

# AdverseMediaSearch

File created on: 3/26/2019 1:48:43 PM



**Certificate of Advance Studies in Big Data Analytics**

# **Adverse Media Search**

**Tracking Politically Exposed People in the Banking Industry**

Project

Submitted on the 22<sup>nd</sup> of March 2019 from:

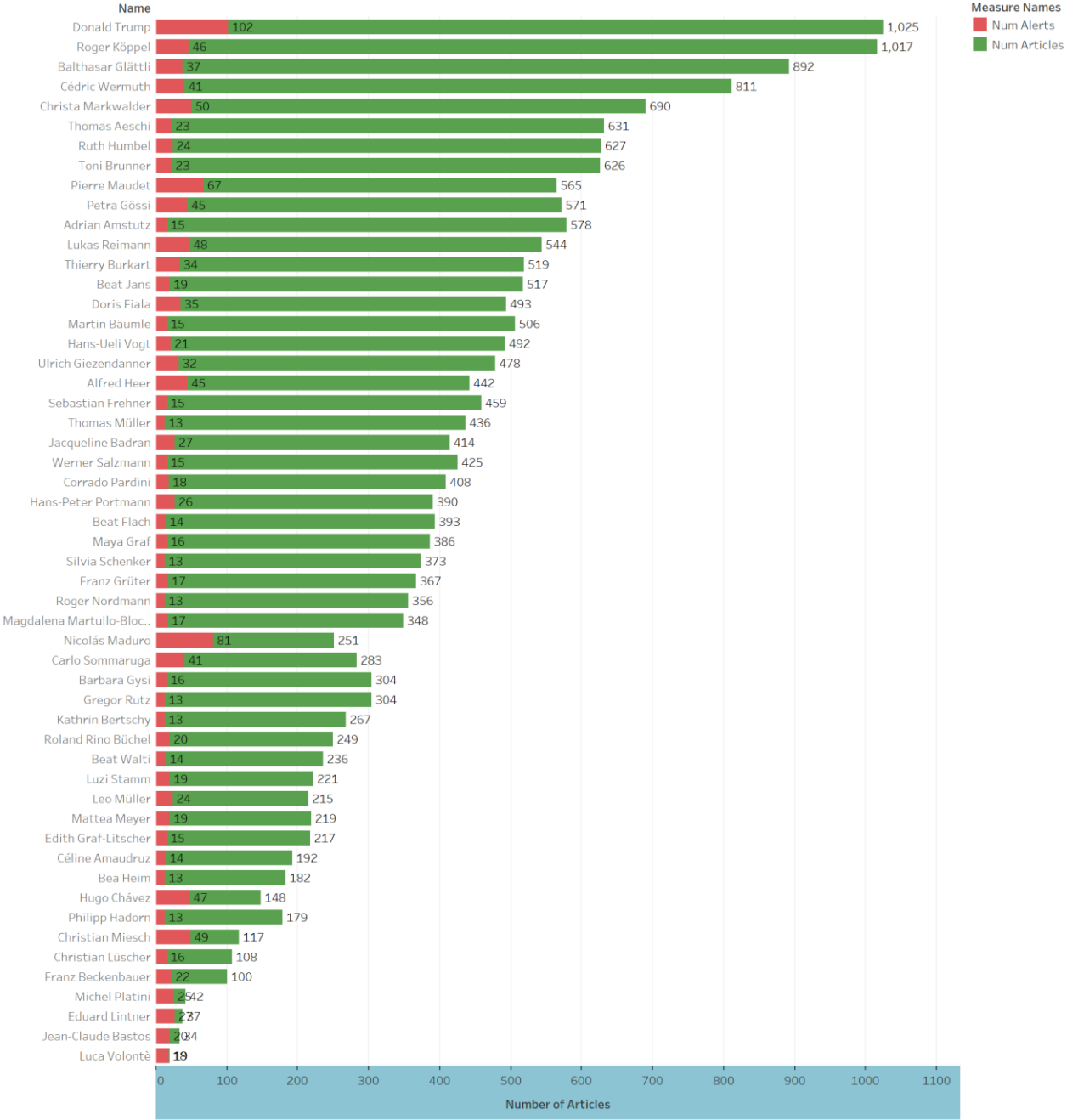
Block-Kaefer Barbara, Finnova AG

Alvarado Liliana, IT Evotion GmbH

Worthington William, Sequoia Intelligence

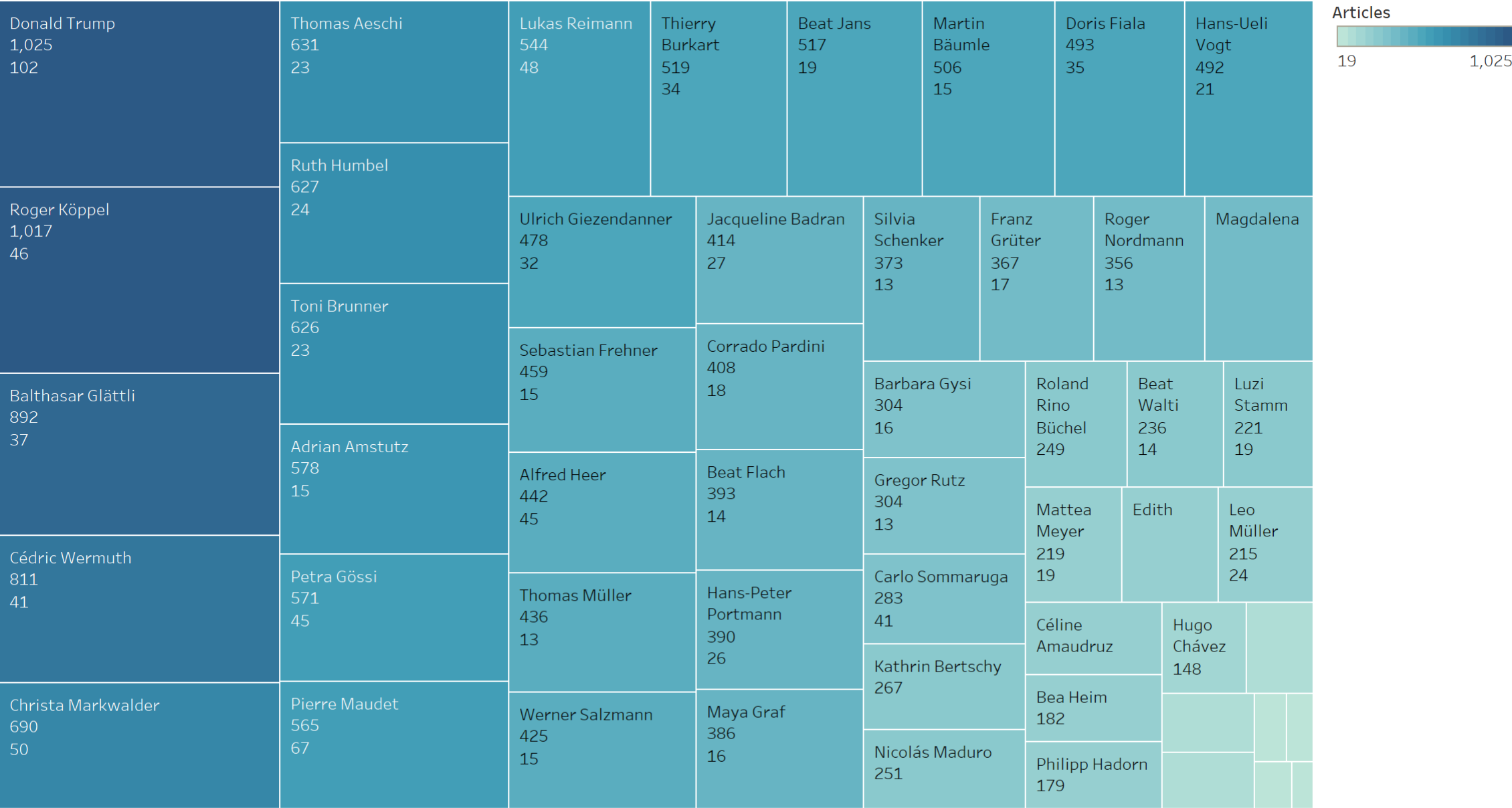
---

Articles Per PEP



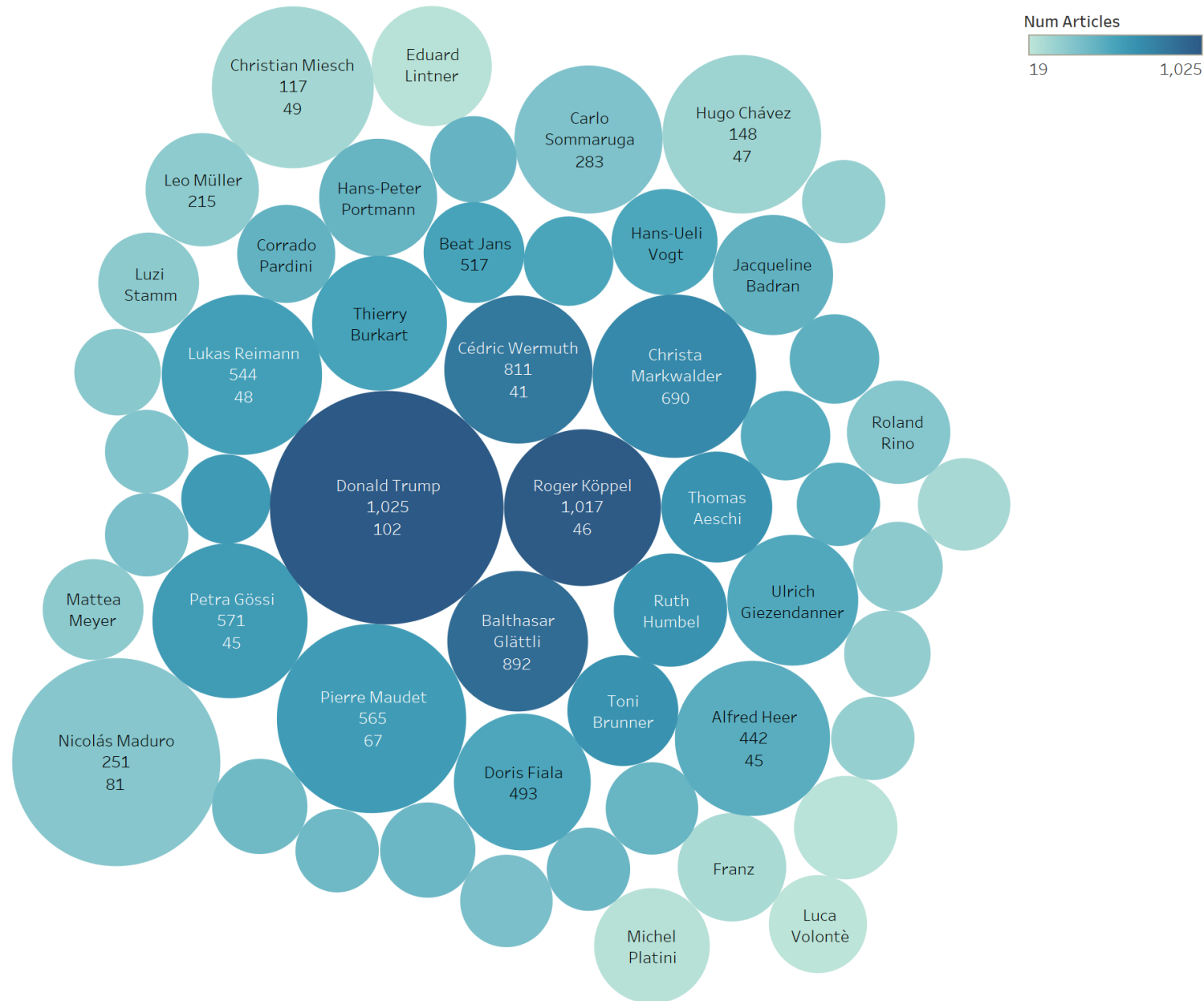
Num Alerts and Num Articles for each Name. Color shows details about Num Alerts and Num Articles. The view is filtered on Name, Num Alerts as an attribute and Num Articles as an attribute. The Name filter keeps 163 of 174 members. The Num Alerts as an attribute filter ranges from 13 to 102. The Num Articles as an attribute filter ranges from 1 to 1,025 and keeps Null values.

Articles Per PEP Block



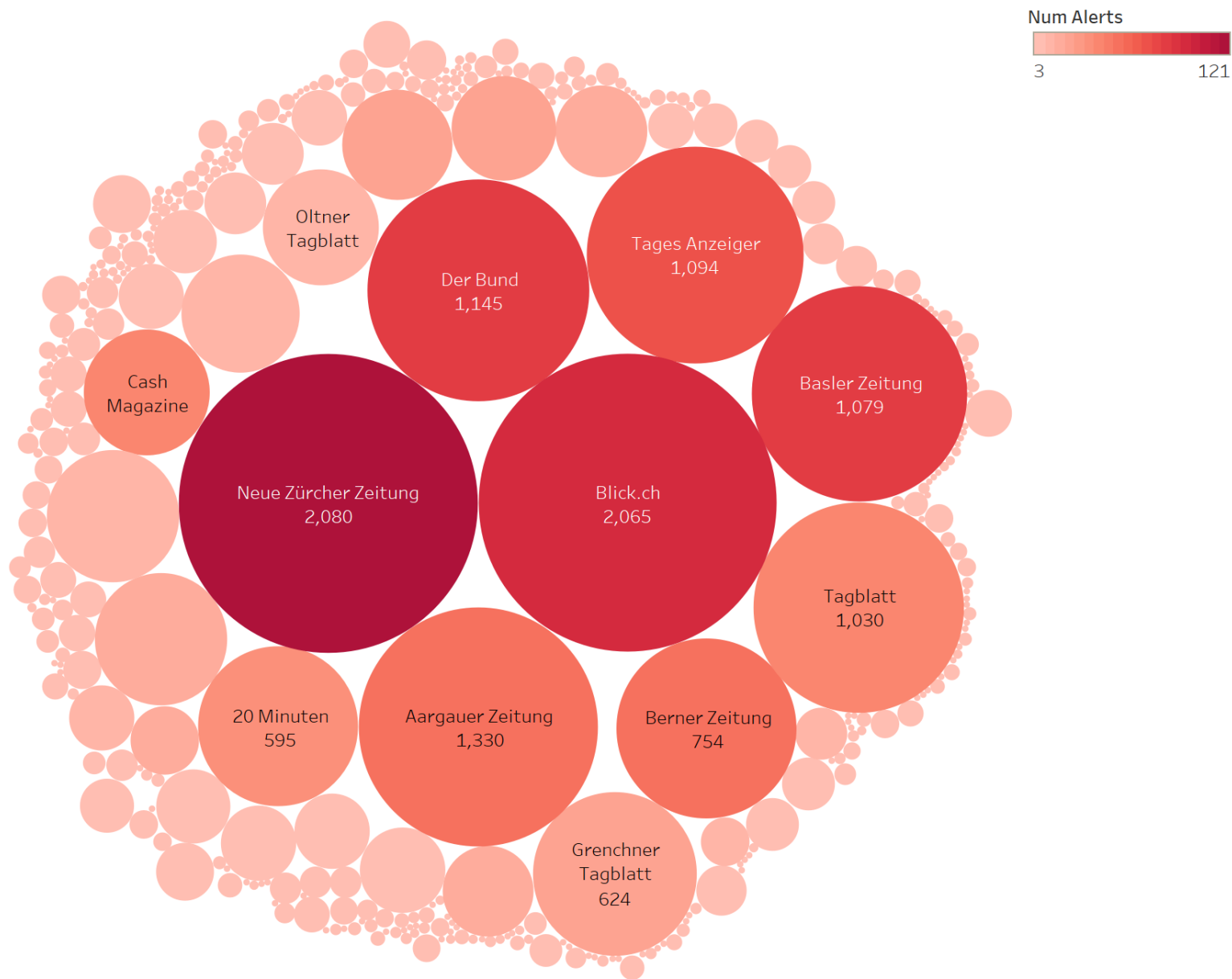
Name, sum of Num Articles and sum of Num Alerts. Color shows sum of Num Articles. Size shows sum of Num Articles. The marks are labeled by Name, sum of Num Articles and sum of Num Alerts. The data is filtered on Num Alerts as an attribute and Num Articles as an attribute. The Num Alerts as an attribute filter ranges from 13 to 102. The Num Articles as an attribute filter ranges from 1 to 1,025 and keeps Null values. The view is filtered on Name, which keeps 163 of 174 members.

# Articles Per PEP Bubbles



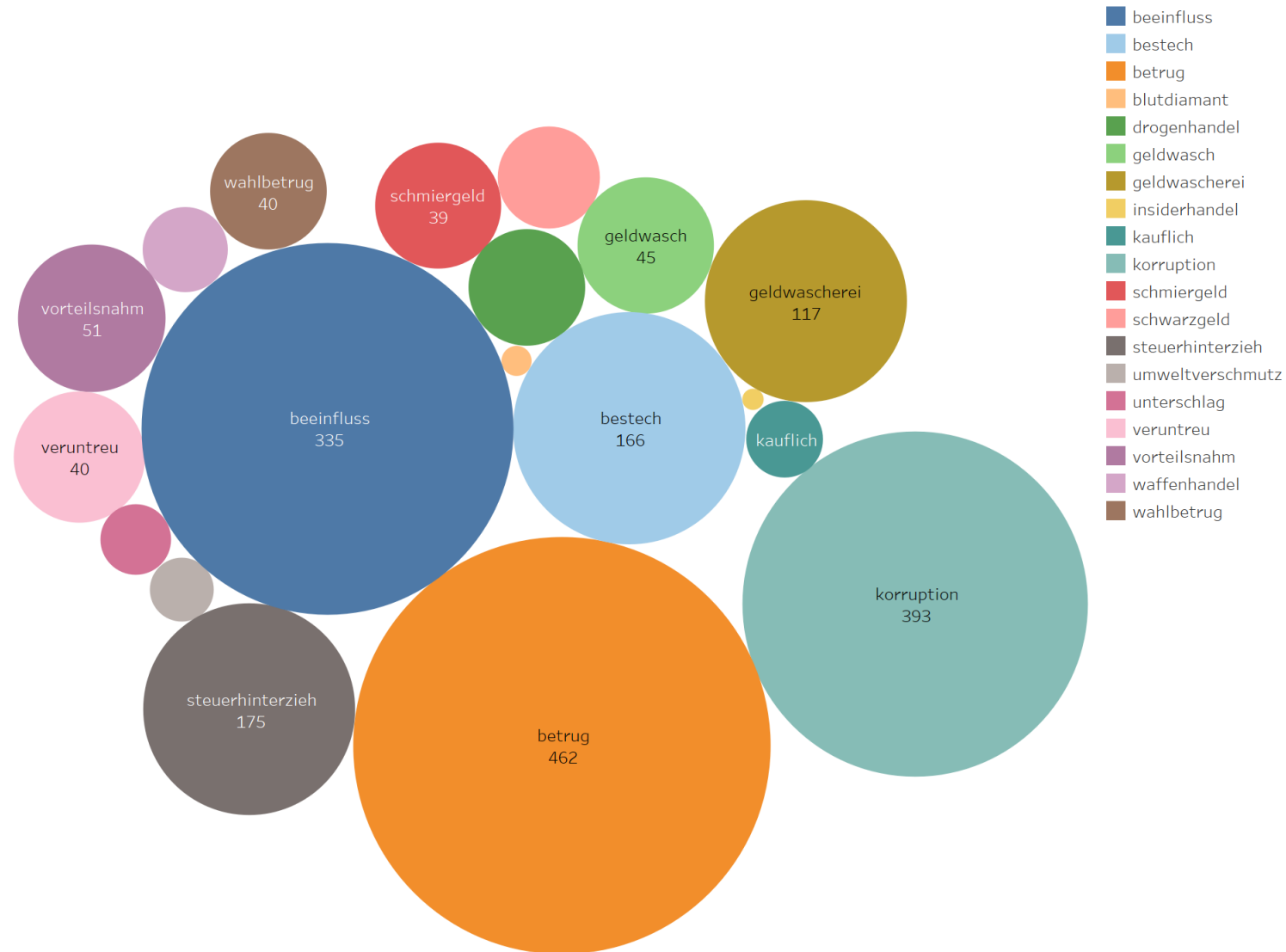
Name, sum of Num Articles and sum of Num Alerts. Color shows sum of Num Articles. Size shows sum of Num Alerts. The marks are labeled by Name, sum of Num Articles and sum of Num Alerts. The data is filtered on Num Alerts as an attribute and Num Articles as an attribute. The Num Alerts as an attribute filter ranges from 13 to 102. The Num Articles as an attribute filter ranges from 1 to 1,025 and keeps Null values. The view is filtered on Name, which keeps 163 of 174 members.

Articles Per Source Bubbles



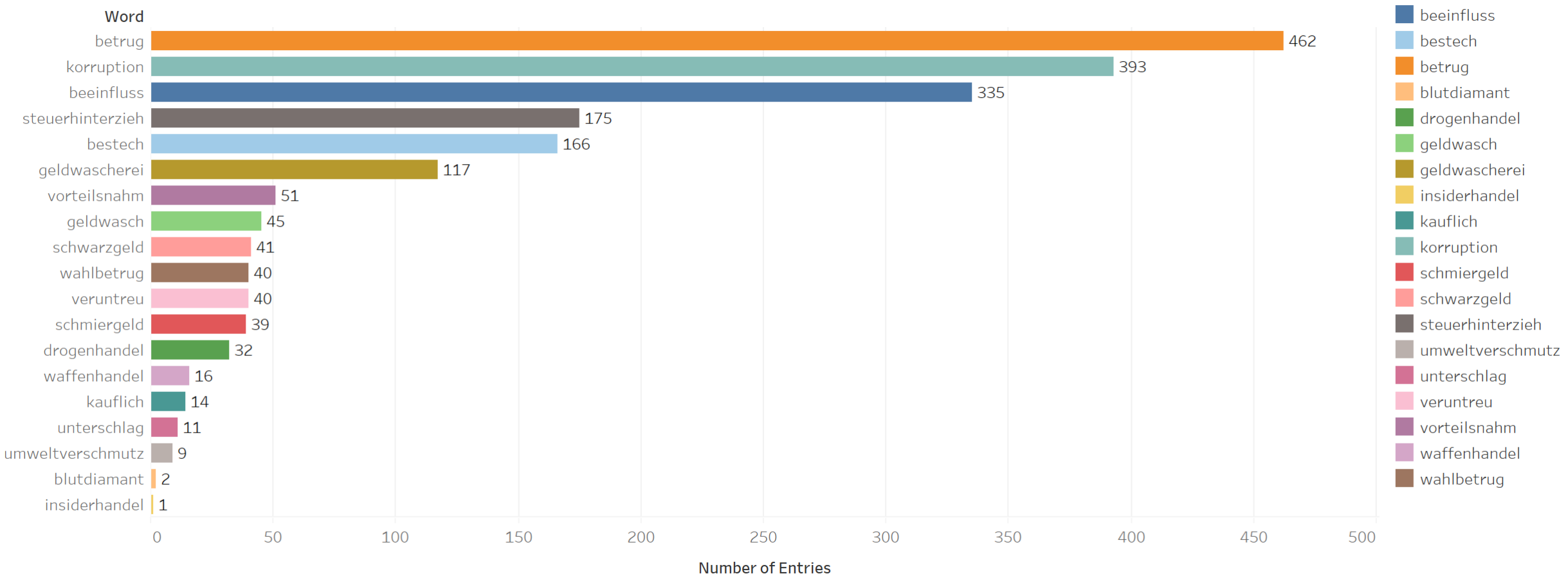
Source and Num Articles. Color shows Num Alerts. Size shows Num Articles. The marks are labeled by Source and Num Articles. The data is filtered on Num Articles and Num Alerts. The Num Articles filter ranges from 1 to 2080. The Num Alerts filter ranges from 0 to 121. The view is filtered on Source, which keeps 357 of 357 members.

## Alert Words Bubbles



Word and sum of Number of Entries. Color shows details about Word. Size shows Number of Documents as an attribute. The marks are labeled by Word and sum of Number of Entries. The view is filtered on Number of Entries as an attribute, Word and Number of Documents as an attribute. The Number of Entries as an attribute filter ranges from 1 to 462. The Word filter keeps 19 of 19 members. The Number of Documents as an attribute filter ranges from 1 to 384.







# Alert Words Bar Char



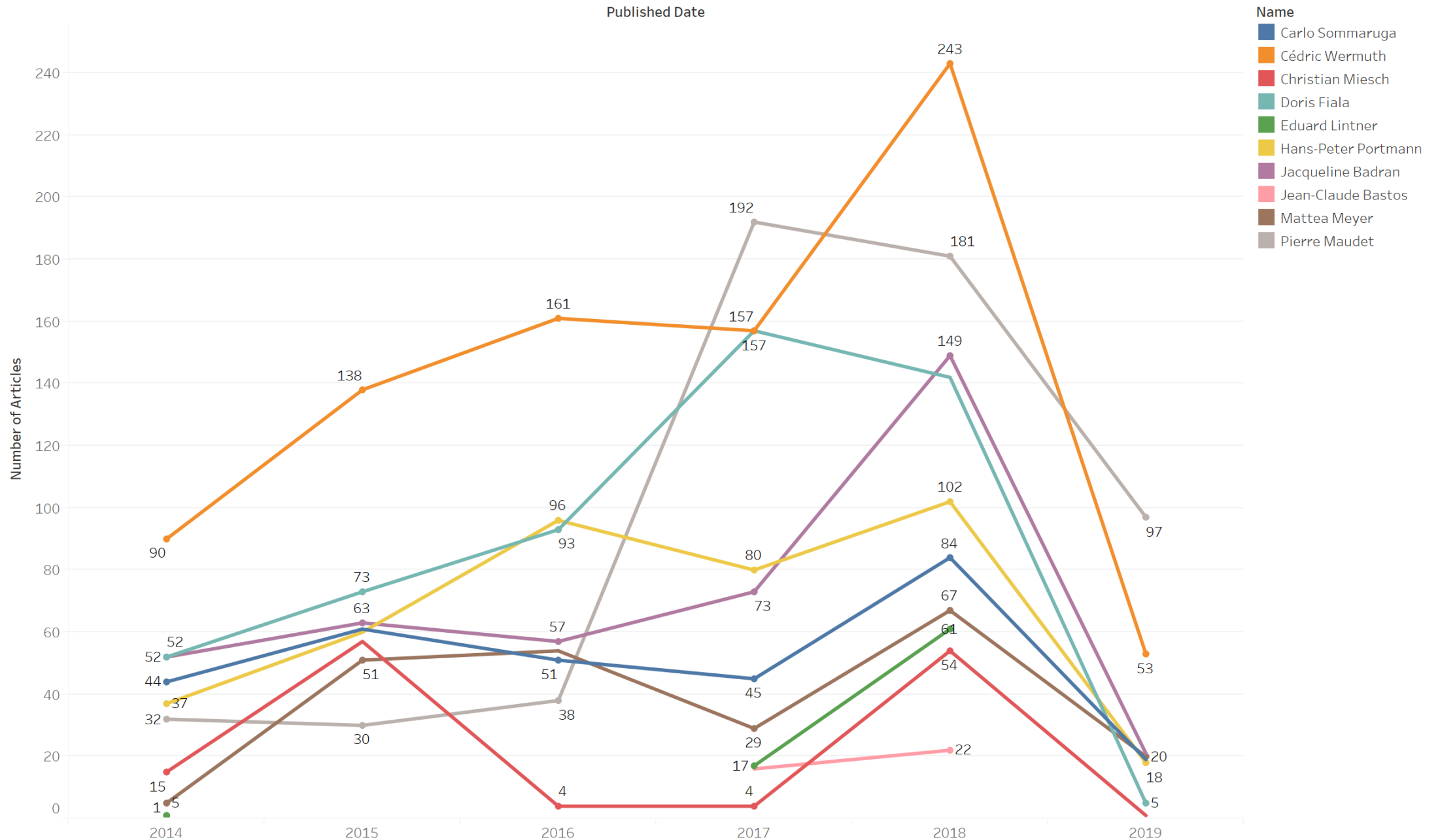
Sum of Number of Entries for each Word. Color shows details about Word. The view is filtered on Number of Documents as an attribute and Number of Entries as an attribute. The Number of Documents as an attribute filter ranges from 1 to 384. The Number of Entries as an attribute filter ranges from 1 to 462.



**Python code, data base scripts, CSV exports of data,  
and full data base documentation can be viewed at:**  
<https://github.com/SequoiaIntelligence/UHL>

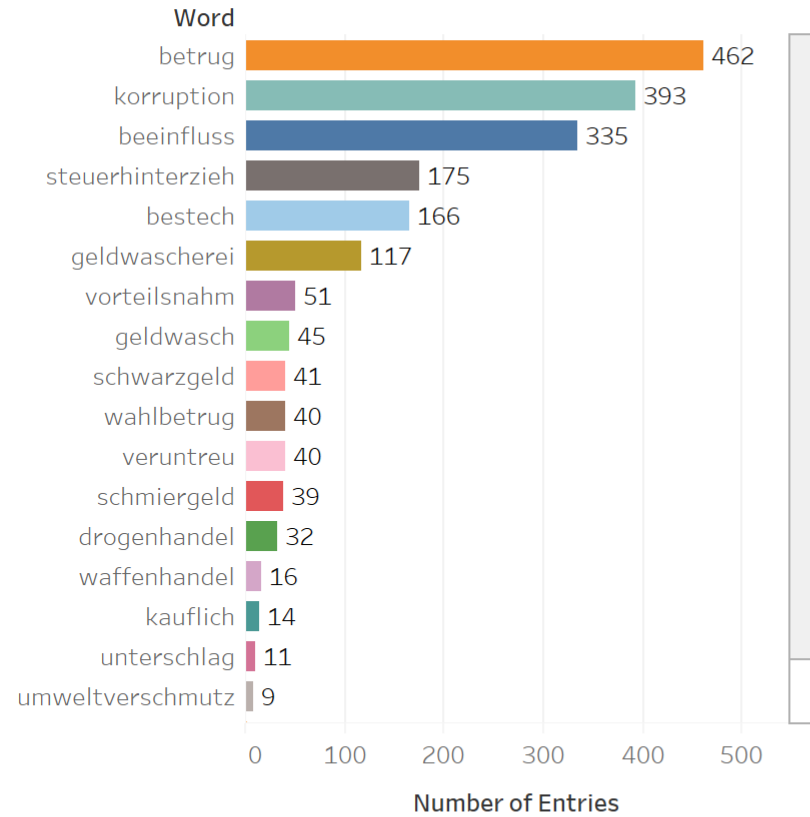
 Data	Check in of CSV
 PythonCode	Python Code
 SQL_Functions	SQL Script for user defined functions.
 20190309_FINOVA_SCHEMA.html	Data base design document.
 Finnova Schema.png	Data base design document.
 FinnovaDB.sql	SQL Script for Finnova DB Schema

# Top Ten PEPs



The trend of sum of Number of Articles for Published Date Year. Color shows details about Name. The data is filtered on count of Number of Articles and Published Date Month. The count of Number of Articles filter ranges from 1 to 243. The Published Date Month filter ranges from January 2014 to March 2019. The view is filtered on Name, which keeps 10 of 10 members.

# Occurences of Alert Words



Number of Entries

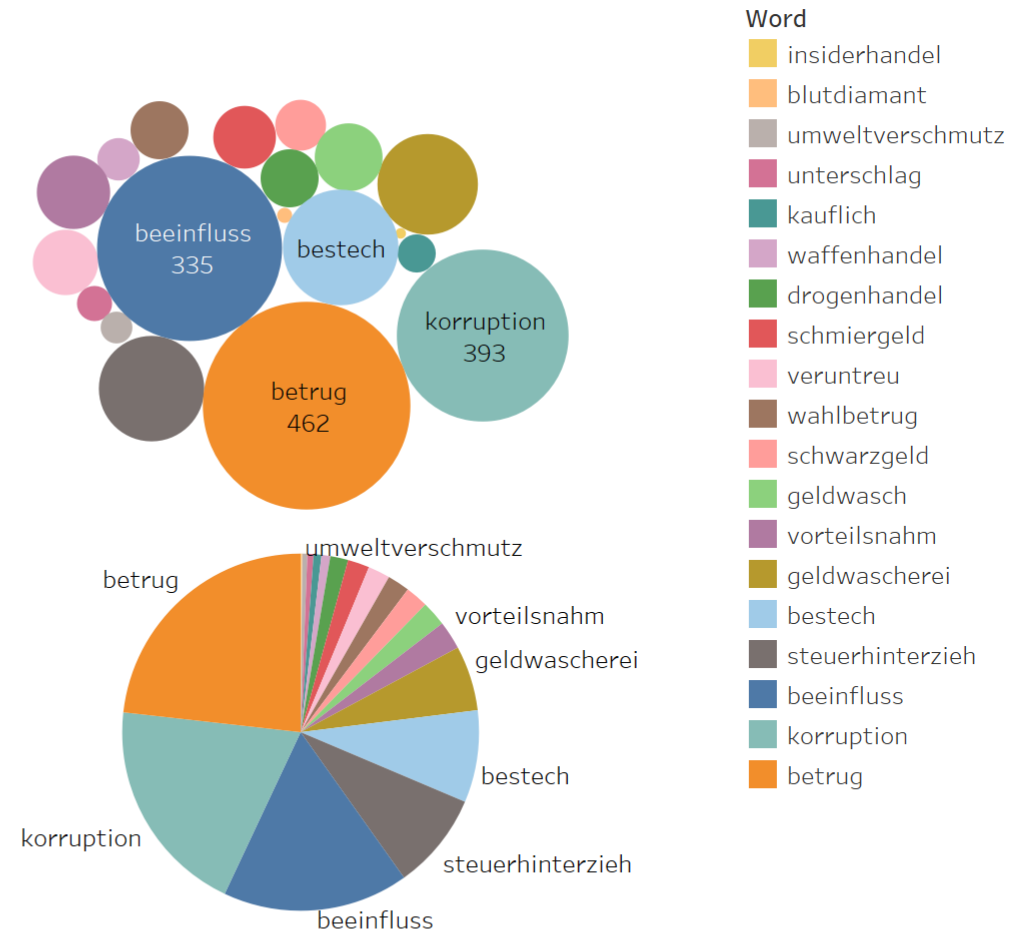
1 to 462

Number of Articles

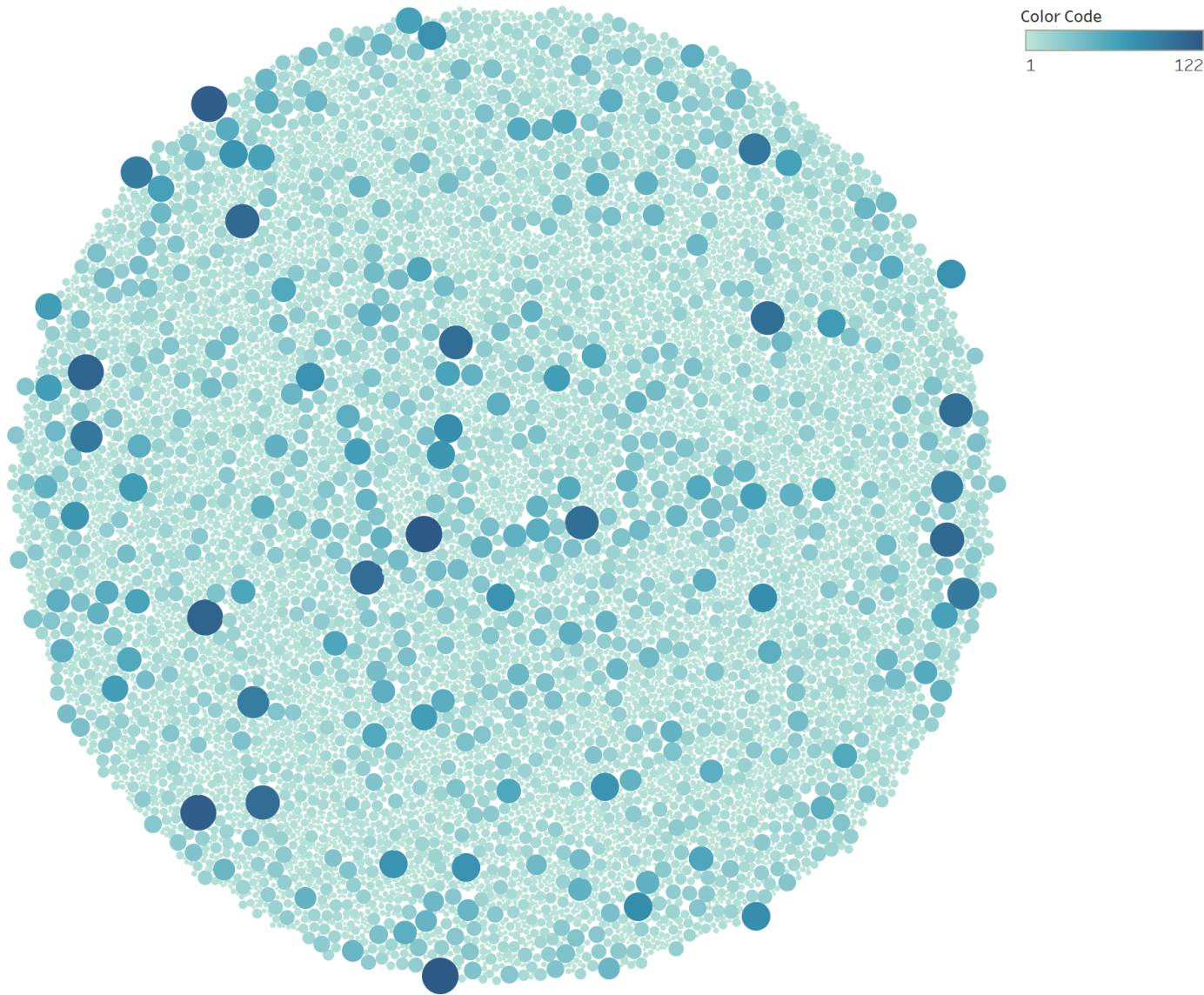
1 to 384

Word

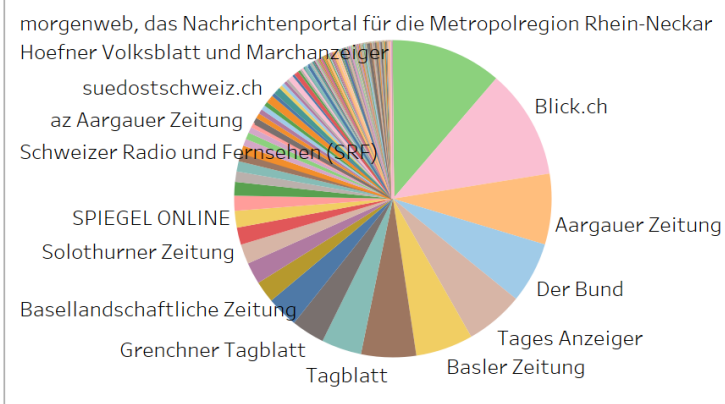
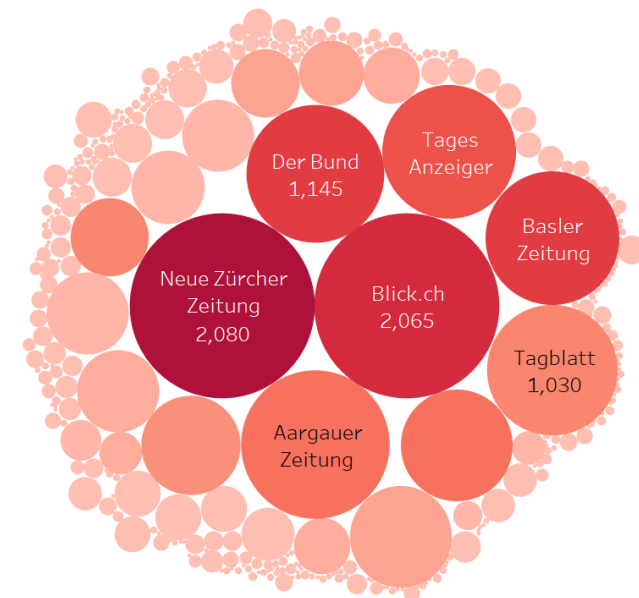
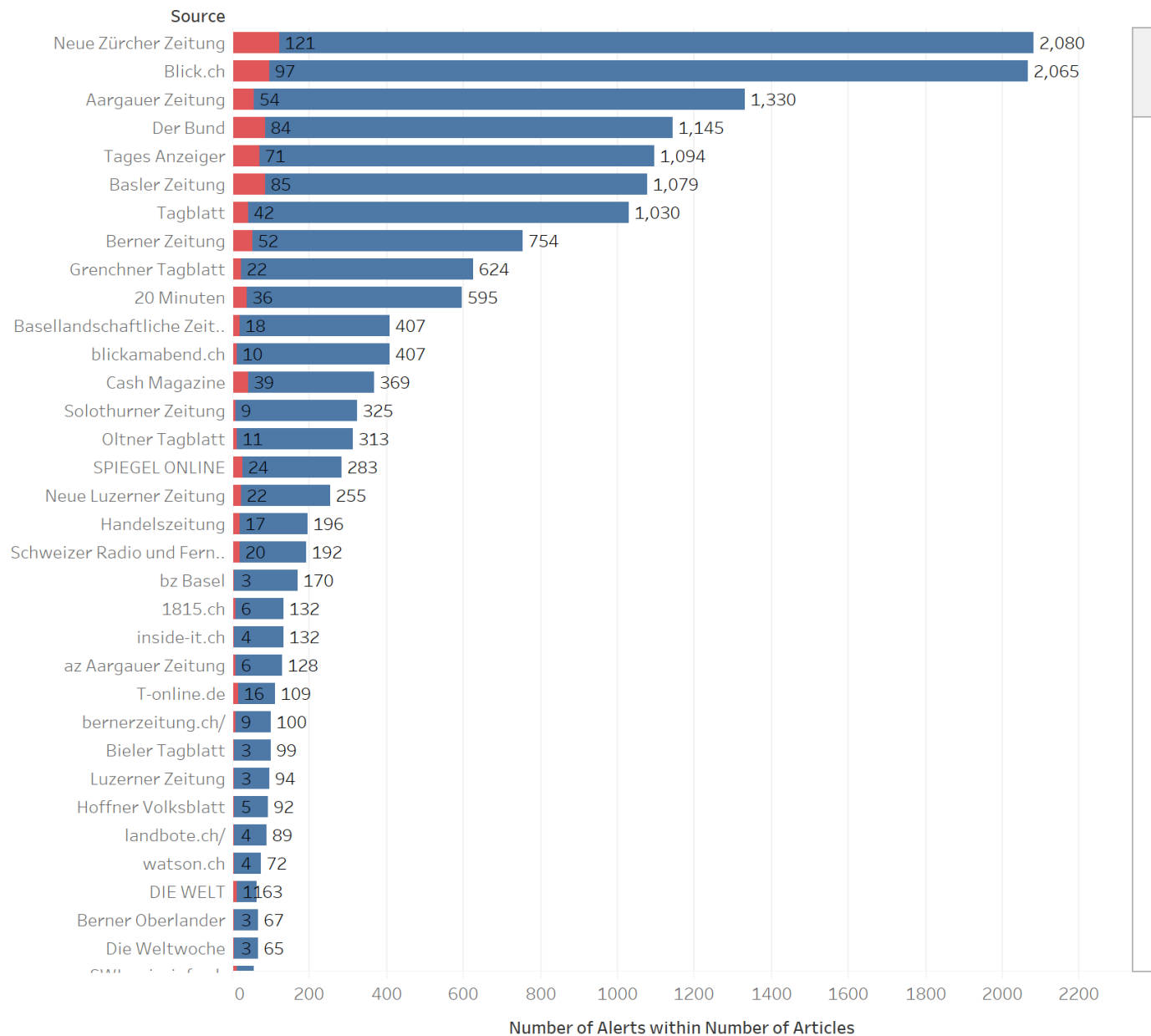
All



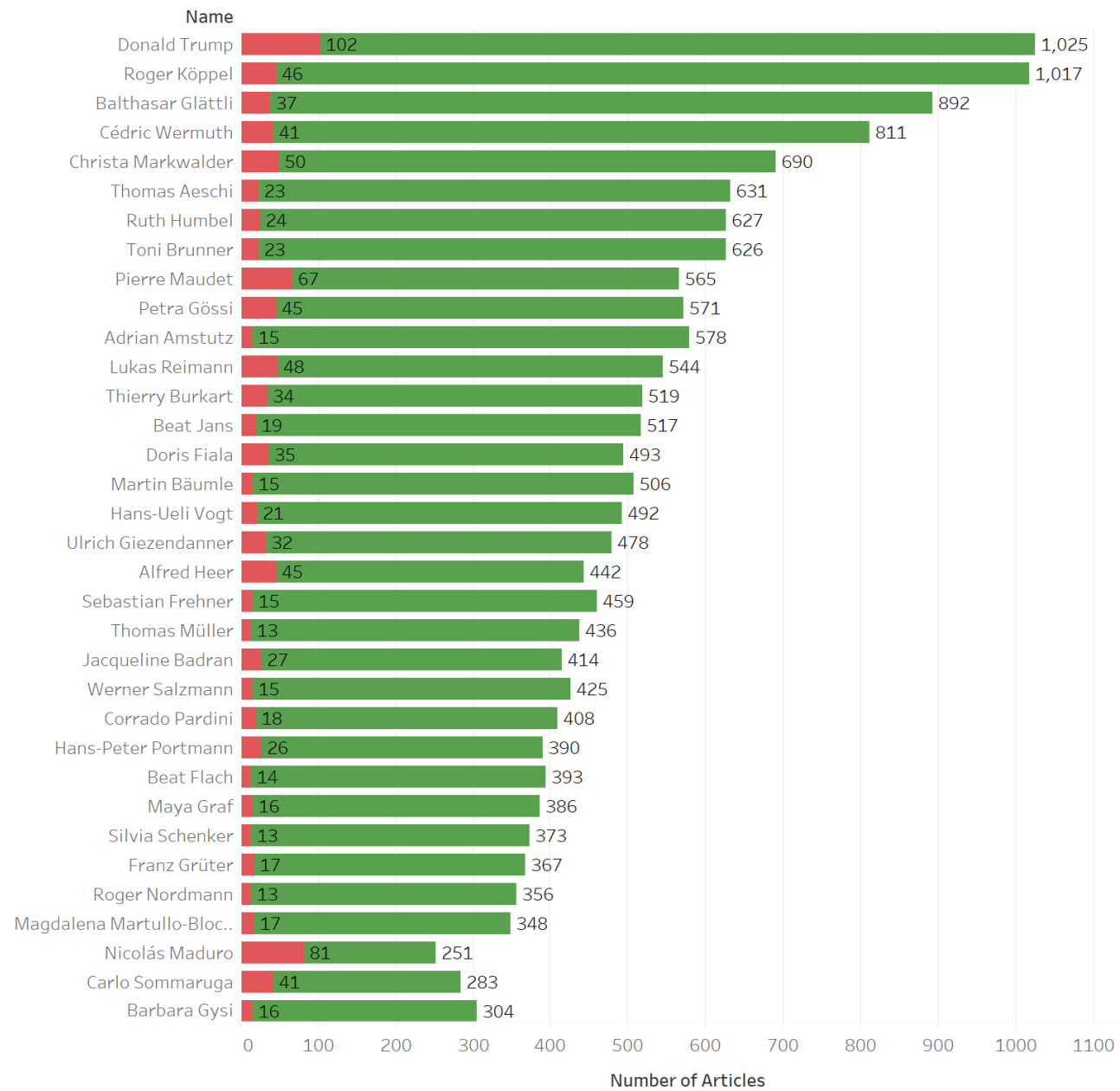
PEPs that have articles with other PEPs in it.  
Use the filters to select min and max number of articles PEP should have in common.  
Select one or more PEPs to show.



Name21, Name1 and sum of Count. Color shows sum of Count. Size shows sum of Count. The marks are labeled by Name21, Name1 and sum of Count. The view is filtered on Name1 and sum of Count. The Name1 filter keeps 161 of 161 members. The sum of Count filter ranges from 1 to 122.

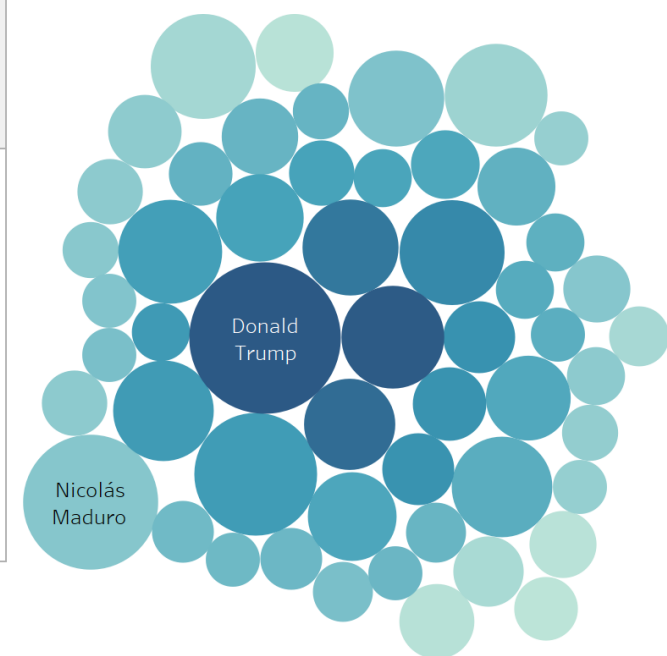
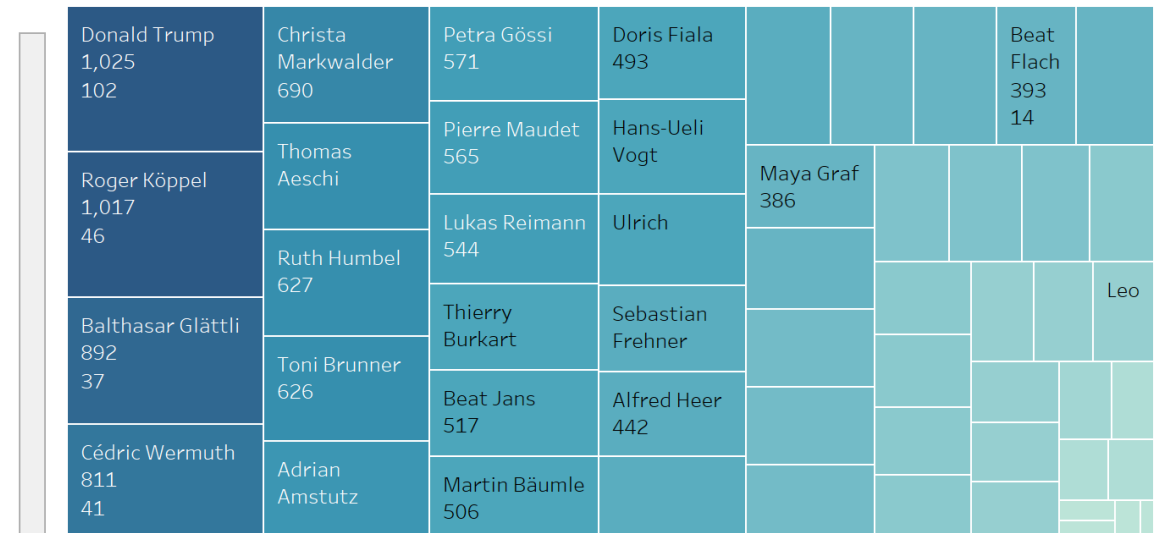


Source	Articles	Alerts
All	1 to 2080	0 to 121



■ Num Alerts ■ Num Articles

**Articles** 1 to 1,025 and Null values









**Name** All

**Alerts** 13 to 102

**Python code, data base scripts, CSV exports of data,  
and full data base documentation can be viewed at:**

**<https://github.com/SequoiaIntelligence/UHL>**

 Data	Check in of CSV
 PythonCode	Python Code
 SQL_Functions	SQL Script for user defined functions.
 20190309_FINOVA_SCHEMA.html	Data base design document.
 Finnova Schema.png	Data base design document.
 FinovaDB.sql	SQL Script for Finnova DB Schema