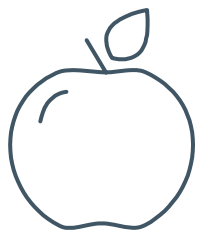

Ursachen für Chronisch entzündliche Darmerkrankungen (CED) in Europa

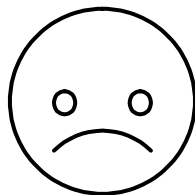
Semantic Web Projektpräsentation – 06.07.2016

Philipp Anders

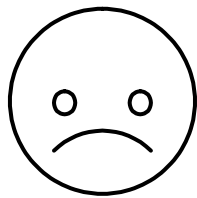
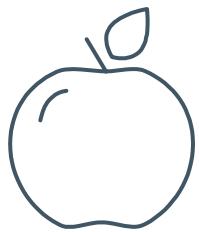
CED



vs.

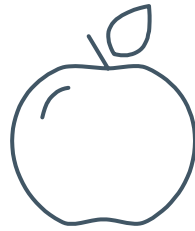


CED

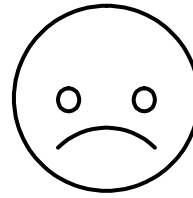


Inzidenz **Morbus Crohn** (CD) + Inzidenz **Colitis Ulcerosa** (UC)

CED



**Fast Food
Restaurants** pro
100 000
Einwohner



Inzidenz **Suizid**

CED

Inzidenz **Morbus Crohn** (CD) +
Inzidenz **Colitis Ulcerosa** (UC)



Fast Food
Restaurants pro
100 000
Einwohner



Inzidenz **Suizid**

CED

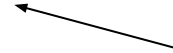
Inzidenz **Morbus Crohn** (CD) +
Inzidenz **Colitis Ulcerosa** (UC)



**Fast Food
Restaurants** pro
100 000
Einwohner



Länder Europas



Inzidenz **Suizid**

Datenquellen



1. Europäische Länder

[9 See also](#)
[10 References](#)
[11 External links](#)

List [\[edit \]](#)

Country name ↕	Arms	Flag	Capital ↕	Accession ↕	Population ↕	Area (km²) ↕	GDP (Millions of US\$) ↕	GDP per cap. (PPP) ^[5] ↕	Currency ↕	Gini ↕	HDI ↕	Co v
 Austria			Vienna	1995	8,581,500 ^[6]	83,855	437,582	47,031 ^[7]	euro	29.1 ^[8]	0.895 ^[9]	
 Belgium			Brussels	Founder	11,258,434 ^[6]	30,528	534,230	43,800 ^[7]	euro	33.0 ^[8]	0.897 ^[9]	
 Bulgaria			Sofia	2007	7,202,198 ^[6]	110,994	55,824	18,326 ^[7]	lev	29.2 ^[8]	0.782 ^[9]	
 Croatia			Zagreb	2013	4,225,316 ^[6]	56,594	57,073	21,169 ^[7]	kuna	29 ^[8]	0.805 ^[9]	
 Cyprus			Nicosia	2004	847,008 ^[6]	9,251	23,263	30,769 ^[7]	euro	31.2 ^[8]	0.848 ^[9]	
 Czech Republic			Prague	2004	10,419,743 ^[6]	78,866	205,270	30,895 ^[7]	koruna	25.8 ^[8]	0.873 ^[9]	
 Denmark			Copenhagen	1973	5,653,357 ^[6]	43,075	342,362	45,451 ^[7]	krone	24.7 ^[8]	0.901 ^[9]	
 Estonia			Tallinn	2004	1,313,271 ^[6]	45,227	26,506	27,994 ^[7]	euro	36.0 ^[8]	0.846 ^[9]	
 Finland			Helsinki	1995	5,471,753 ^[6]	338,424	272,649	40,838 ^[7]	euro	26.9 ^[8]	0.892 ^[9]	
 France			Paris	Founder	66,352,469 ^[6]	643,801	2,833,687	41,018 ^[7]	euro	32.7 ^[8]	0.893 ^[9]	
 Germany			Berlin	Founder ^[9]	81,089,331 ^[6]	357,021	3,874,437	46,895 ^[7]	euro	28.3 ^[8]	0.920 ^[9]	
 Greece			Athens	1981	10,846,979 ^[6]	131,990	237,970	26,773 ^[7]	euro	34.3 ^[8]	0.860 ^[9]	
 Hungary			Budapest	2004	9,855,571 ^[6]	93,030	136,989	25,895 ^[7]	forint	30.0 ^[8]	0.831 ^[9]	



1. Europäische Länder



WIKIPEDIA
Die freie Enzyklopädie

Link

https://en.wikipedia.org/wiki/Member_state_of_the_European_Union

Datenformat

HTML

Schnittstelle

HTTP

Lizenz

Eigene

Opendata

(★★)

2. CED Inzidenz

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Article outline ☐ Show full outline

Abstract
Keywords
1. Introduction
2. Incidence and prevalence in Europe
3. Disease phenotype, overall disease c...
4. Hospitalization rates
5. Surgery in IBD in Europe: rates, trend...
6. Extra intestinal manifestations
7. Disability and economic burden of IB...
8. Cancer and mortality
9. Summary and conclusion
Conflict of interest
References

Figures and tables
Table 1
Table 2
Table 3
Table 4

100,000 person-years. The highest incidence rates are observed in Scandinavia and the United Kingdom, while the lowest rates are seen in southern and Eastern Europe — suggesting a north-west/south-east gradient in IBD incidence. The European Collaborative Study on Inflammatory Bowel Disease (EC-IBD) assessed the north-south gradient in a prospective population-based cohort using uniformed diagnostic criteria and case ascertainment methods. The total incidence rates in northern Europe were 6.3 for CD and 11.4 for UC per 100,000 person-years, while in southern Europe they were for 3.6 and 8.0 per 100,000 person-years, respectively.²⁶

Table 1.
Incidence rates of CD and UC in selected populations.

Country	Region	Study period	CD incidence (10 ⁵)	UC incidence (10 ⁵)
<i>Eastern Europe</i>				
Czech Republic ²⁰	North Bohemia	1978	NA	1.3
Estonia ²¹	Tartu County	1993–1998	1.4	1.7
Hungary ²⁴	Western Hungary	2002–2006	8.9	11.9
Romania ²²	Nationwide	2002–2003	0.5	0.97
<i>Southern/Central Europe</i>				
Belgium ¹³²	Liege	1993–1996	4.5	3.6
Croatia ²⁵	Primorsko-goranska County	2000–2004	6.5	4.6
Croatia ^{133 and 134}	Zagreb	1980–1989	0.7	1.5

CED

2. CED Inzidenz

ScienceDirect

Link	http://www.sciencedirect.com/science/article/pii/S1873994613000305
Datenformat	HTML / .csv
Schnittstelle	CSV - Parser
Lizenz	CC BY-NC-ND 4.0
Opendata	(★★)



3. Suizid Inzidenz



**World Health
Organization**

Link

<http://apps.who.int/gho/athena/api/>

Datenformat

XML / JSON / .csv / .xls

Schnittstelle

HTTP, Web Service

Lizenz

eigene

Opendata

(★★★★)



4. Fast Food Restaurants

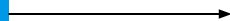


OpenStreetMap

Link	http://www.overpass-api.de/
Datenformat	XML
Schnittstelle	HTTP, Web Service
Lizenz	Open Database License
Opendata	(★★★★★)

Import & Verlinkung

Extraktion



Import



Verlinkung

Extraktion

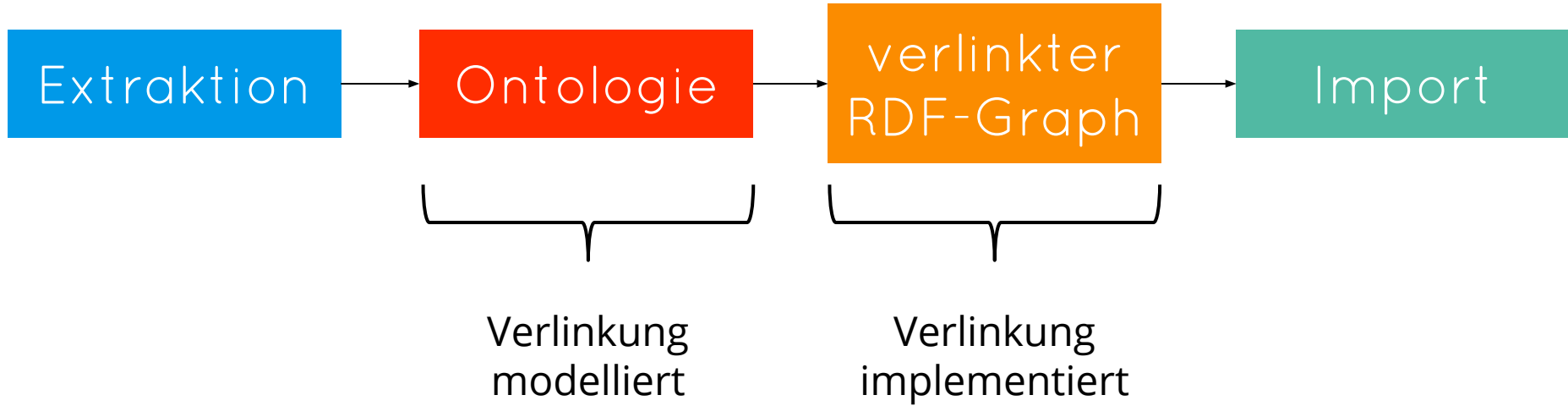


Import



Verlinkung





Extraktion



Ontologie



verlinkter RDF-
Graph



Import



Extraktion



Ontologie



verlinkter RDF-
Graph



Import

1.



Extraktion



Ontologie



verlinkter RDF-
Graph



Import



2.



Extraktion



Ontologie



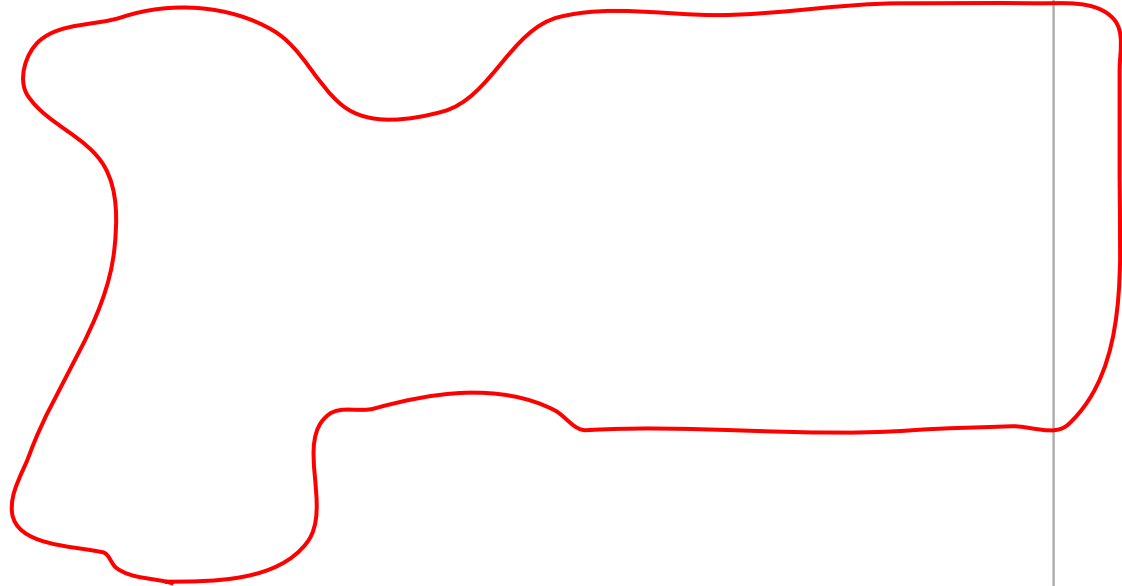
verlinkter RDF-
Graph



Import



3.



Extraktion



Ontologie



verlinkter RDF-
Graph



Import



4.

Extraktion

Ontologie

verlinkter RDF-
Graph

Import

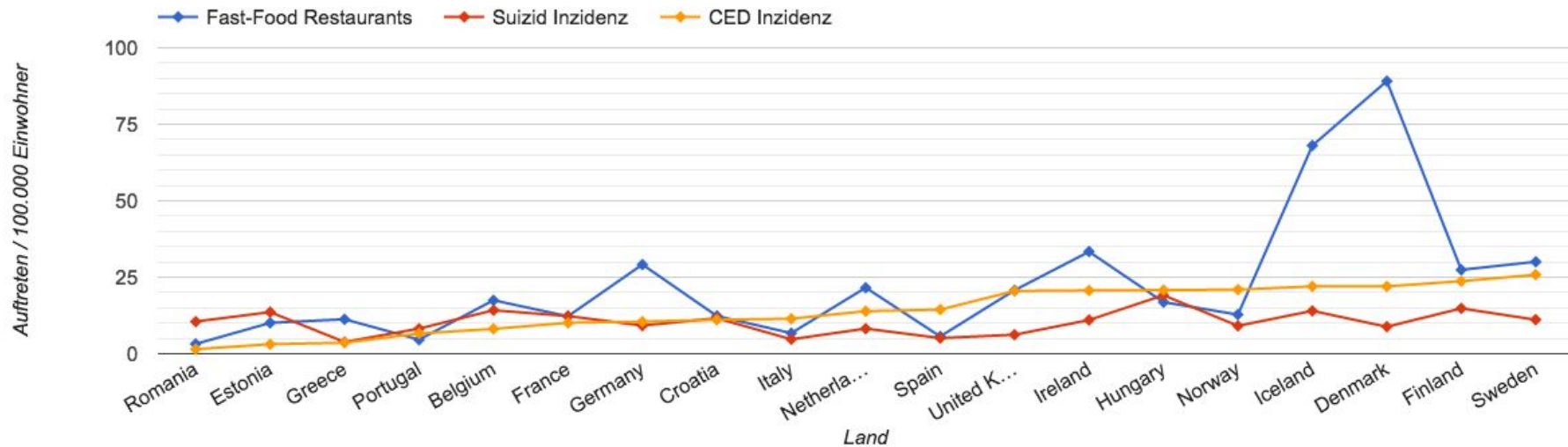
The screenshot displays the Apache Jena Fuseki web interface. At the top, the Apache Jena Fuseki logo is on the left, and navigation links for 'dataset', 'manage datasets', and 'help' are on the right. Below the navigation bar, a 'Dataset:' dropdown menu is set to '/ds'. A secondary navigation bar contains links for 'query', 'upload files', 'edit', and 'info'. The main content area is titled 'Available graphs' and includes a 'list current graphs' button. Below this title, it shows 'default graph (265956 triples)'. On the right side of the interface, there is a 'graph:' label above a table. The table has one visible row with the number '1'.

graph:
1

Ergebnisse

n		FastFoodDensity	SuicideRate	IbdRate
1	"Sweden"	"30.05463188411409187100000"^^xsd: decimal	"11.1"^^xsd:double	"25.8e0"^^xsd:double
2	"Finland"	"27.416187222699517230800000"^^xsd :decimal	"14.8"^^xsd:double	"23.7e0"^^xsd:double
3	"Iceland"	"68.020347522139158565500000"^^xsd :decimal	"14.0"^^xsd:double	"22.0e0"^^xsd:double
4	"Denmark"	"89.105047806349821960600000"^^xsd :decimal	"8.8"^^xsd:double	"22.0e0"^^xsd:double
5	"Norway"	"12.771885751995084119100000"^^xsd :decimal	"9.1"^^xsd:double	"20.95e0"^^xsd:double
6	"Hungary"	"16.853541139414517112200000"^^xsd :decimal	"19.1"^^xsd:double	"20.8e0"^^xsd:double
7	"Ireland"	"33.341794718914738749800000"^^xsd :decimal	"11.0"^^xsd:double	"20.700000000000003e0"^^xsd:double
8	"United Kingdom"	"20.742320170386218975300000"^^xsd :decimal	"6.2"^^xsd:double	"20.5e0"^^xsd:double
9	"Spain"	"5.635415039074017160300000"^^xsd: decimal	"5.1"^^xsd:double	"14.399999999999999e0"^^xsd:double
10	"Netherlands"	"21.594945907027072311600000"^^xsd :decimal	"8.2"^^xsd:double	"13.9e0"^^xsd:double
11	"Italy"	"6.718273558998740822400000"^^xsd: decimal	"4.7"^^xsd:double	"11.425e0"^^xsd:double

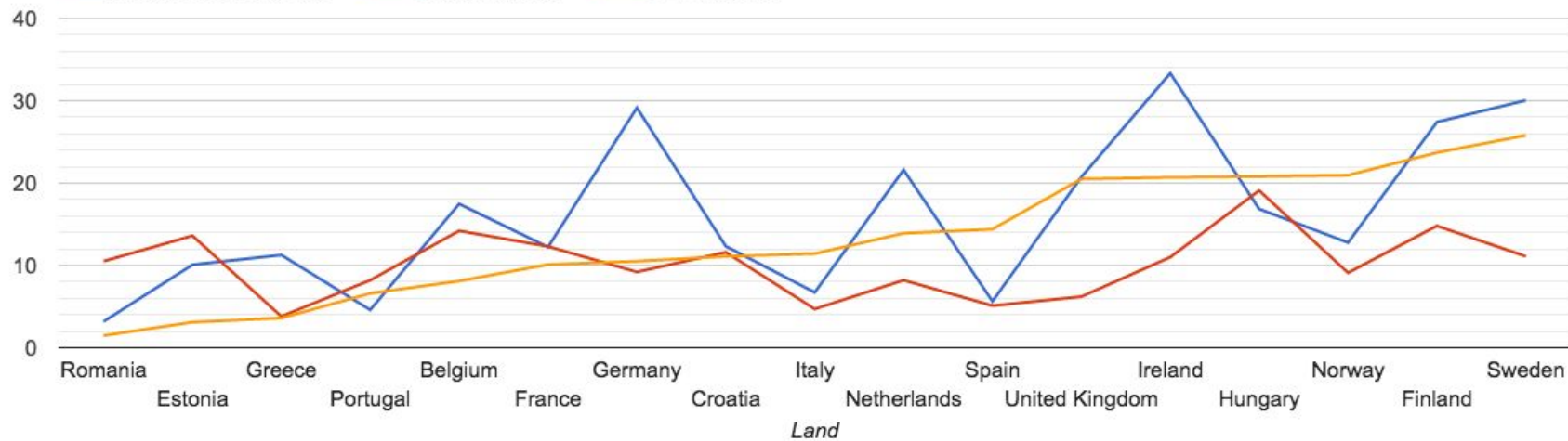
Ergebnisdarstellung der SPARQL-Anfrage (unkonsolidiert)

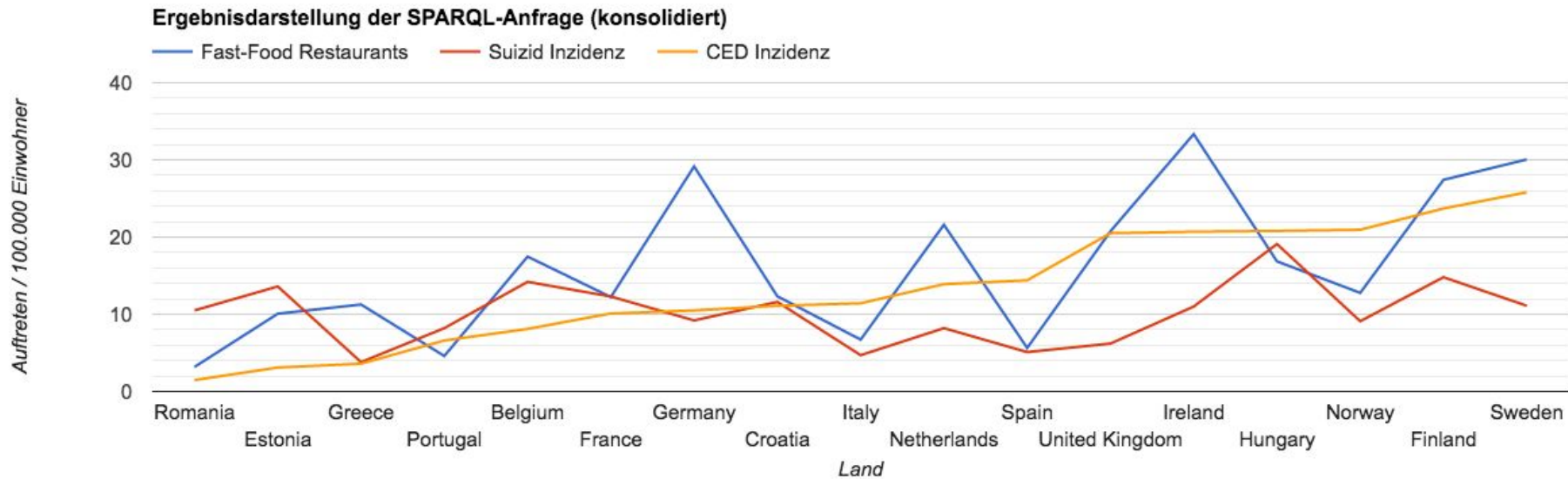


Ergebnisdarstellung der SPARQL-Anfrage (konsolidiert)

Fast-Food Restaurants Suizid Inzidenz CED Inzidenz

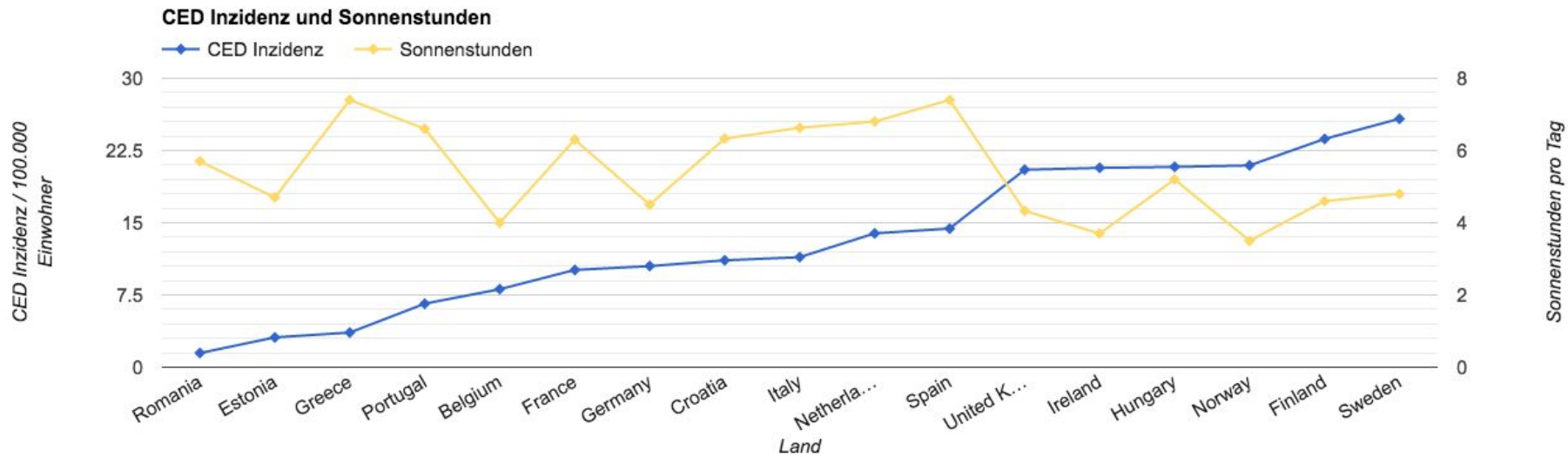
Auftreten / 100.000 Einwohner





Korrelation
Suizid - CED: 0.23

Korrelation
FF - CED: 0.65



Kein Ergebnis ist auch ein Ergebnis

In Bezug auf die **Datengrundlage** konnte keine Korrelation entdeckt werden.