

DOMAIN NAME REGISTRATION IN BRAZIL

Impact of the digital divide on ccTLD .br



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Internet connectivity & domain names in Brazil

82% of Brazilian households
have Internet connection

148 M Internet users
81% of population
(10 years old or older)

Of which, **64%** access
exclusively through
mobile phones

Source: ICT Households 2021

5.043.973 domain names

93%
.com.br

1.510.369 DNSSEC

Source: Registro.br Feb/2023

58% of Brazilian enterprises have websites

Source: ICT Enterprises 2021

Of which, **88%** are **.br**
(Brazil's ccTLD)

62% of Brazilian ISPs offer Internet
subscription plans **above 100 Mbps**

12,826 enterprises providing Internet access (estimate)

Source: ICT Providers 2020

Ranking of ccTLD domain names

Position	Country	Number of domains
1	Germany (.de)	17,410,345
2	United Kingdom (.uk)	9,760,758
3	China (.cn)	7,488,332
4	Netherlands (.nl)	6,286,992
5	Brazil (.br)	5,015,348
6	Russia (.ru)	4,953,926
7	Australia (.au)	4,160,544
8	France (.fr)	3,929,005
9	European Union (.eu)	3,649,851
10	Italy (.it)	3,471,536
11	Colombia (.co)	3,431,265
12	Canada (.ca)	3,327,086
13	India (.in)	2,777,318
14	Switzerland (.ch)	2,516,543
15	Poland (.pl)	2,511,308
16	Spain (.es)	2,000,397
17	United States (.us)	1,891,080
18	Belgium (.be)	1,750,001
19	Japan (.jp)	1,715,549
20	Portugal (.pt)	1,618,692

Source: *Internet Sectoral Overview*, Number 4, December 2022

(*) OECD & G20 Countries

ccTLD Domain names & digital readiness

Impact of the digital divide on ccTLDs

- Is there a relationship between the number of ccTLD domain names and digital inclusion?
- How does the number of ccTLD domains relate to the advancement of the digital economy?
- Can the number of domains be a proxy indicator for Internet access and digital inclusion?

Factor analysis to understand the relation between domain names & selected Internet indicators from 149 countries

Infrastructure

Number of autonomous systems

Number of IPv4 addresses

Number of IPv6 addresses (in /48 blocks)

Connectivity & digital inclusion

Fixed broadband subscription/100 inhabitants

Mobile broadband subscription/100 inhabitants

Average fixed broadband speed

Domain names

Number of domains

Source

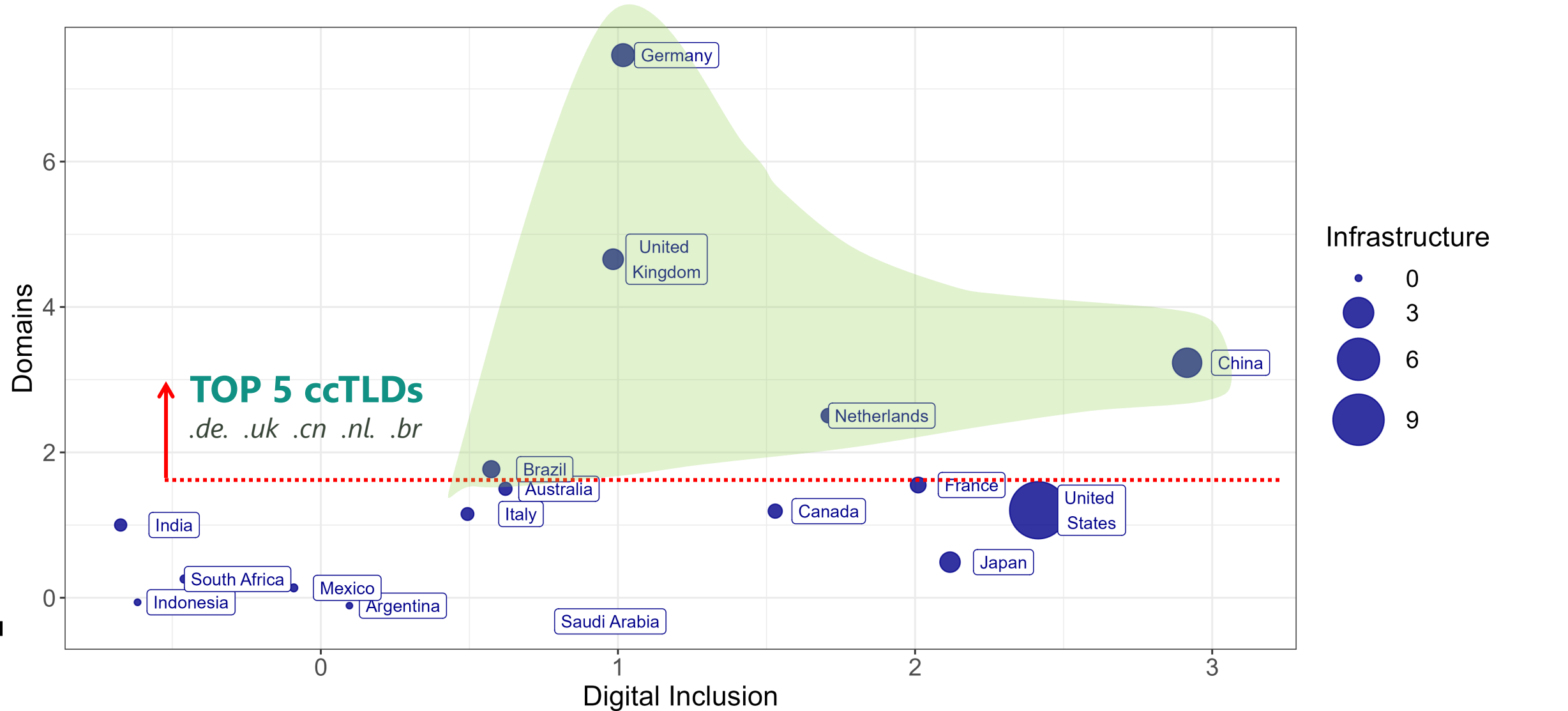
Regional
Internet
registries
(RIR)

ITU

SpeedTest

DomainsTools

Factor analysis results



Conclusions

Infrastructure & digital inclusion

- Poor ICT infrastructure have lower scores in domains names and digital inclusion.
- Higher infrastructure and digital inclusion do not imply greater number of ccTLDs.
- Countries with outstanding statistics in number of domains have different levels of infrastructure and digital inclusion.

Demographics & economy

- Population & economic development.
- Maturity of digital economy.

The .br case – 5th largest ccTLD among G20 & OECD countries

- Governance model: policies, multistakeholder structure, transparency, democratic elections, & effective public participation.
- High level of trust and credibility of .br : operations & quality of service.
- Communication with society: ISP as a key stakeholder
- Complementary activities: IX.br, Simet.br, ICT statistics, national CSIRT ➡ data community.

THANK YOU!

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