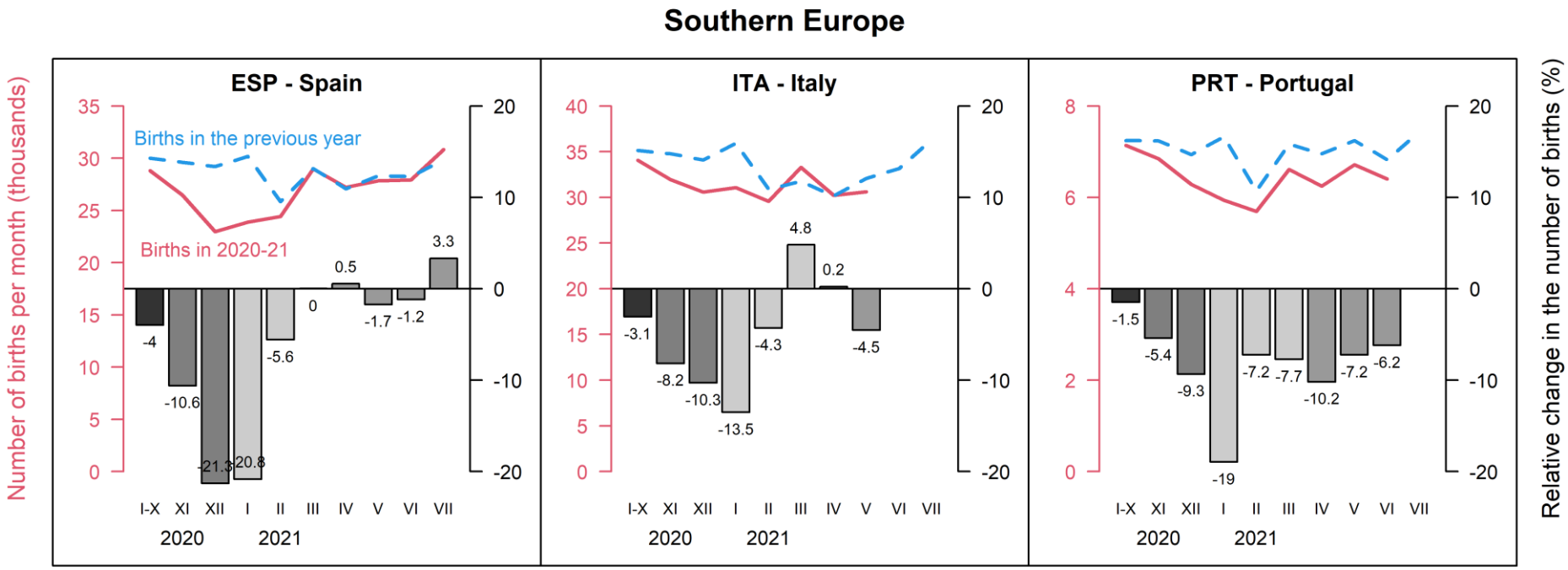
STFF visualization toolkit in Shiny



Dostupná data



První výsledky



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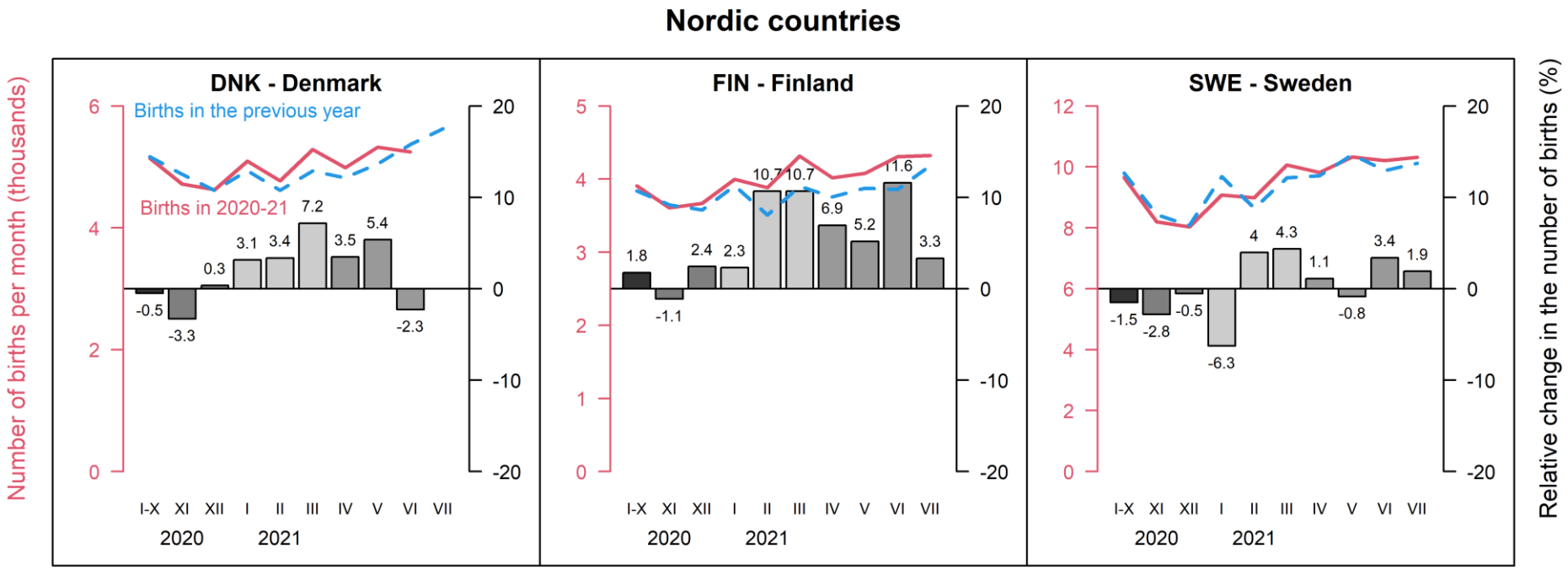

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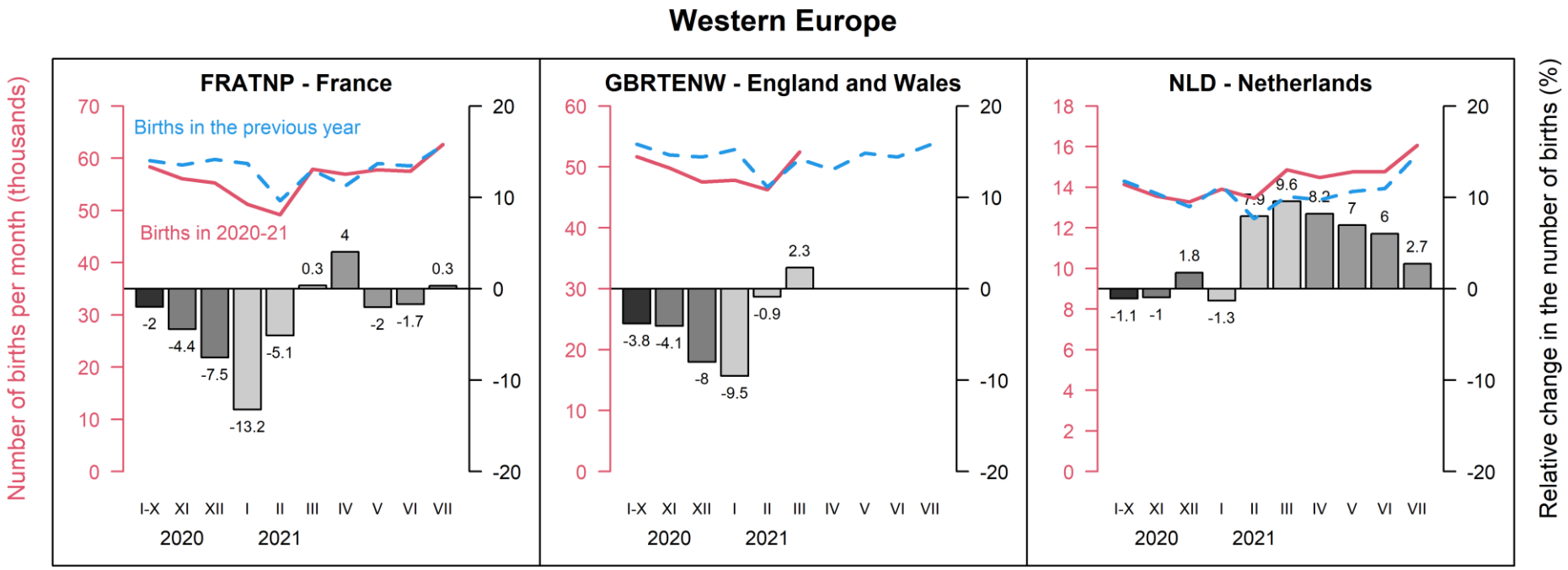

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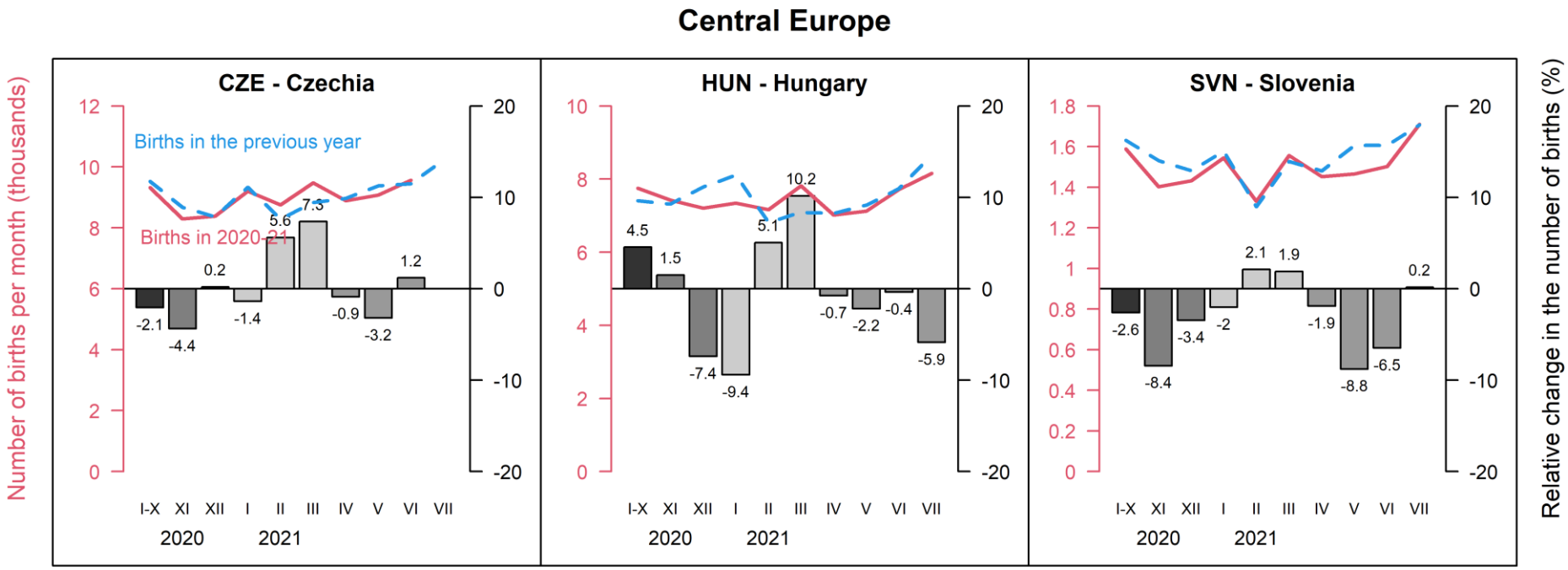

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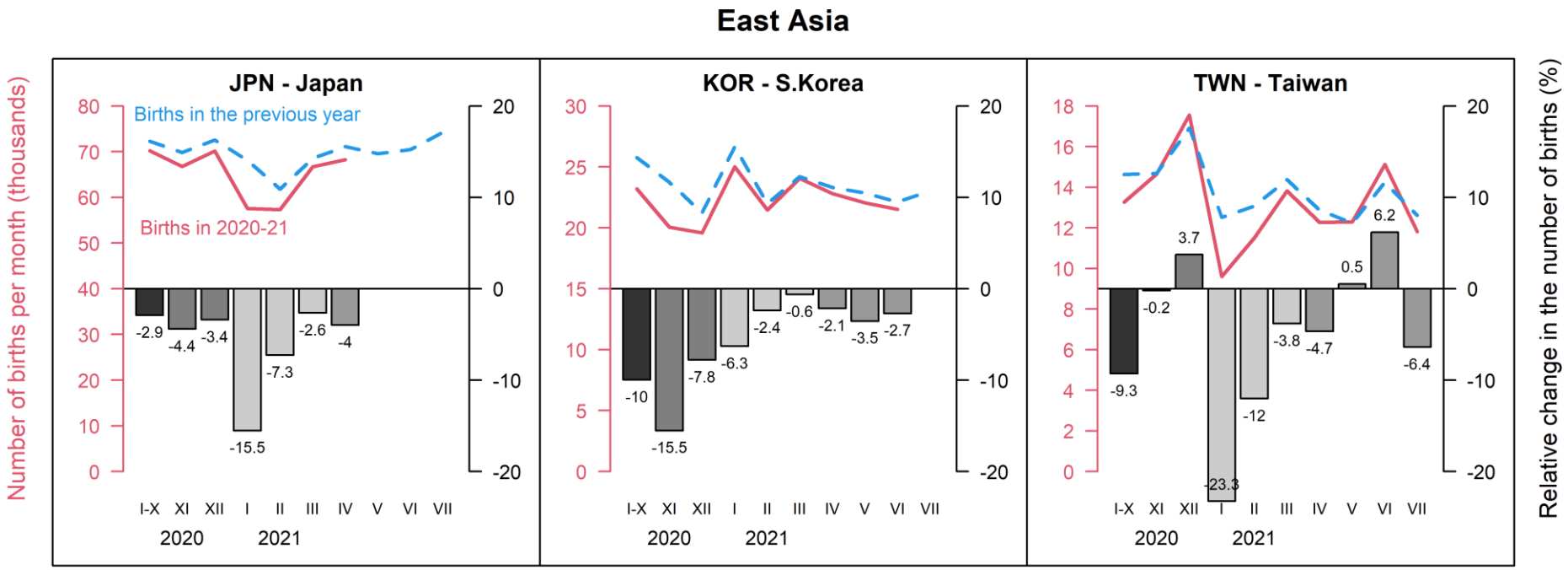

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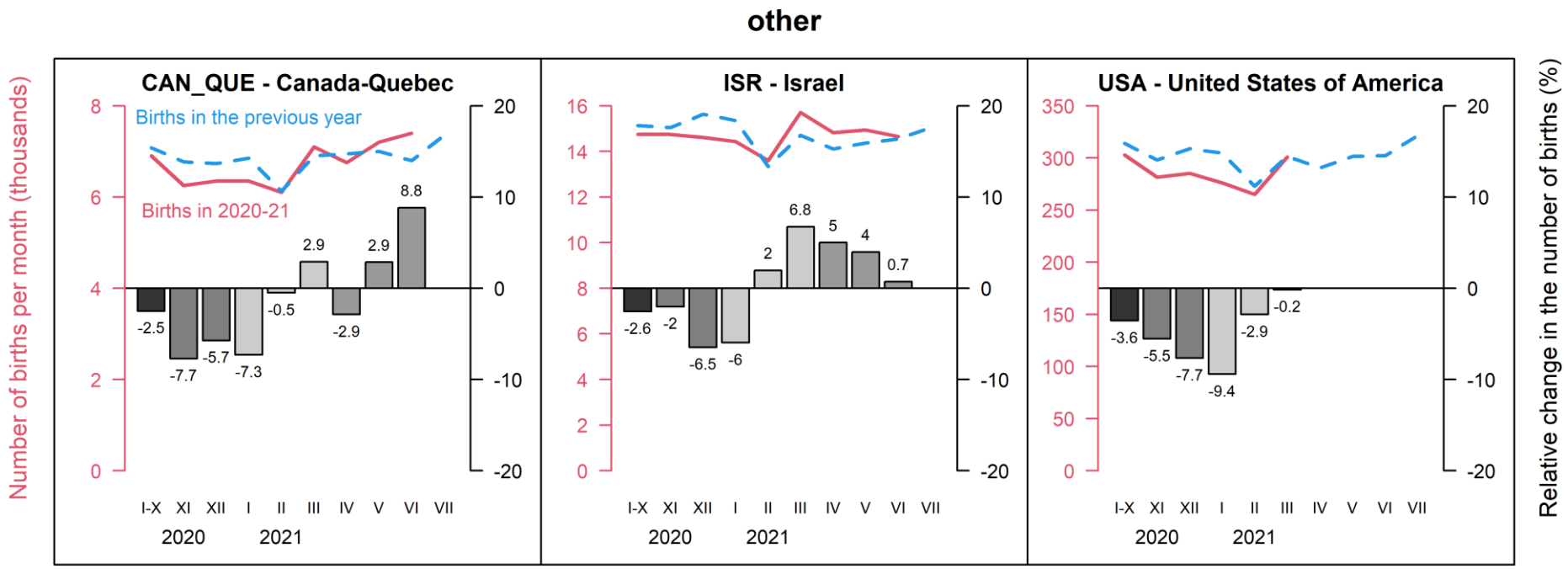
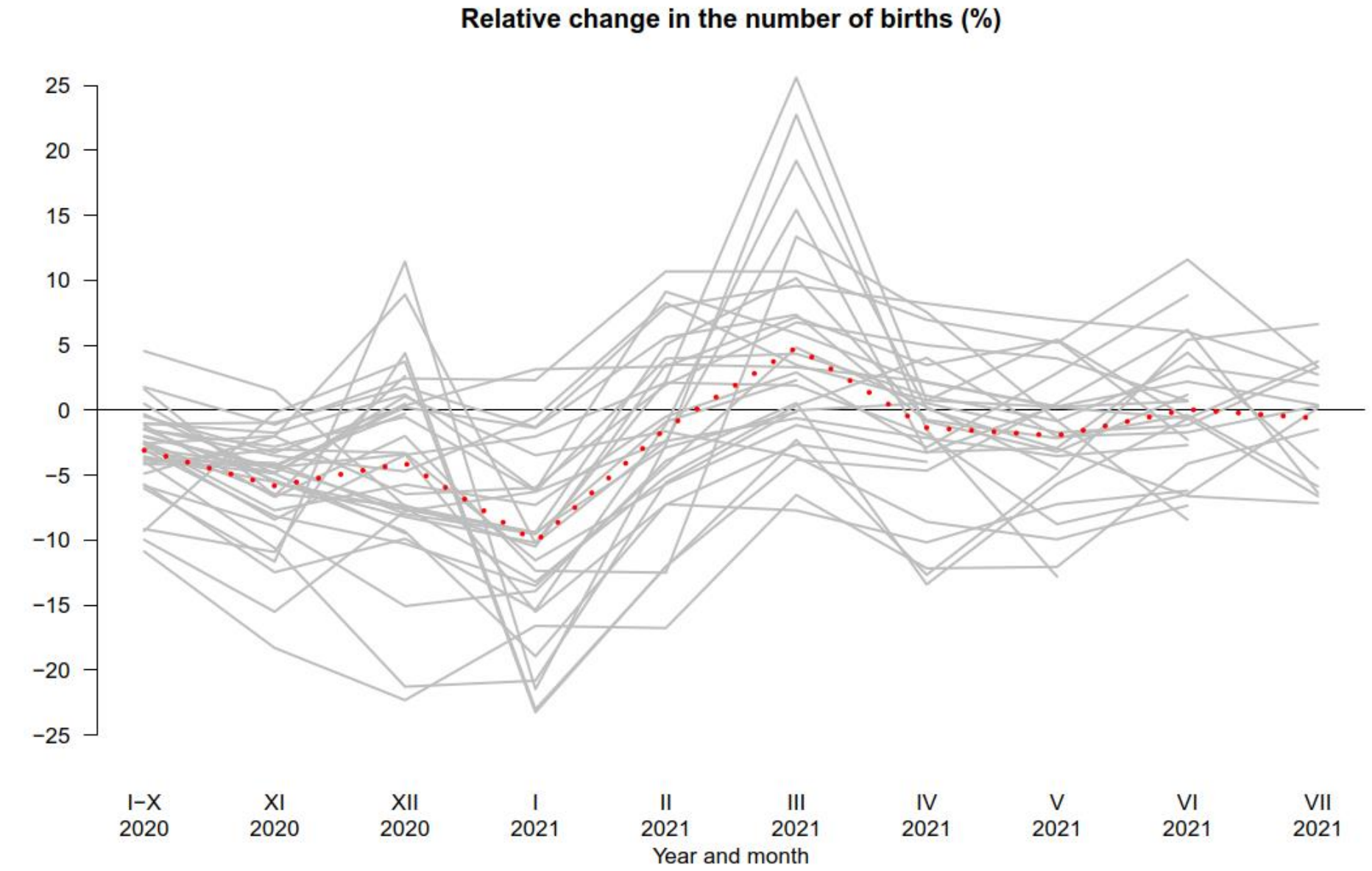
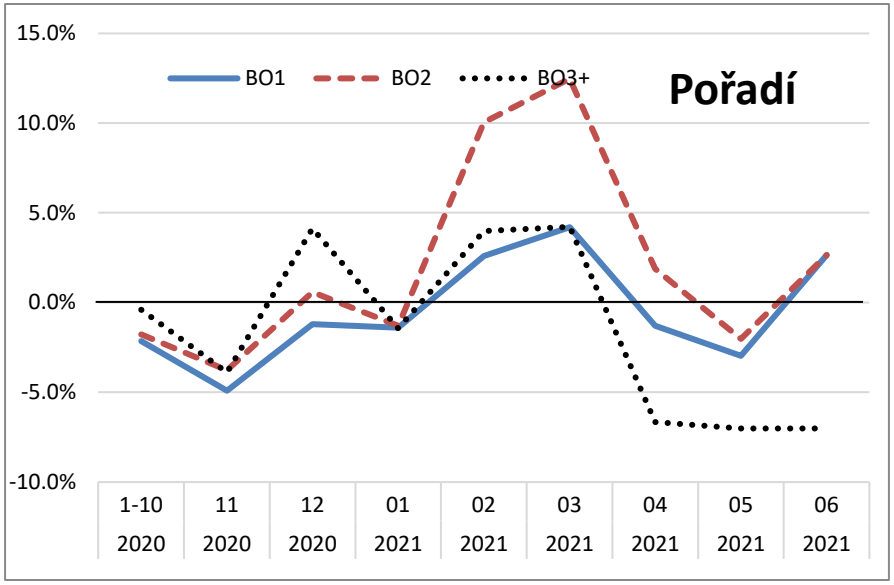
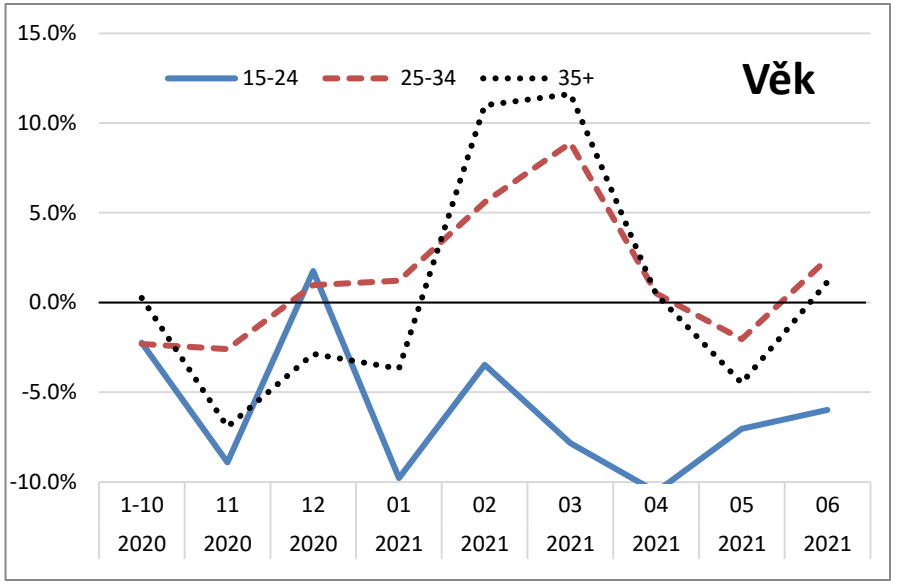


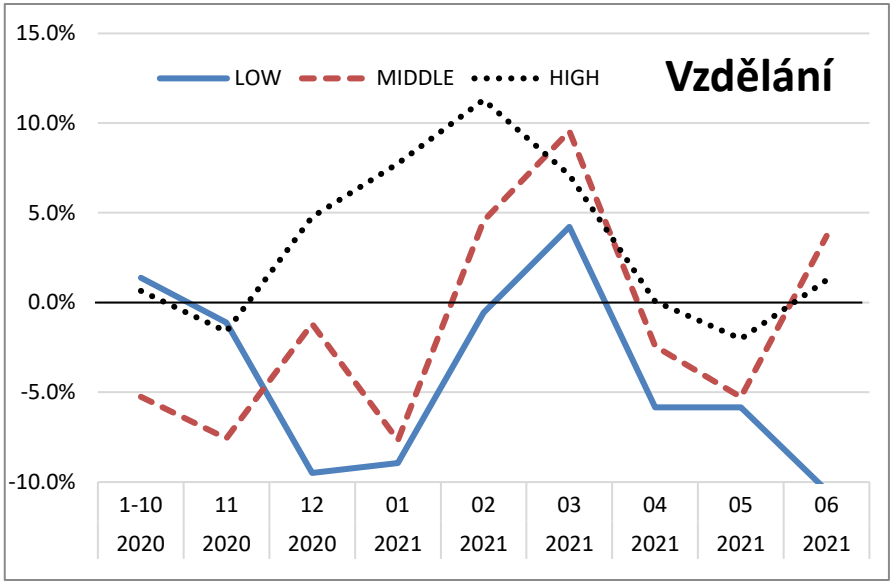
První výsledky – shrnutí

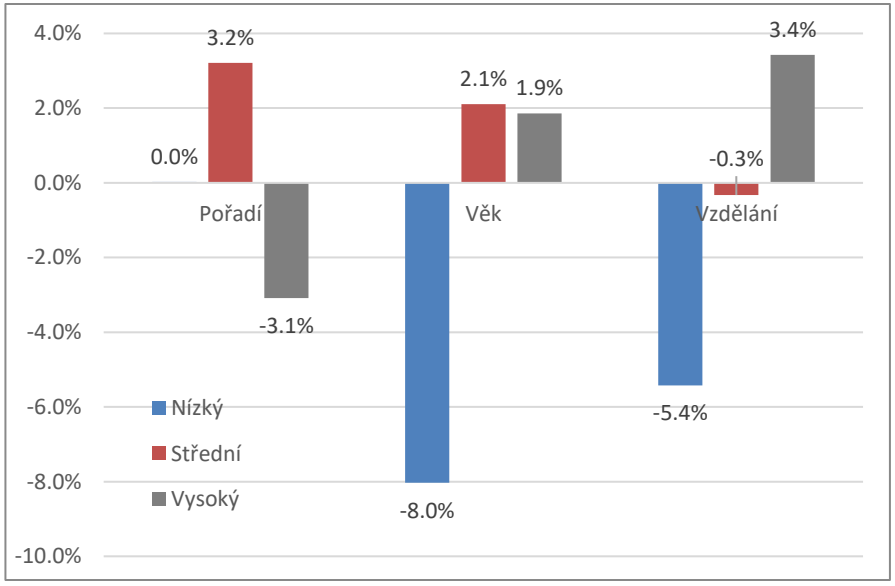


Situace v Česku – detailnější data

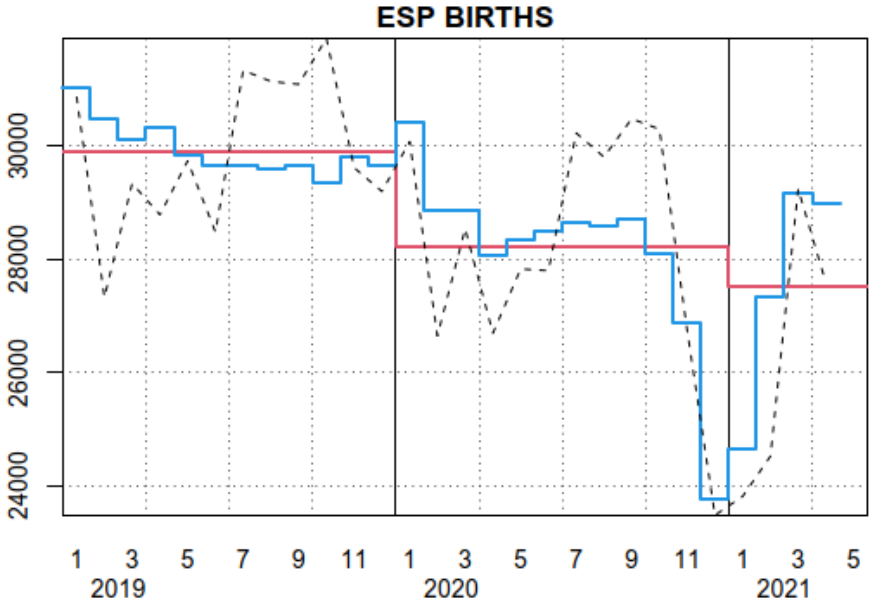


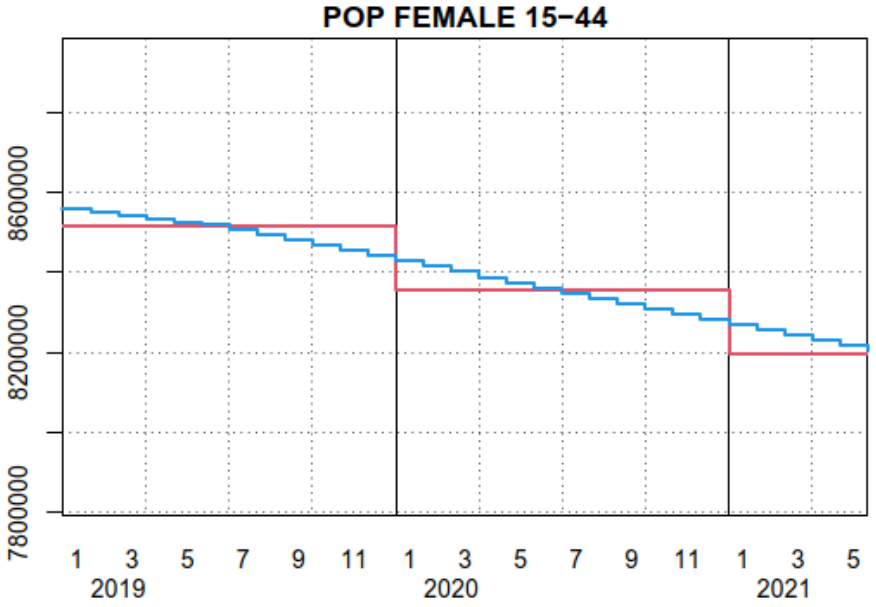


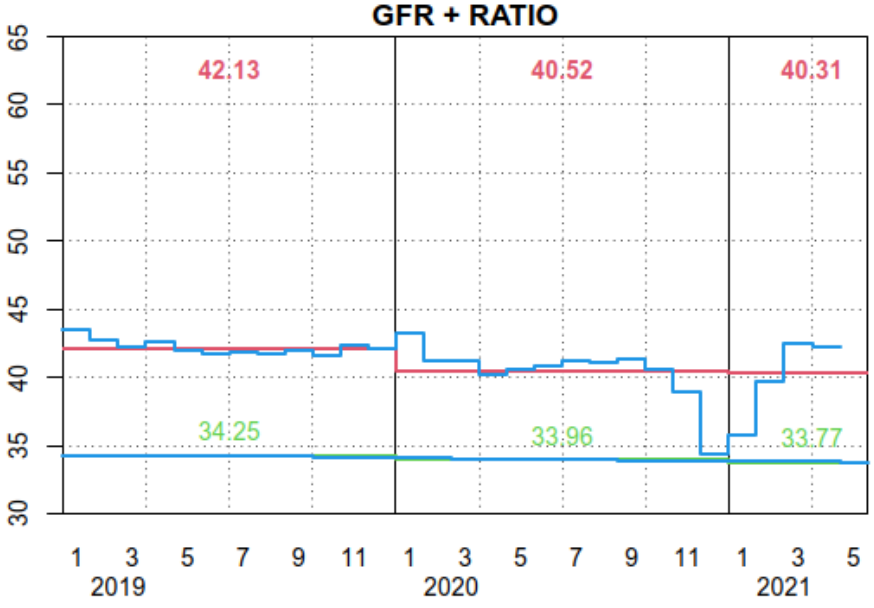


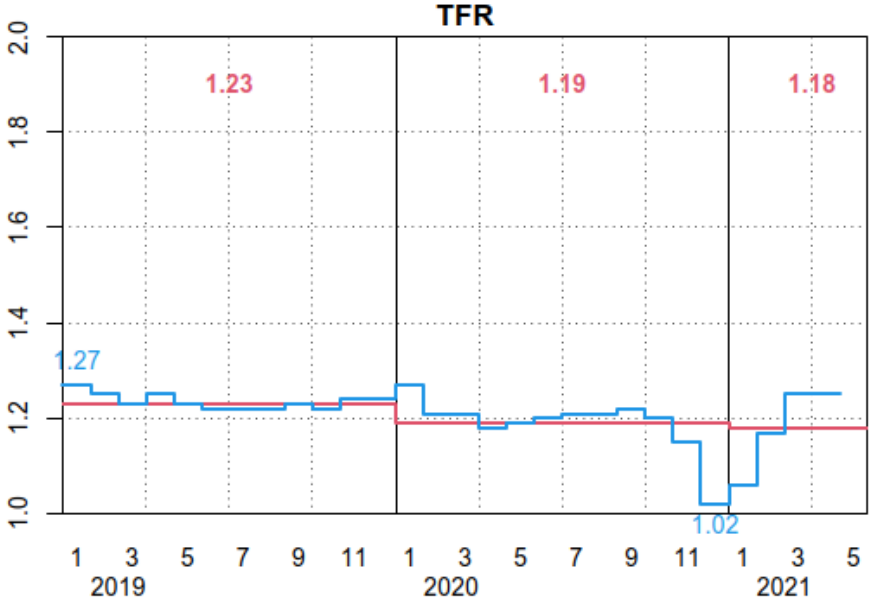


Další krok – odhady měsíční úhrnné plodnosti









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