

Oborový seminár

Adam Mertel

PhD

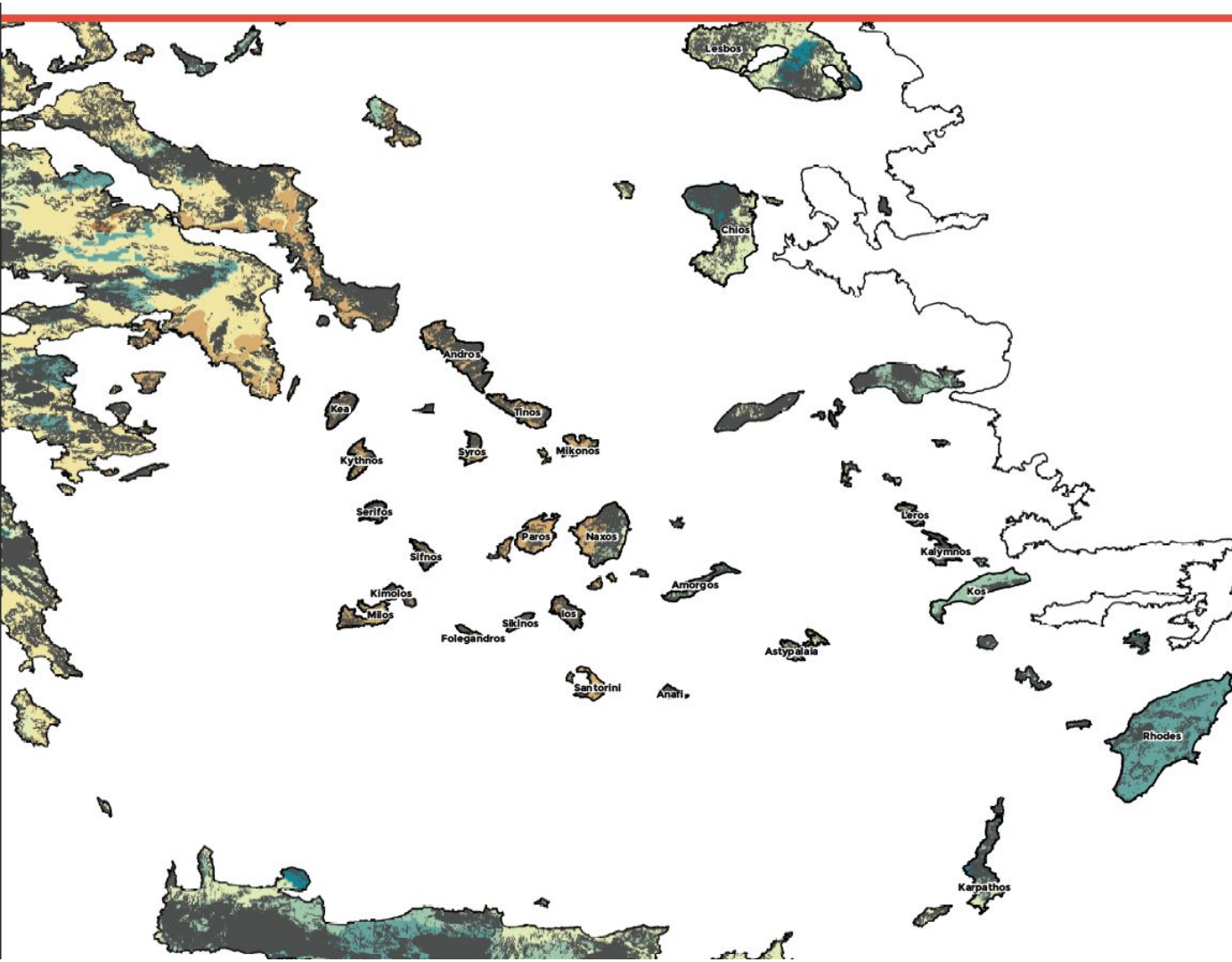
Prečo?



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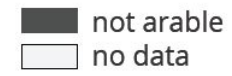
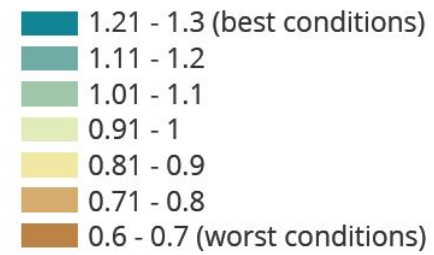
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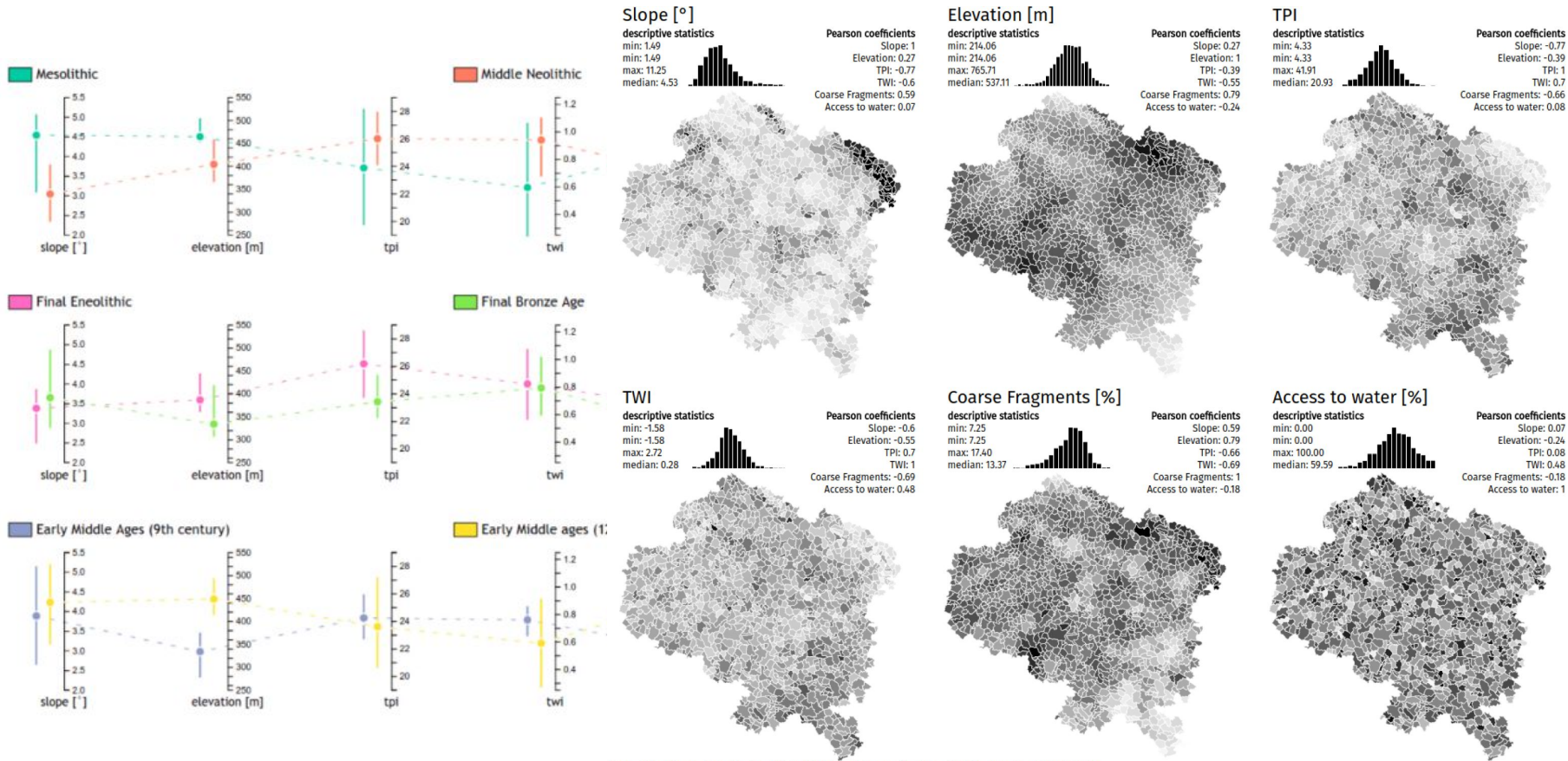
www.shutterstock.com



Coefficient of Theoretical Agricultural Profitability

Combination of factors:
rainfall, terrain and soils





Monasteries and convents

France, 4th-15th c.

109 / 1999 records

time

time filter active

1198 1500

orders

- early medieval
- Valliscaulans
- Savigniac Order
- Benedictines
- Cluniac Benedictines
- Carthusians
- Cistercians
- Feuillants
- Trappists
- Praemonstratensians
- Carmelites
- Dominicans
- Franciscans
- Augustinian Friars

status

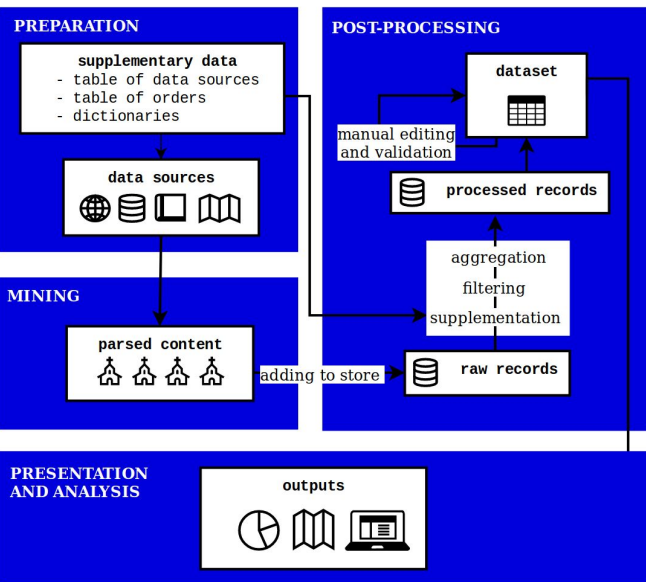
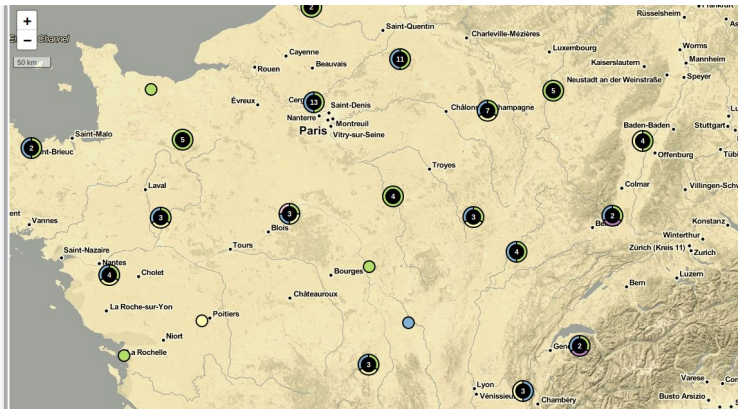
unknown

gender

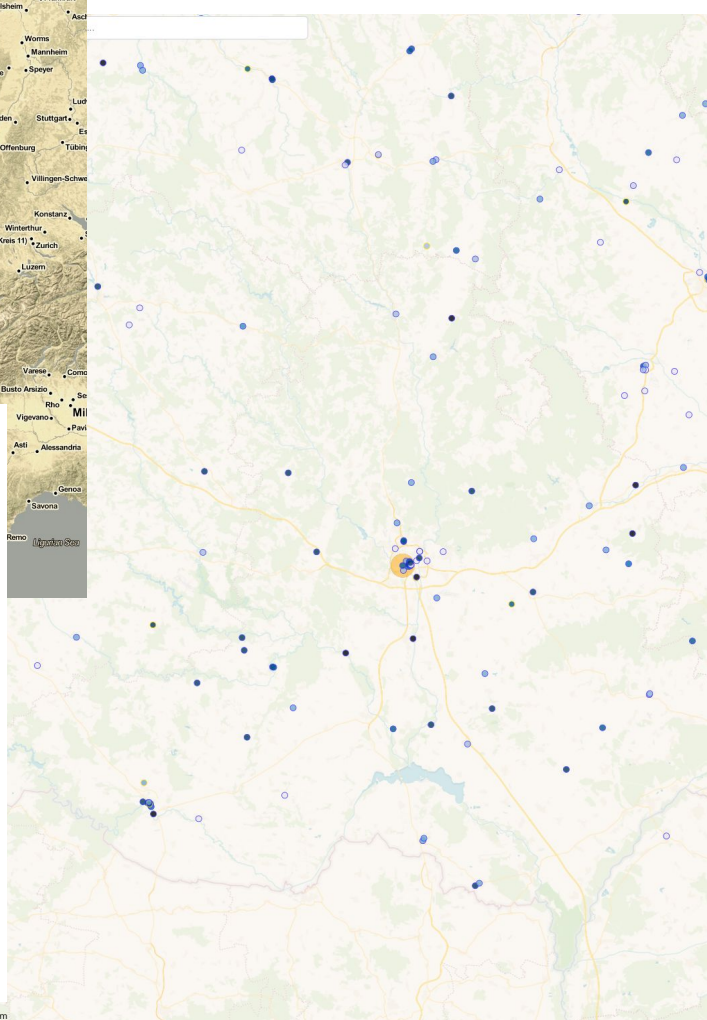
male

female

double



10 km



RELIGIOUS HOUSES IN THE CZECH LANDS

Filter locations - 777 displayed

- by Order
- by Status
- by Dedication

from 1000 to 2023

locations without date

Location details

48.1920442;16.5940194

Brno Nanebevzetí Panny Marie – Augustinian Friars, Cistercians

Brno Nanebevzetí Panny Marie – augustiniánů; Opatství a kostelom Nanebevzetí Panny Marie na Starém Brně; Aula S. Marie; Abbazia Veterobranensis; Staré Brno

Communities:
Cistercians (1323–1782)
Augustinian Friars (1783–1950)
Augustinian Friars (1990–2023)

Statuses:
abbey (1783–1950)
convent (1990–2023)

Dedications:
Assumption of the Virgin Mary (1350–2023)

Photographs:



Sources:

Milan M. Buben, Encyklopedie řádů a kongregací v českých zemích, III. díl/2. svazek, Praha: Nakladatelství Libri, 2007, p. 76–83.

Legend

Monasteries by the century of establishment:

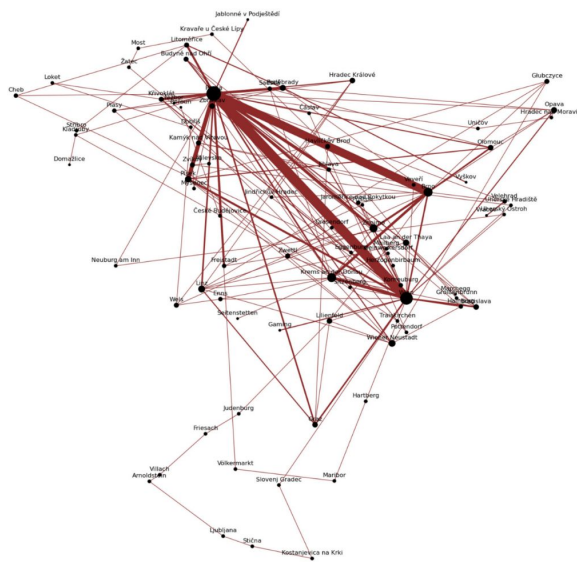
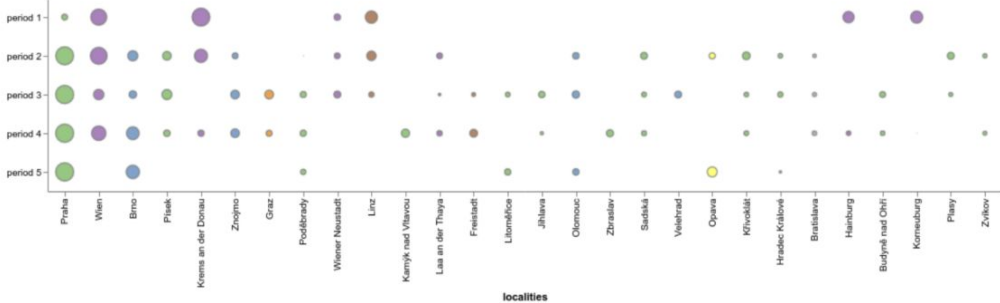
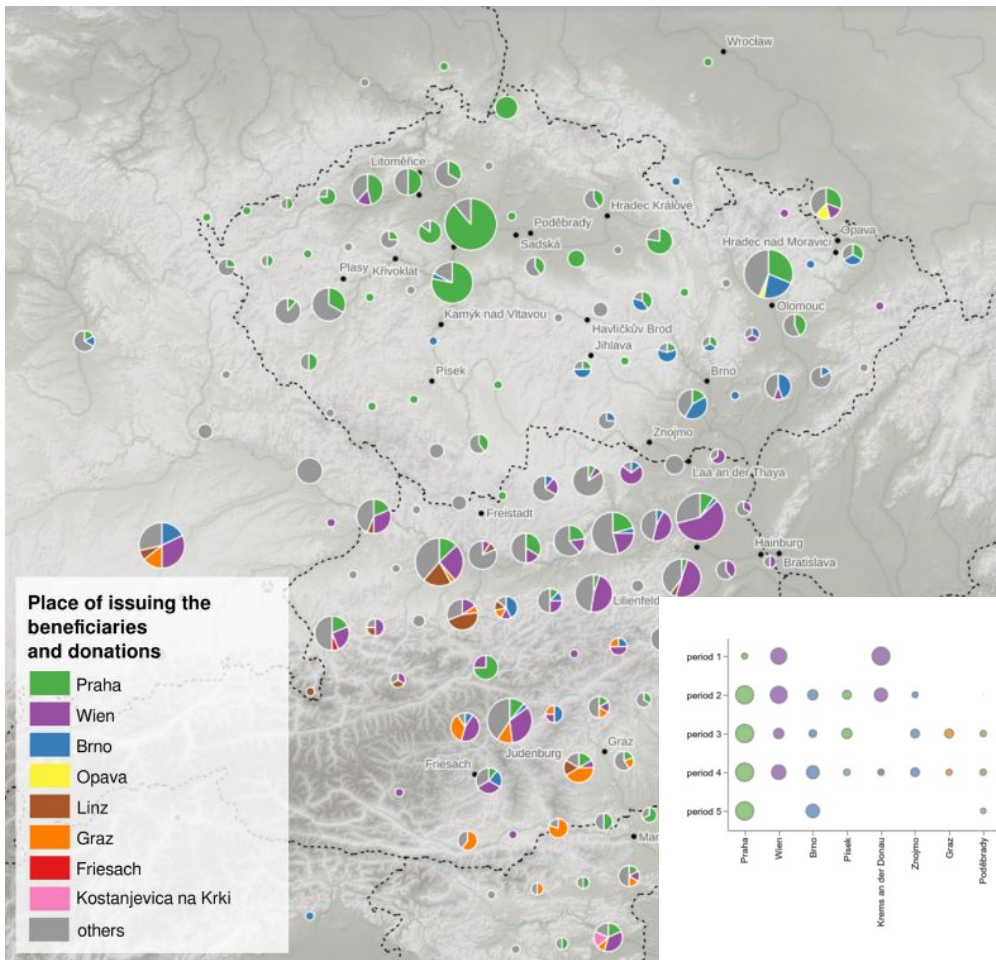
oldest newest

no datation

Localization certainty:

precise approximate ambiguous

info



PostDoc

Prečo?

-



shutterstock

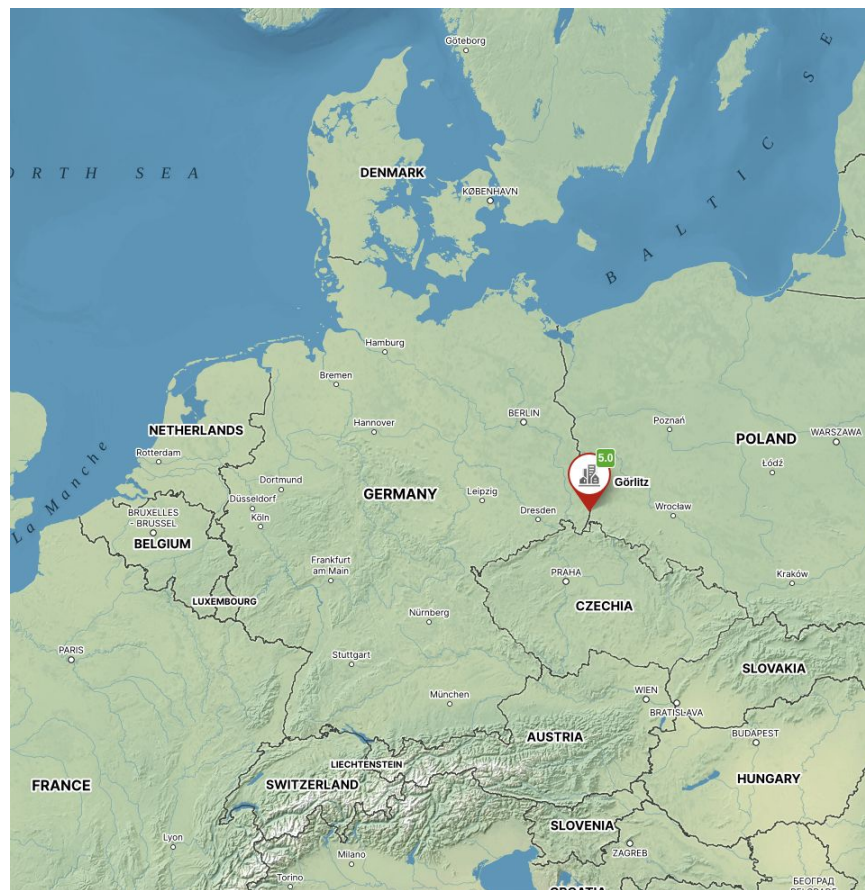
IMAGE ID: 1517113610
www.shutterstock.com

Hľadanie postDoc pozície - Kritéria + Pohovor

- academicpositions.com
- euraxess.ec.europa.eu/jobs

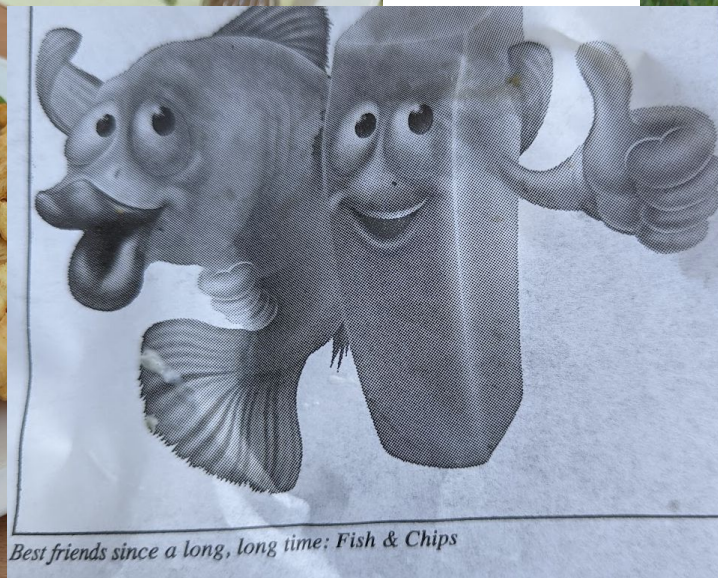
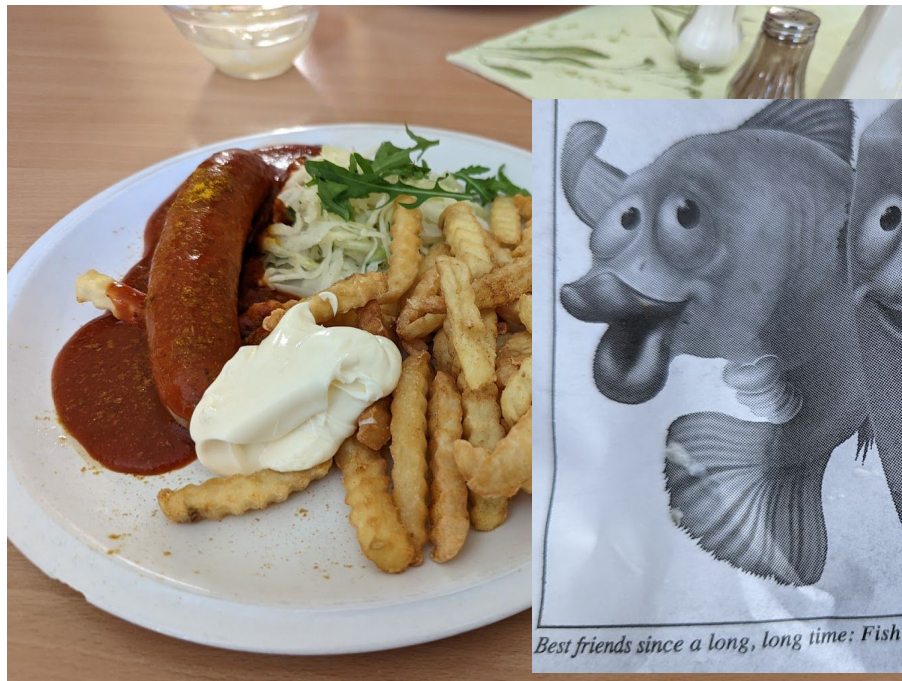


Výber



Gorlitz

-



Best friends since a long, long time: Fish & Chips



Gorlitz

-

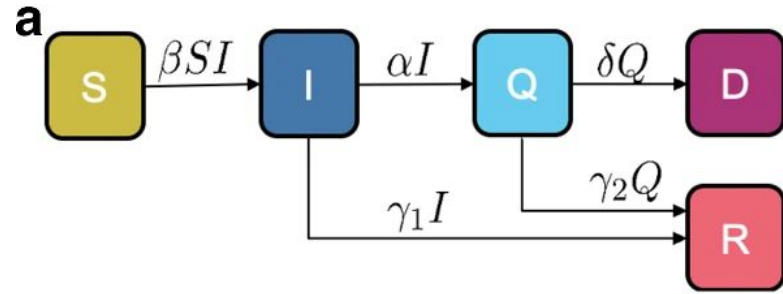
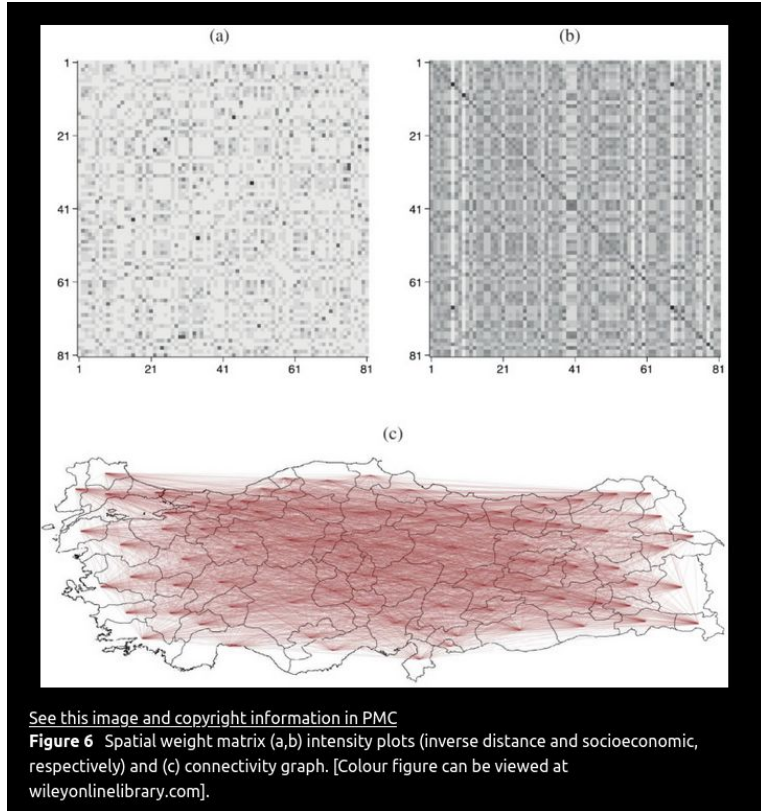


Gorlitz

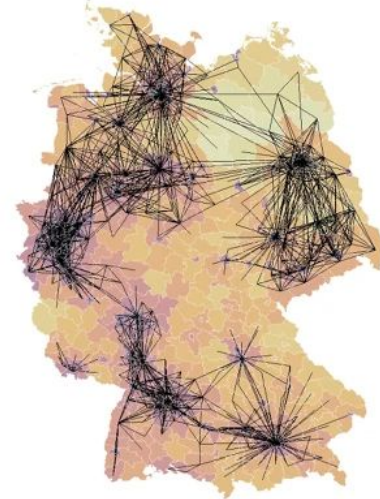
-

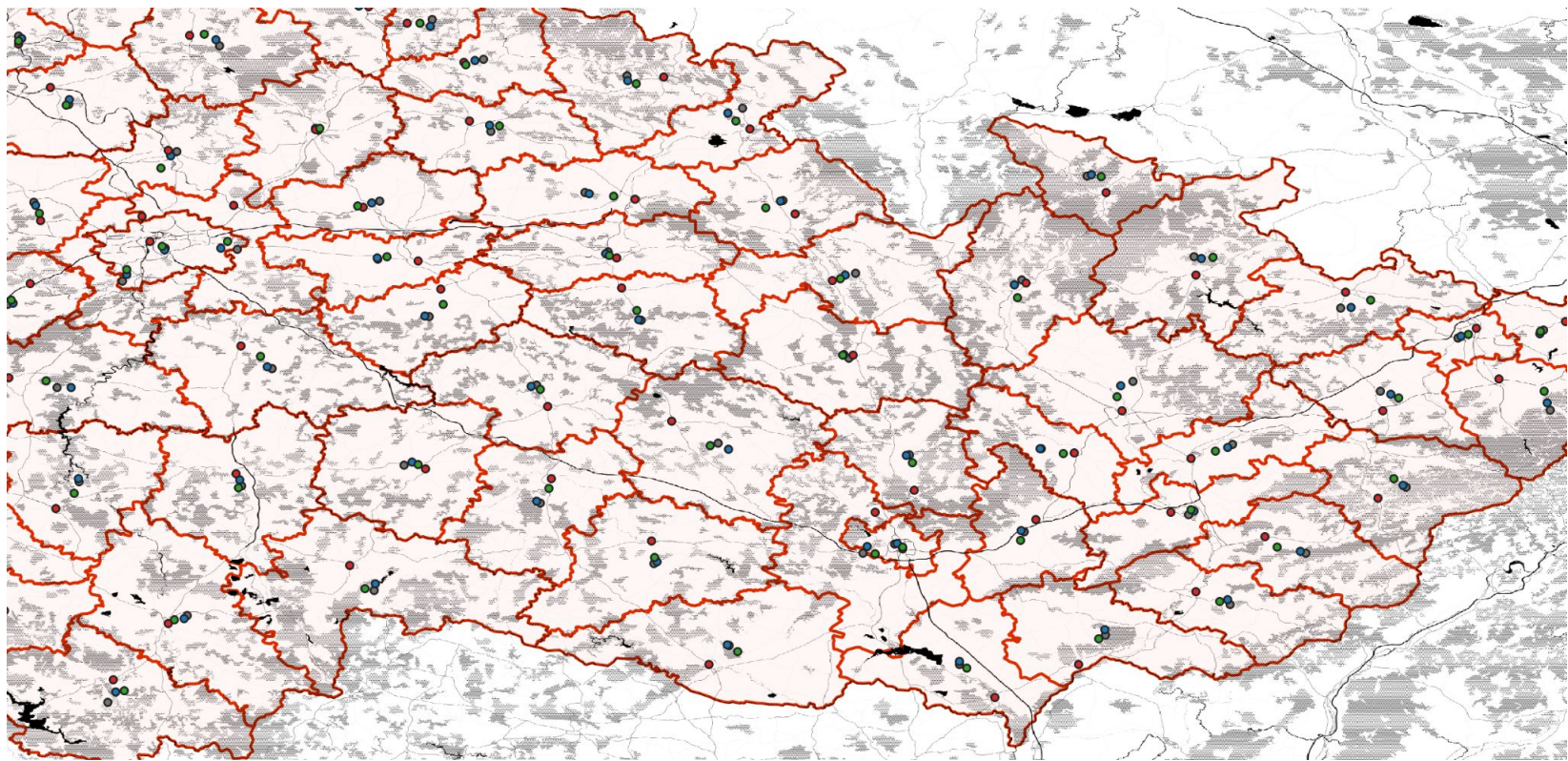


Modelovanie COVIDu



b





Dáta

The screenshot shows the Sachsen.de website with a navigation bar and a main content area. The main content area features a large image of a coronavirus particle and a text block with the headline "7.272 neue Infektionsfälle im Vergleich zum Vortag". Below the image is a search bar and three buttons: "Verordnung", "Impfen", and "Testen".

Corona in Sachsen

7.272 neue Infektionsfälle im Vergleich zum Vortag

Im Freistaat Sachsen sind bislang 582.155 Infektionsfälle durch Labortests bestätigt (Stand 10. Dezember 2021, 12:30 Uhr).

[Aktuelle Infektionszahlen in Sachsen](#)

Suchen

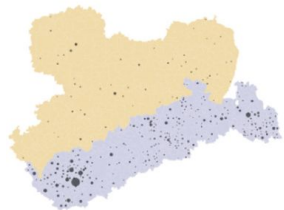
Verordnung | Impfen | Testen

Auf unserer Webseite werden Cookies gemäß unserer [Datenschutzerklärung](#) verwendet. Wenn Sie weiter auf diesen Seiten surfen, erklären Sie sich damit einverstanden. [Verstanden](#)

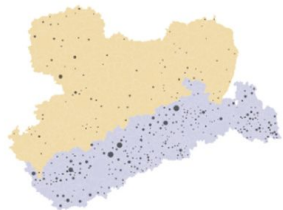
The screenshot shows the Czech COVID-19 dashboard with a grid of statistics. The statistics are presented in colored boxes with the following data:

Statistik	Wert	Änderung	Datum
Provedené PCR testy	14 955 609	(+ 81 839 za 09.12.)	10.12.2021 04:42
Provedené antigenní testy	30 334 289	(+ 23 491 za 09.12.)	10.12.2021 04:42
Vykázaná očkování	14 230 980	(+ 95 647 za 09.12.)	10.12.2021 04:44
Aktuálně hospitalizováni	6 321		10.12.2021 04:42
Potvrzené případy	2 312 736	(+ 14 229 za 09.12.)	10.12.2021 04:40
Potvrzené případy (65+)	323 160	(+ 1 532 za 09.12.)	10.12.2021 04:40
Vyléčení	1 981 792		10.12.2021 04:41
Úmrtí	34 242		10.12.2021 04:42
Potvrzené případy za posledních 7 dní na 100 000 obyvatel	938	(979 ke dni 09.12.)	10.12.2021 04:42
Potvrzené případy za posledních 14 dní na 100 000 obyvatel	2 074	(2 202 ke dni 09.12.)	10.12.2021 04:42

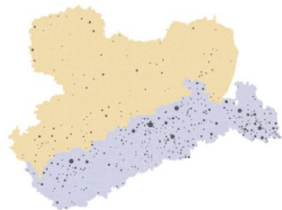
2021-01-31



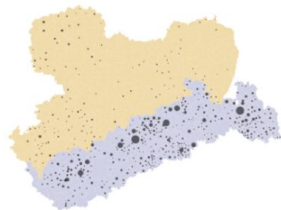
2021-02-07



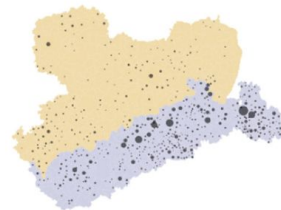
2021-02-14



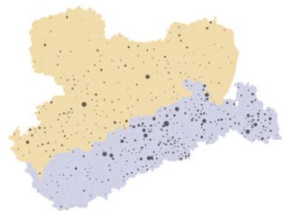
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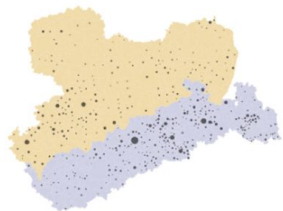
2021-02-28



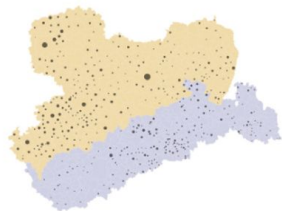
2021-03-07



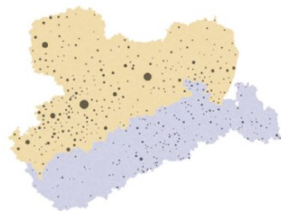
2021-03-14



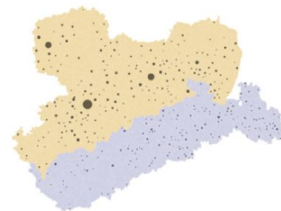
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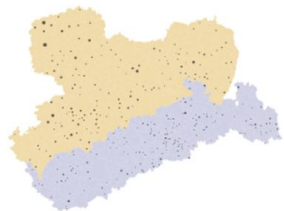
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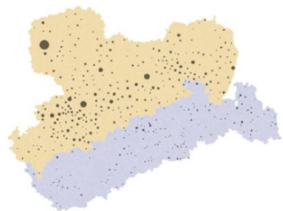
2021-04-04



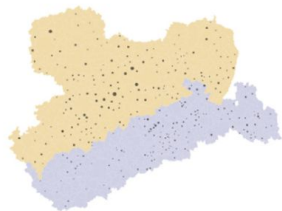
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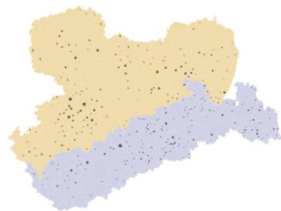
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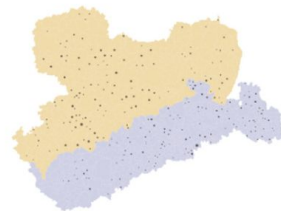
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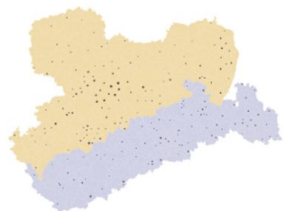
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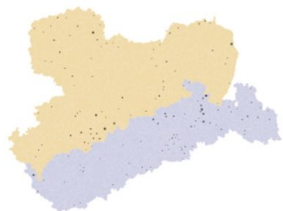
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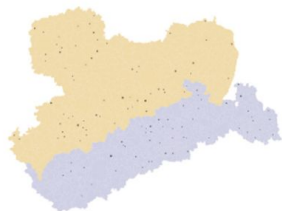
2021-05-16



2021-05-23



2021-05-30



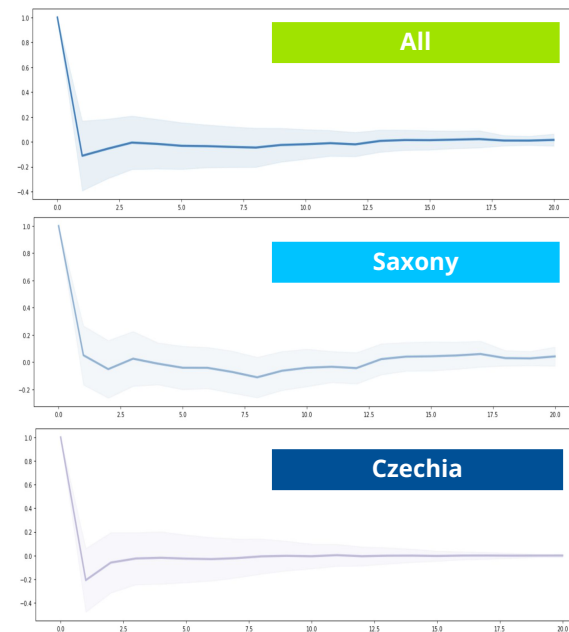
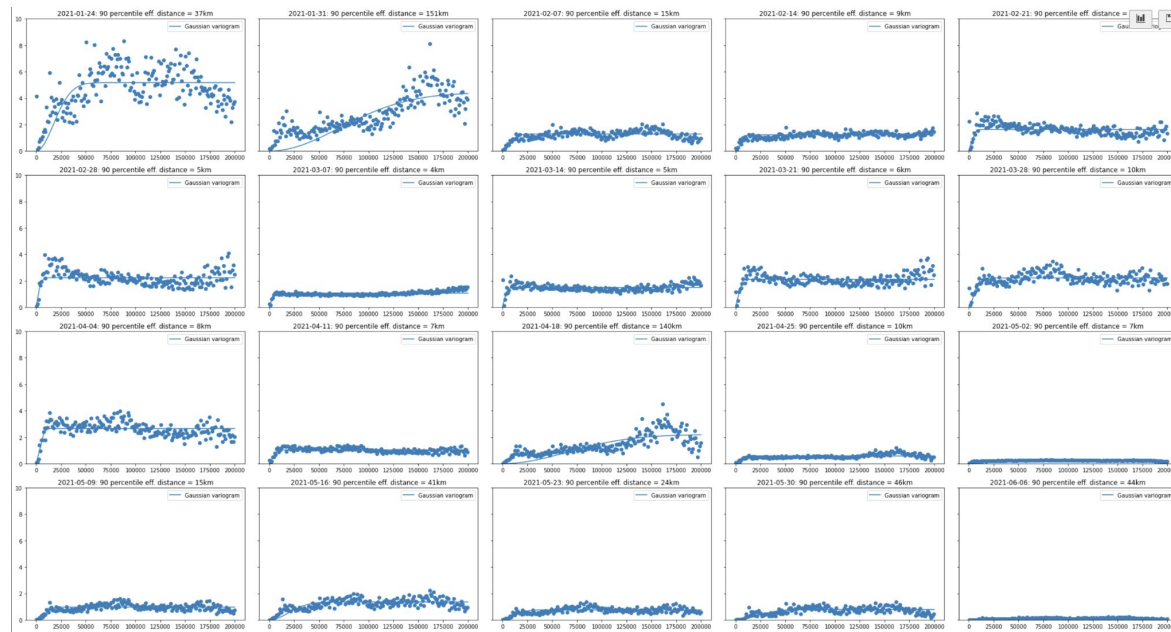
2021-06-06



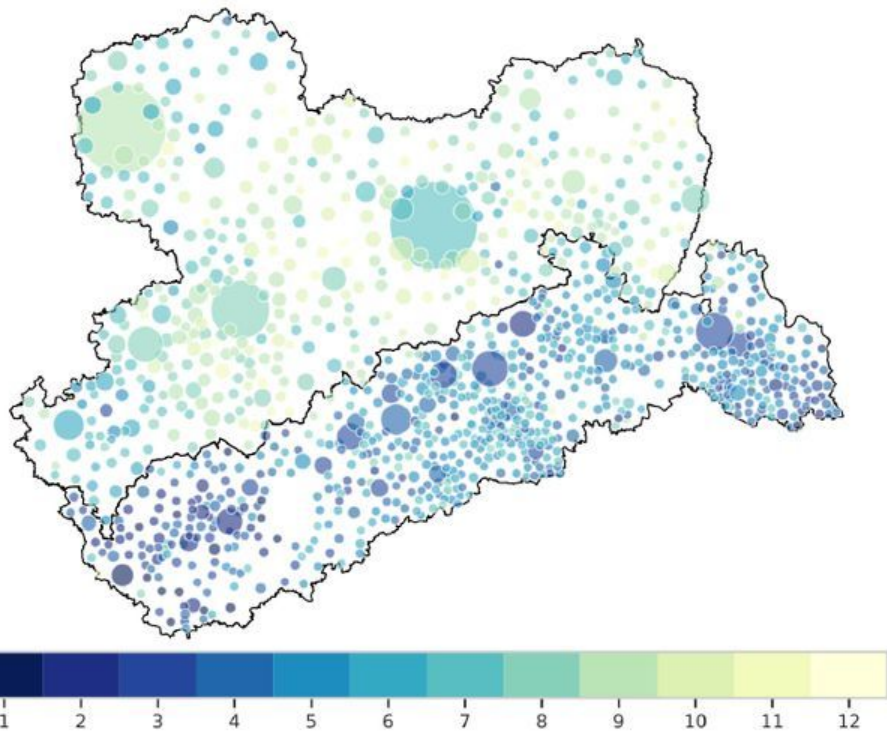
2021-06-13



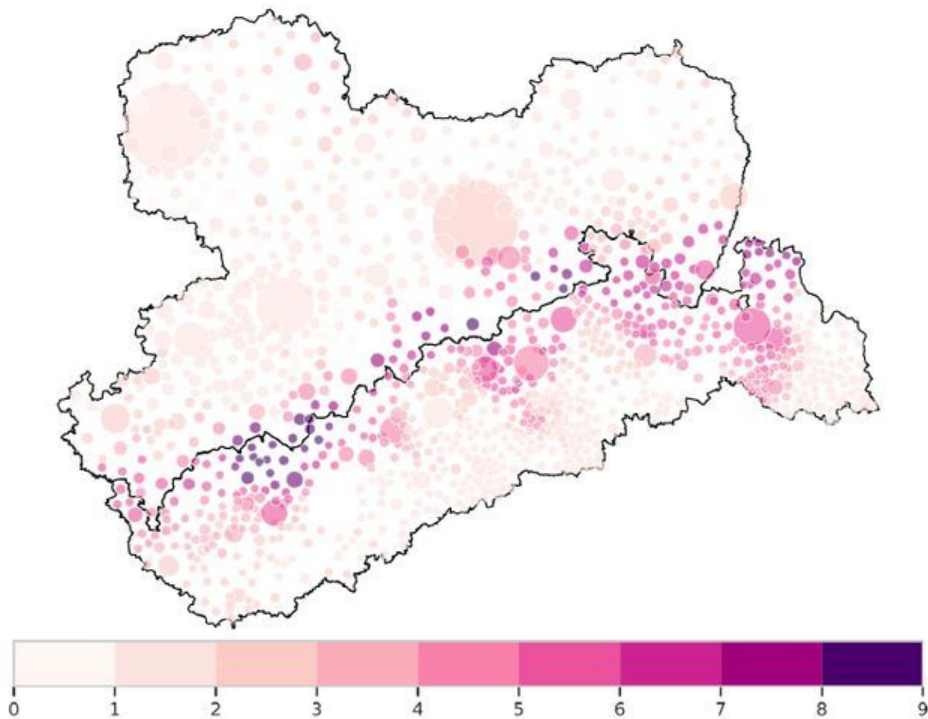
Priestorová a časová autokorelácia

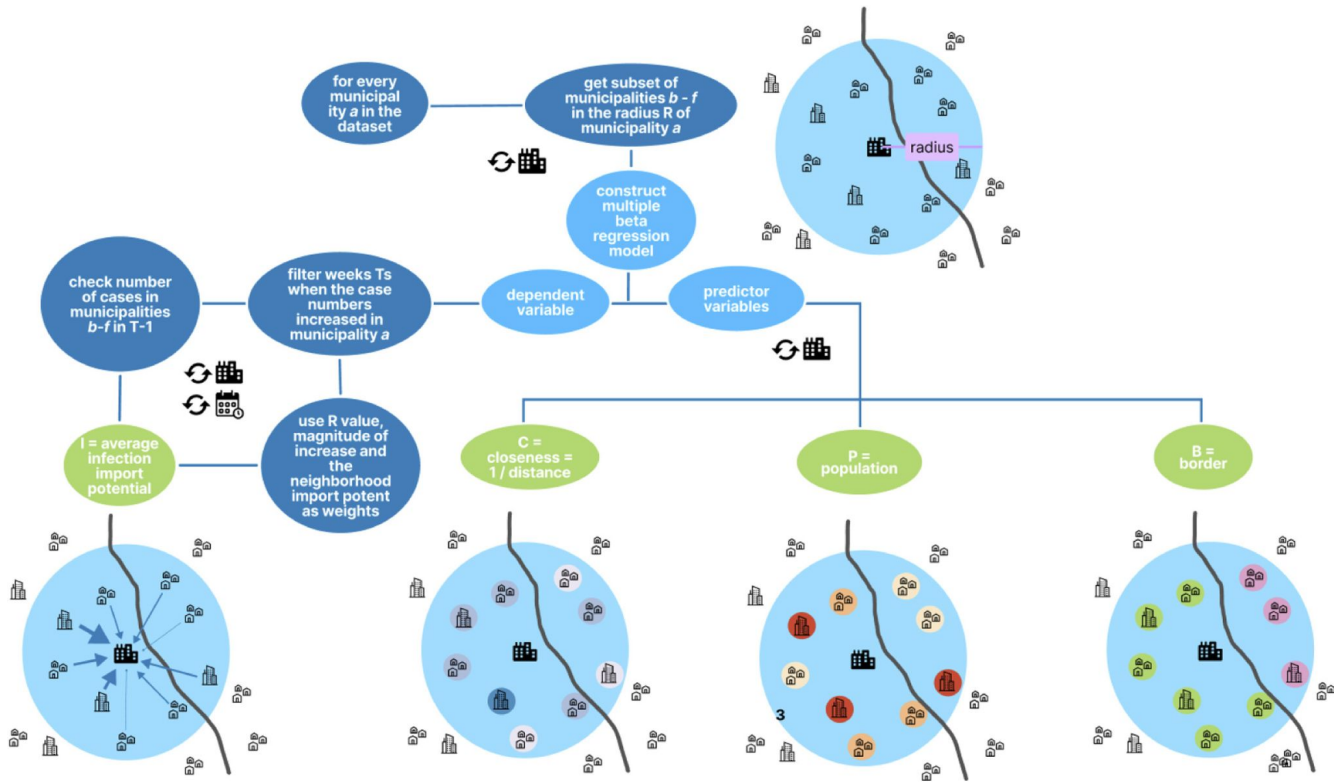


**Weighted average week number when
the case numbers were increasing**



**Variance of the neighboring mean increase week
(weighted by population)**

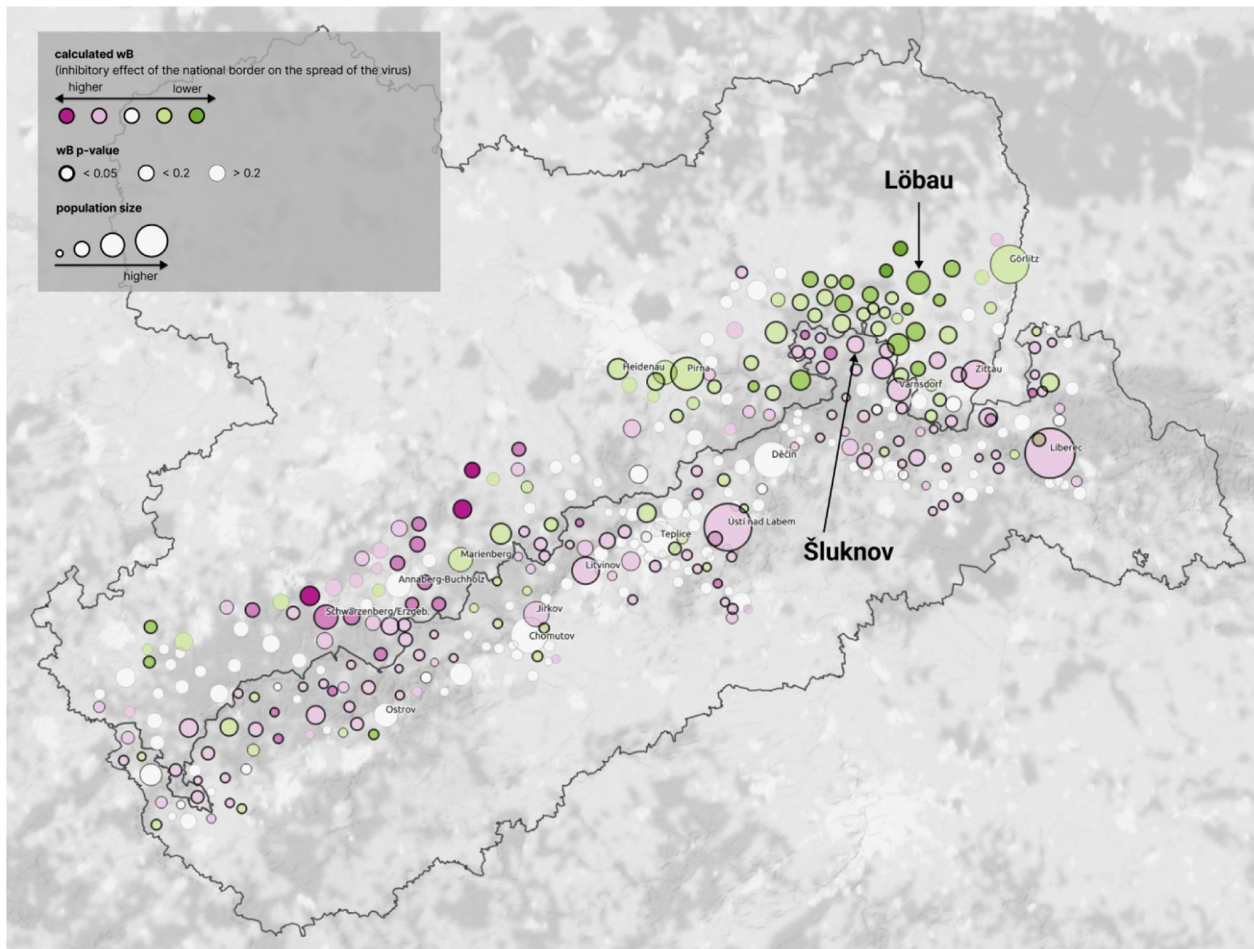




$$I_{ab} = A + w_{Ca} * C_{ab} + w_{Pa} * P_{ab} + w_{Ba} * B_{ab}$$

$$\dots$$

$$I_{af} = A + w_{Ca} * C_{af} + w_{Pa} * P_{af} + w_{Ba} * B_{af}$$

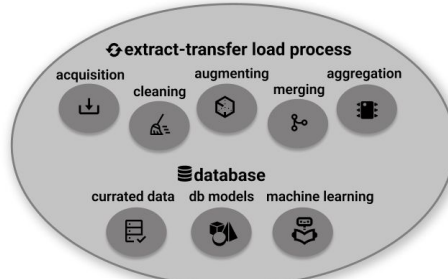


data providers sources



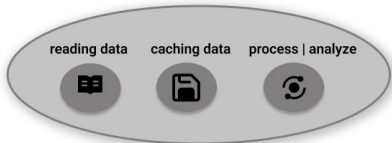
watch changes
↑ obtain datasets

Operation Data Store



↓ database access

REST API endpoints



receive responses
↑ send requests

web application

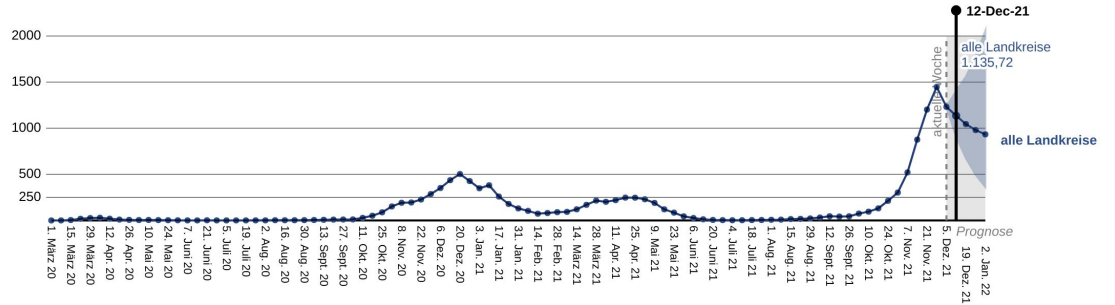


Anleitung

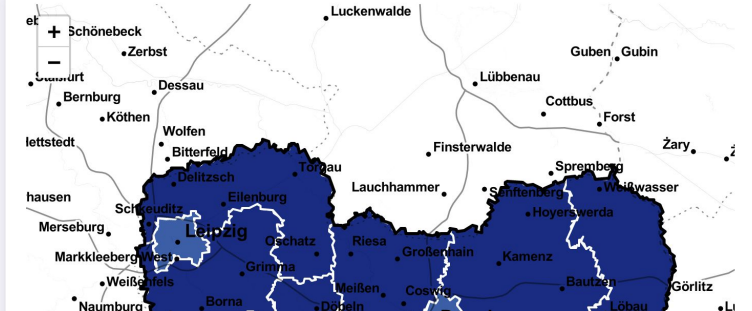
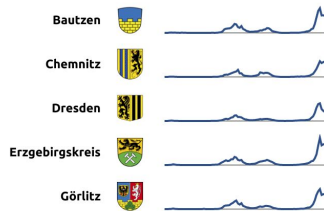
5. Dezember 2021 - 12. Dezember 2021

COVID-19-Fälle in Sachsen

Inzidenz der letzten 7 Tage pro 100.000 Einwohner



Sächsische Landkreise und kreisfreie Städte



Parameters

Retirement home characteristics



Number of residents



Number of employees



Average number of contacts a resident has per day



Test implementation



Testing station / workplace set up time [minutes]



Resident testing time [minutes]



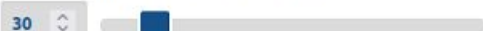
Test strategy constraints



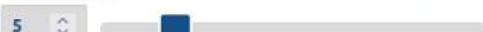
Maximum testing interval [days]



Maximum size of testing group



Maximum percentage of staff time dedicated to testing



Recommended testing strategy

Groups

Individuals will be divided into 4 groups, with each group tested every 5 days

group 1 consists of 24 residents

group 2 consists of 26 residents

group 3 consists of 30 residents

group 4 consists of 30 residents

Summary

29 Outbreak detection time



4.7 % of daily working time dedicated to testing



Calendar

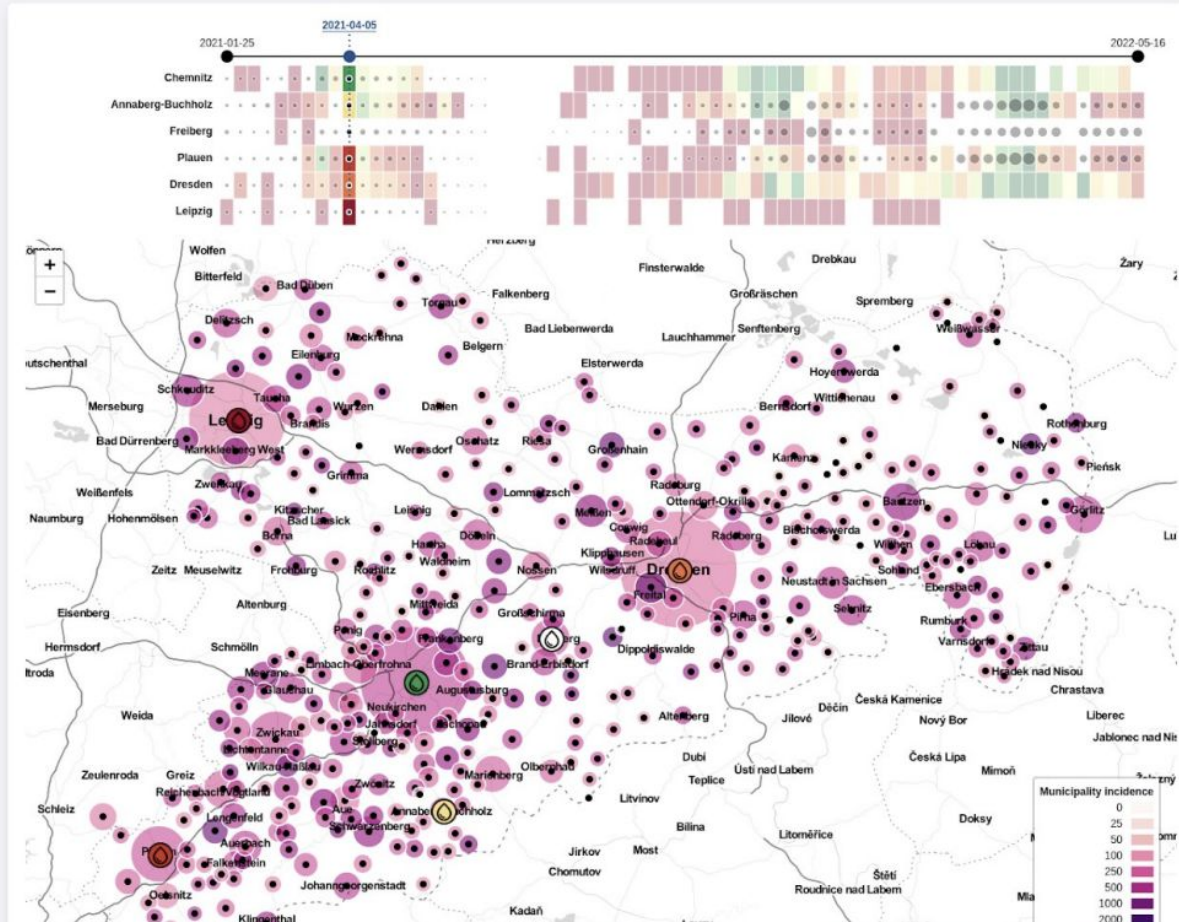
Starting date November 2, 2022

Number of weeks 4

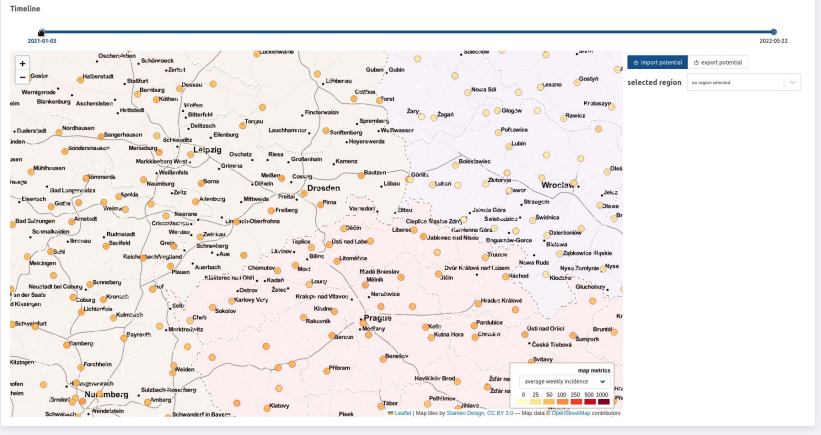
Mon	Tue	Wed	Thu	Fri	Sat	Sun
Oct 31	Nov 1	Nov 2 group 1	Nov 3 group 2	Nov 4 group 3	Nov 5	Nov 6 group 4
Nov 7 group 1	Nov 8 group 2	Nov 9 group 3	Nov 10	Nov 11 group 4	Nov 12 group 1	Nov 13 group 2
Nov 14 group 3	Nov 15	Nov 16 group 4	Nov 17 group 1	Nov 18 group 2	Nov 19 group 3	Nov 20
Nov 21 group 4	Nov 22 group 1	Nov 23 group 2	Nov 24 group 3	Nov 25	Nov 26 group 4	Nov 27 group 1
Nov 28	Nov 29	Nov 30	Dec 1	Dec 2	Dec 3	Dec 4

P

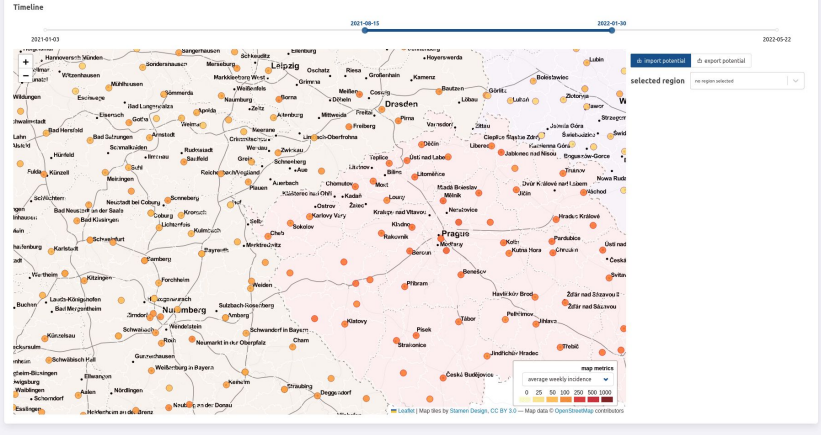
Wastewater application



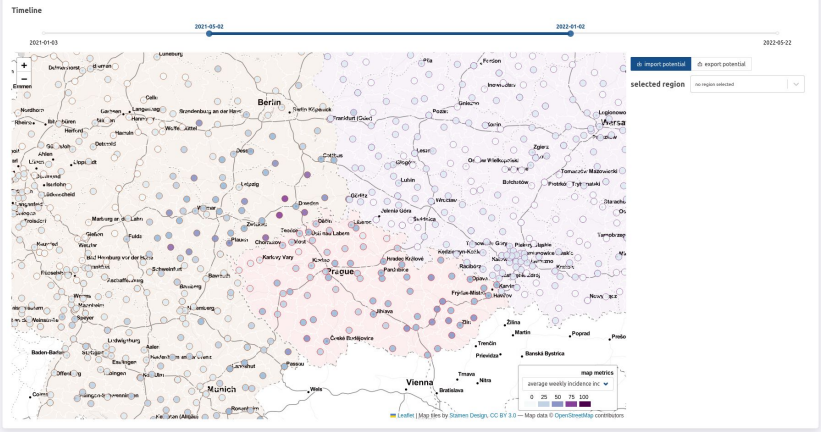
COVID-19 Explorer



COVID-19 Explorer



COVID-19 Explorer



COVID-19 Explorer

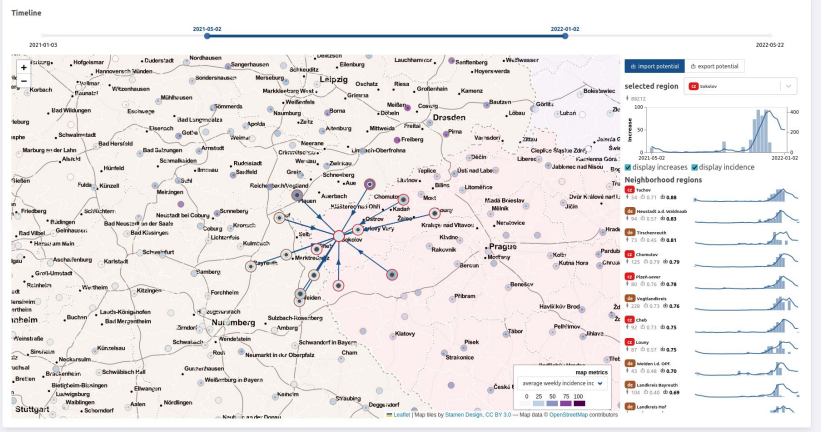


Fig. 4: Pattern of non-native fish species in the 1868 watersheds in the US.

From: *Species invasiveness and community invisibility of North American freshwater fish fauna revealed via trait-based analysis*

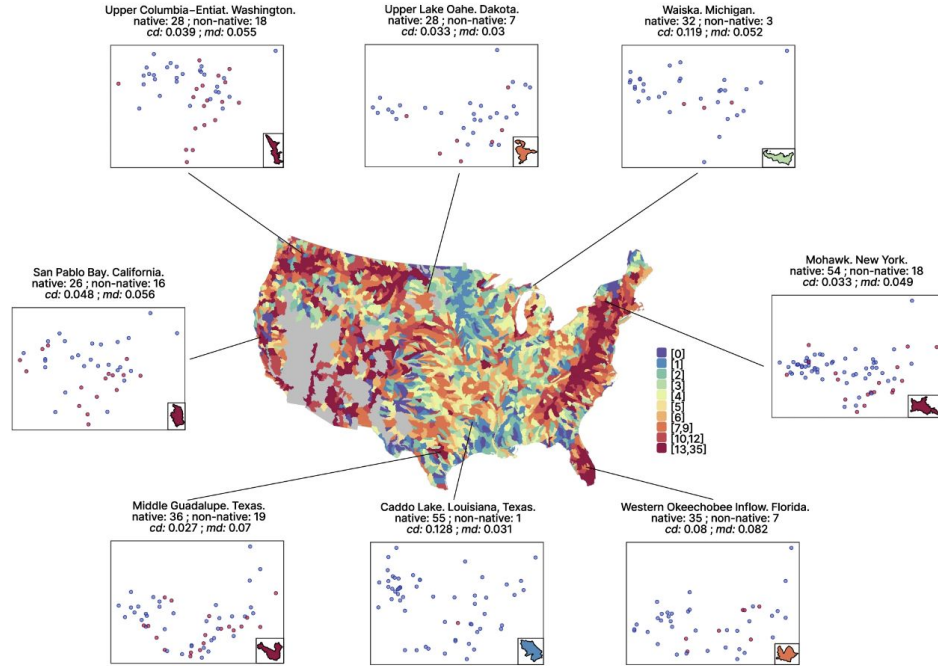
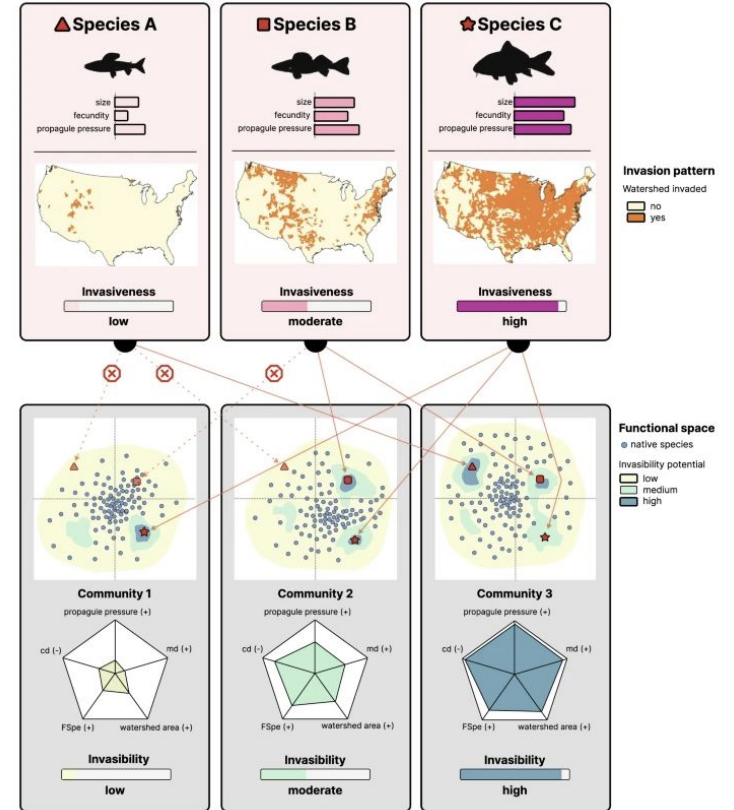


Fig. 5: Theoretical representation of the links between the non-native fish species invasiveness and recipient community invisibility.



Život po akadémií

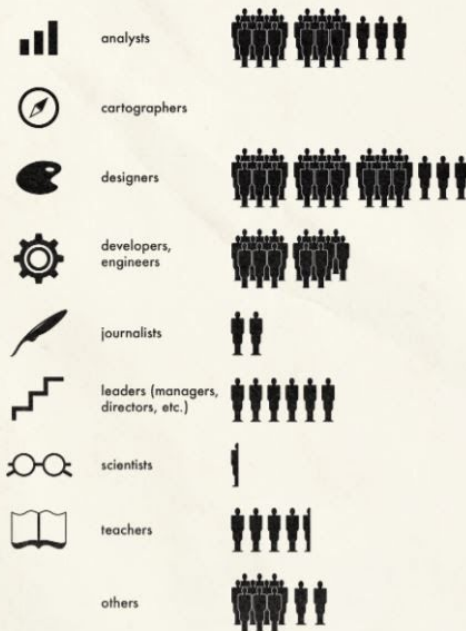
Prečo



Problém

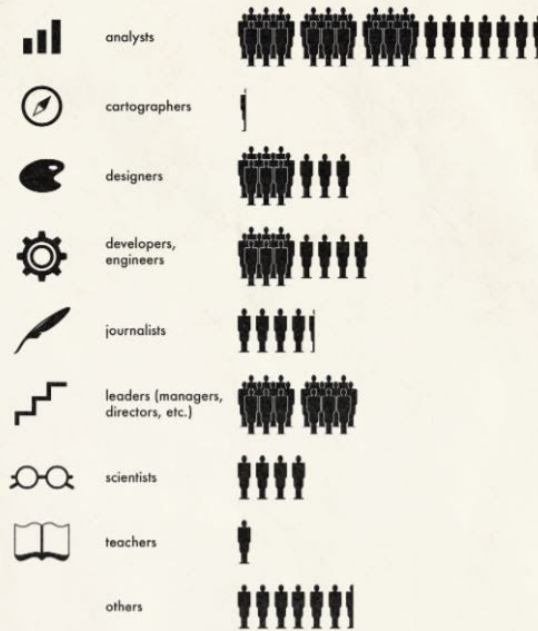
Roles of Freelancers

Which one of these best describes your role as a freelancer?
152 responses



Roles of Employees

Which one of these best describes your role at your organization?
582 responses



Each complete figure represents 1% of responses
Each group represents 10% of responses

Výhody geoinformatika

- Priestor
- Information design
- Práca so zdrojmi
- Interdisciplinárne presahy

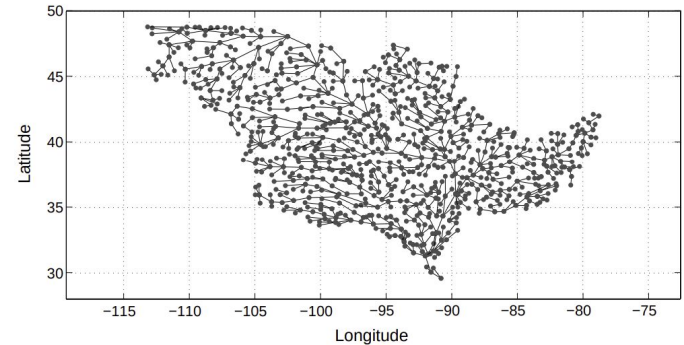


Figure S10: The graph of the network extracted from Mississippi-Missouri River Basin (MMRS); each dot represents a DTA.

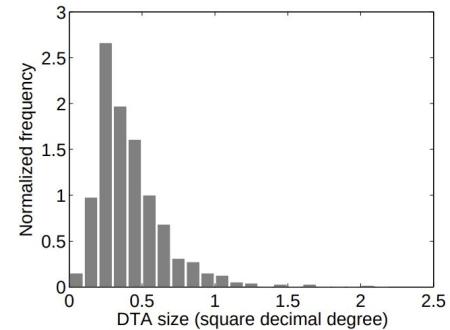
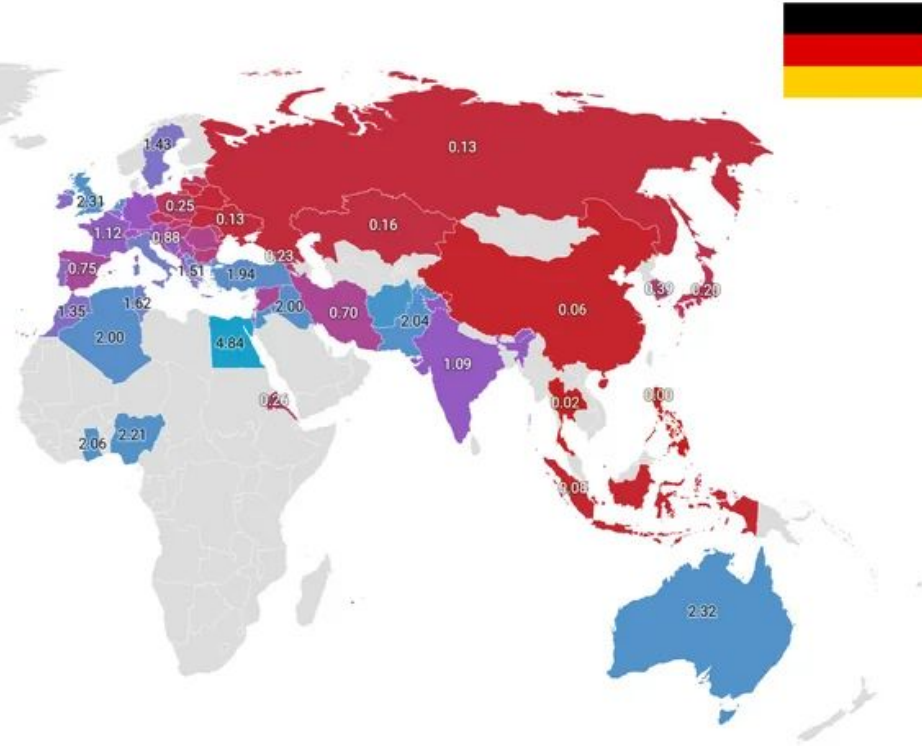


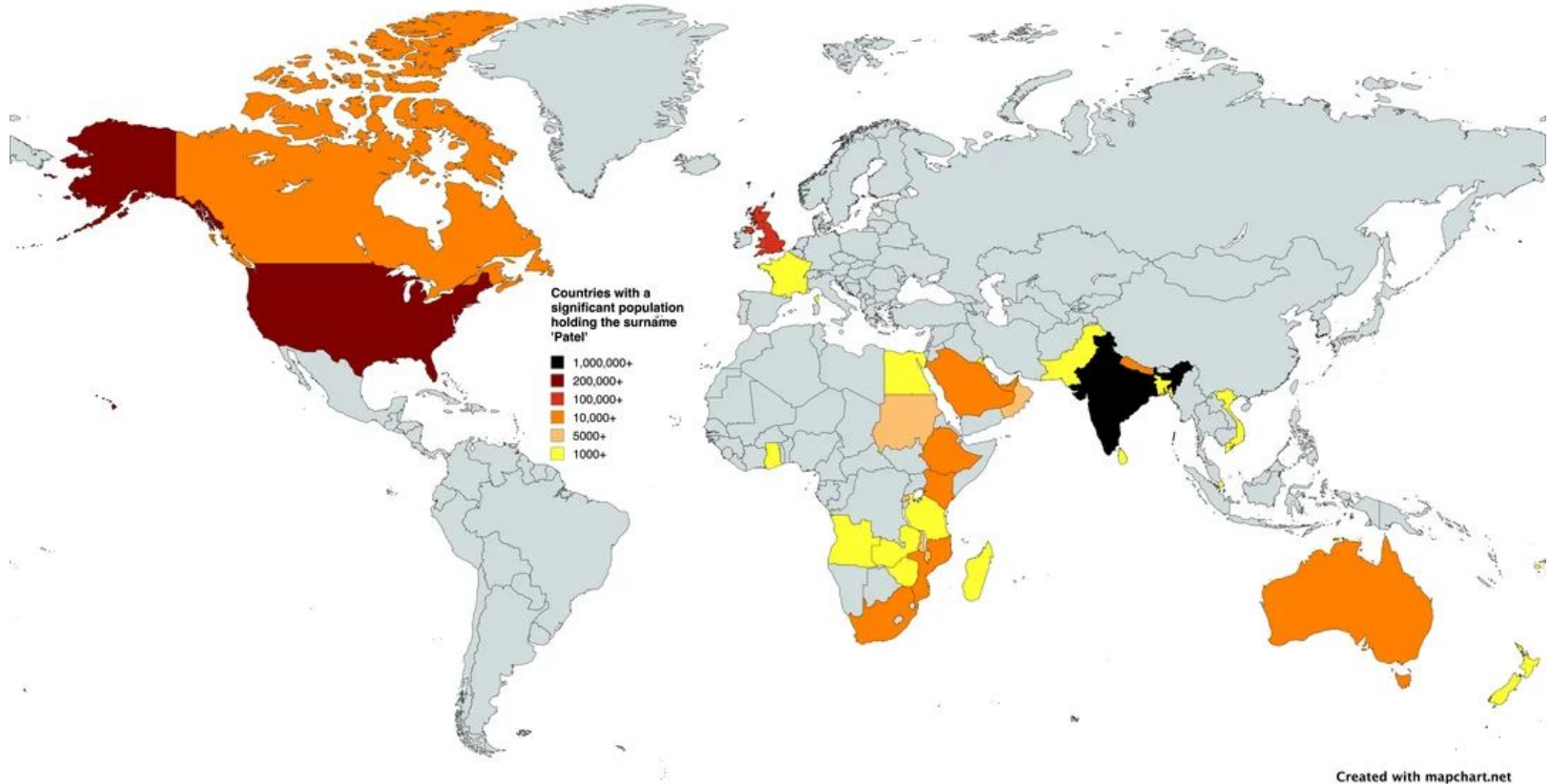
Figure S11: The normalized frequency distribution of the size of direct tributary area (DTA). The average DTA watershed area is 0.414 square decimal degrees, which is approximately 5,000 sq.km.

Information design

Sex Ratio of Marriage of Germans with Foreigners by Nationality



Information design



Práca so zdrojmi



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IMAGE ID: 1985225030
www.shutterstock.com



shutterstock

IMAGE ID: 2471955627
www.shutterstock.com

Možnosti uplatnenia geoinformatiky

- Data engineer
- Data analyst / scientist
- Software engineer
- UX | UI Designer / generalist
- Marketing
- ...



interdisciplinarita

