

# Analysis of Country Mentions in DR, BBC and ARD

## Table of contents

<b>1</b>	<b>Set-up</b>	<b>1</b>
<b>2</b>	<b>Numbers</b>	<b>2</b>
2.1	dataframes . . . . .	2
2.1.1	country_analysis . . . . .	2
2.1.2	per_day . . . . .	2
2.1.3	countries_as_placings . . . . .	2
2.2	Summaries . . . . .	3
<b>3</b>	<b>Plots</b>	<b>3</b>
3.1	Barplot - top 10 . . . . .	3
3.2	Barplot - unique countries per day . . . . .	4
3.3	Decay plot . . . . .	5
3.4	World maps . . . . .	6
3.4.1	BBC . . . . .	6
3.4.2	facet - alle tre . . . . .	7
3.5	Violin plot . . . . .	7
3.6	Correlation . . . . .	8

## 1 Set-up

Dataen rengøres således at der for hvert medie er samme antal artikler per dag.

```
Rows: 1321 Columns: 6
-- Column specification -----
Delimiter: ","
chr (4): URL, media, type_article, countries
dbl (1): is_nyhed
date (1): date

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
```

```

Rows: 828
Columns: 6
$ URL      <chr> "https://www.bbc.com/news/articles/cgmzmn4971zo", "https:~
$ media    <chr> "BBC", "BBC", "BBC", "BBC", "BBC", "BBC", "BBC", "BBC", "~
$ is_nyhed <dbl> 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, ~
$ type_article <chr> "news", "news", "news", "travel", "news", "news", "news", ~
$ date     <date> 2025-10-12, 2025-10-12, 2025-10-12, 2025-10-12, 2025-10-~
$ countries <chr> "Afghanistan, Bangladesh, India, Pakistan, Qatar, Saudi A~

```

I denne analyse medtages 828 artikler

## 2 Numbers

### 2.1 dataframes

#### 2.1.1 country\_analysis

```

Rows: 274
Columns: 7
Groups: media [3]
$ media      <chr> "ARD", "ARD", "ARD", "ARD", "ARD", "ARD", "A~
$ countries  <chr> "Germany", "United States of America", "Russ~
$ mentions   <int> 150, 78, 55, 41, 37, 36, 29, 25, 24, 20, 19,~
$ total_articles <int> 276, 276, 276, 276, 276, 276, 276, 276, 276,~
$ mentions_per_100_articles <dbl> 54.347826, 28.260870, 19.927536, 14.855072, ~
$ total_country_mentions <int> 855, 855, 855, 855, 855, 855, 855, 855,~
$ share_of_voice <dbl> 17.5438596, 9.1228070, 6.4327485, 4.7953216,~

```

Der kigges på 2 ens men også ret forskellige parametre

mentions\_per\_100\_articles: siger sig selv. Hvis man tager 100 artikler, hvor mange gange er omtalte land så nævnt?

share\_of\_voice: hvor stor en andel af al land-omtale for givent medie står dette land for

#### 2.1.2 per\_day

#### 2.1.3 countries\_as\_placings

```

Rows: 274
Columns: 4
$ media      <chr> "ARD", "ARD", "ARD", "ARD", "ARD", "ARD", "A~
$ placing    <int> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 1~
$ countries  <chr> "Germany", "United States of America", "Russ~
$ mentions_per_100_articles <dbl> 54.347826, 28.260870, 19.927536, 14.855072, ~

```

## 2.2 Summaries

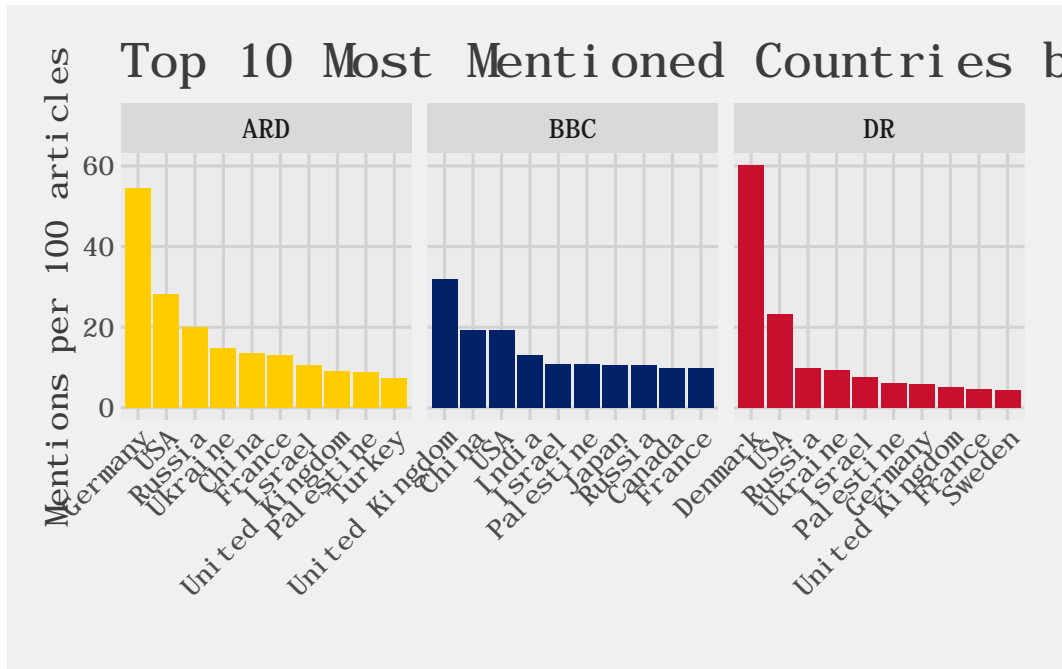
```
# A tibble: 3 x 5
  media n_countries more_than_once gini_coefficient avg_mentions
  <chr>      <int>         <int>          <dbl>         <dbl>
1 ARD          93           52          0.660          2.16
2 BBC         111           53          0.655          1.85
3 DR           70           34          0.708          1.48
```

Generelle stats for hvert medie:

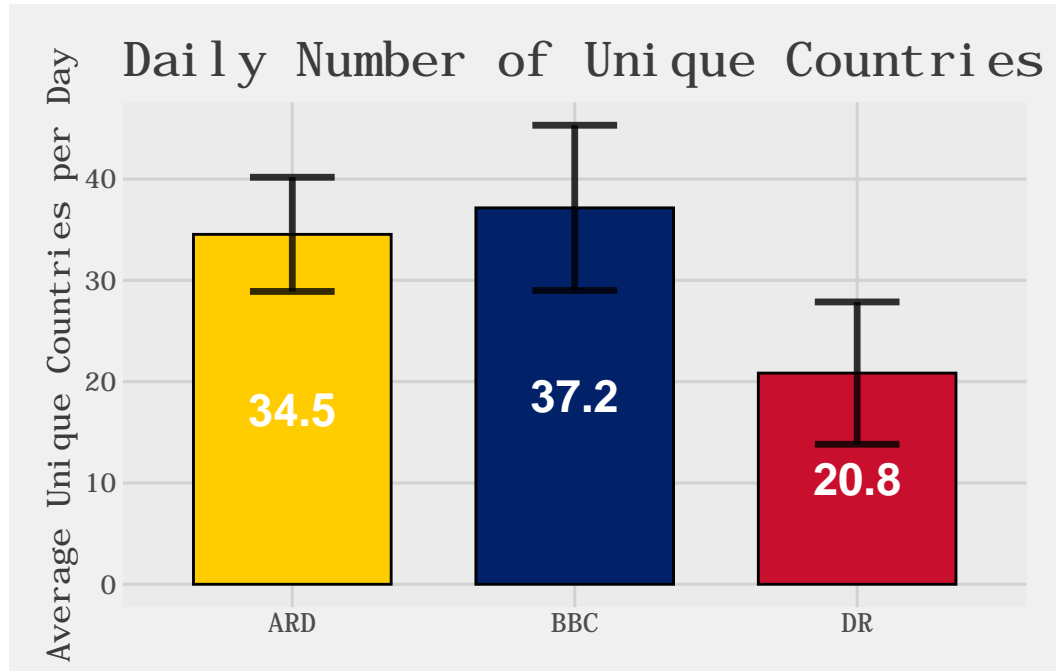
1. `n_countries`: antal af unikke lande nævnt i alle artiklerne
2. `more_than_once`: antal af unikke lande nævnt mere end 1 gang per 100 artikler
3. `gini_coefficient`: parametre fra økonomi, 0 er perfekt lighed og 1 maximum ulighed
4. `avg_mentions`: gennemsnitligt antal gange en lande bliver nævnt per 100 artikel (4 mest nævnt lande frasorteret)

## 3 Plots

### 3.1 Barplot - top 10



### 3.2 Barplot - unique countries per day



Undersøg om der er signifikant forskel:

ANOVA Table (type II tests)

	Effect	DFn	DFd	F	p	p<.05	pes
1	media	2	36	20.276	1.27e-06	*	0.53

ANOVA Table (type II tests)

	Effect	DFn	DFd	F	p	p<.05	pes
1	media	1	24	30.061	1.23e-05	*	0.556

ANOVA Table (type II tests)

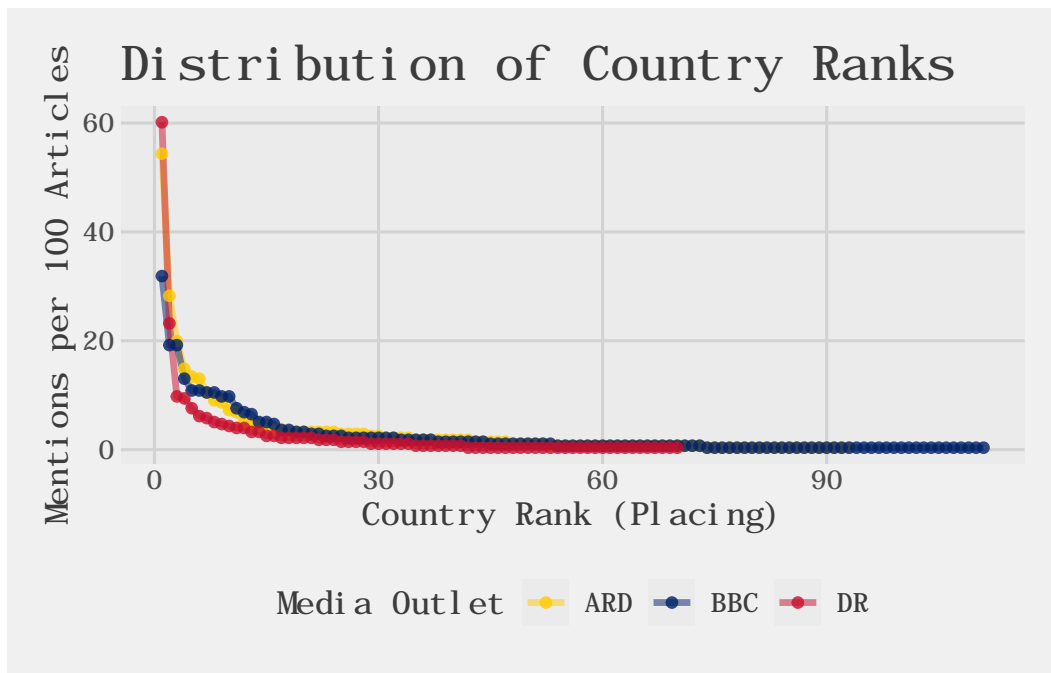
	Effect	DFn	DFd	F	p	p<.05	pes
1	media	1	24	29.86	1.29e-05	*	0.554

Her er en indsigt:

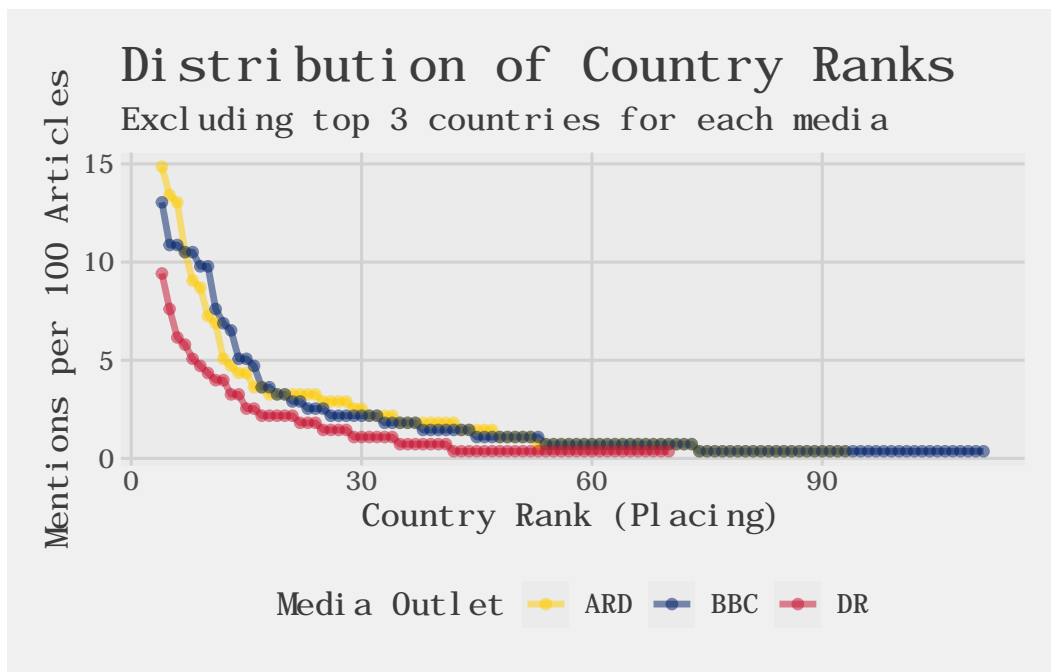
**DR skriver om signifikant færre unikke lande end de to andre medier**

### 3.3 Decay plot

Lad os kigge på fordelingen af mentions



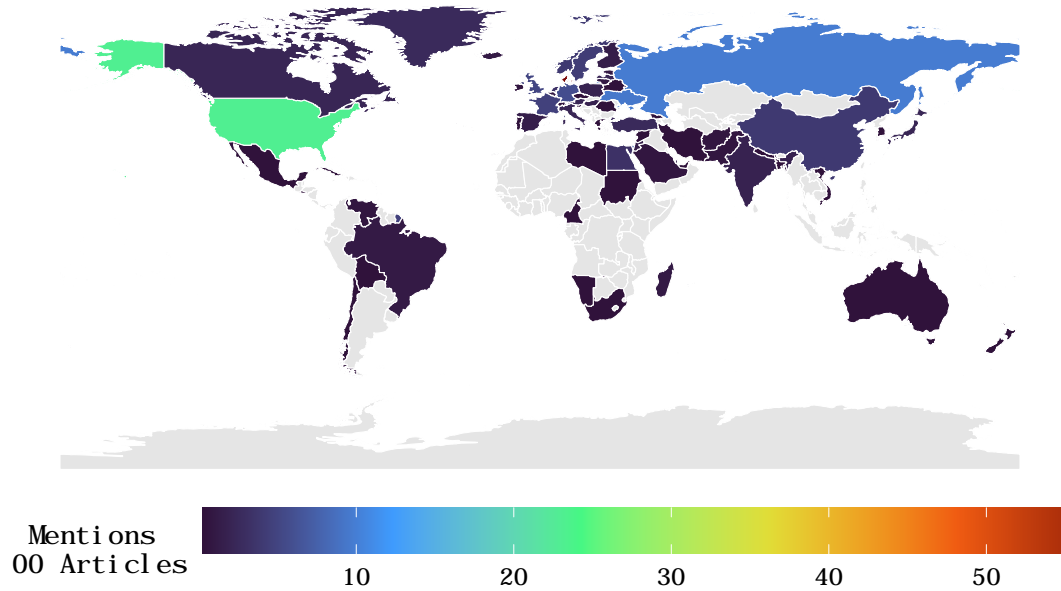
Der zoomes ind, ved at frasortere 3 mest nævnte lande fra hvert medie



DR omtaler færre lande end de to andre medier i alle dele af fordelingen.

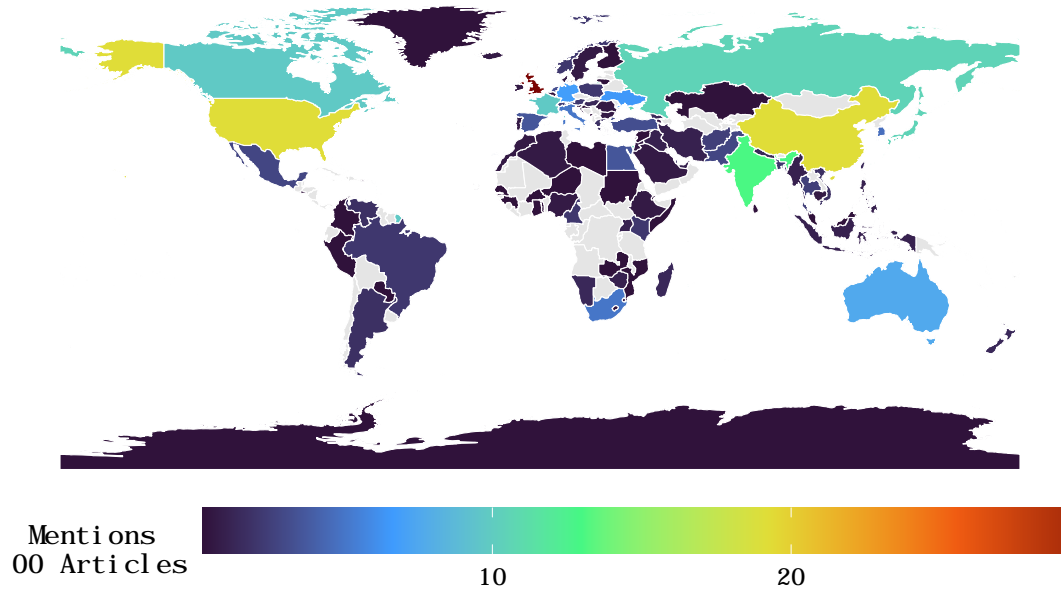
### 3.4 World maps

#### DR: Mentions of Countries

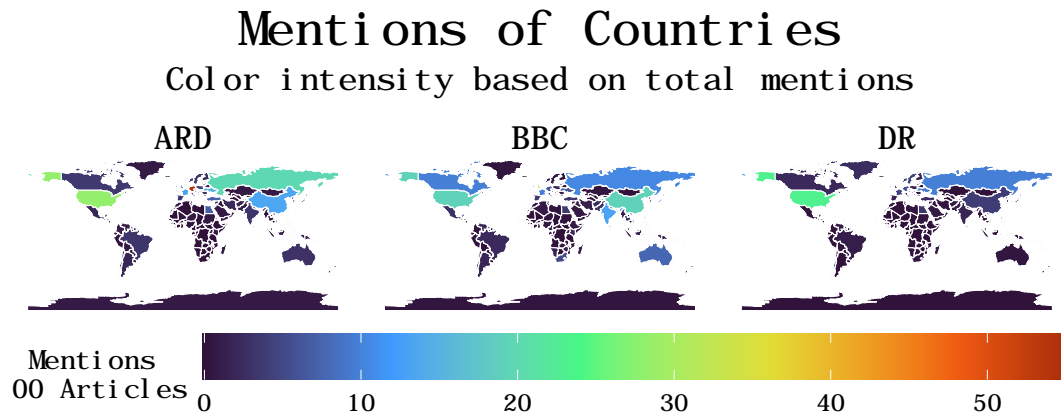


#### 3.4.1 BBC

#### BBC: Mentions of Countries

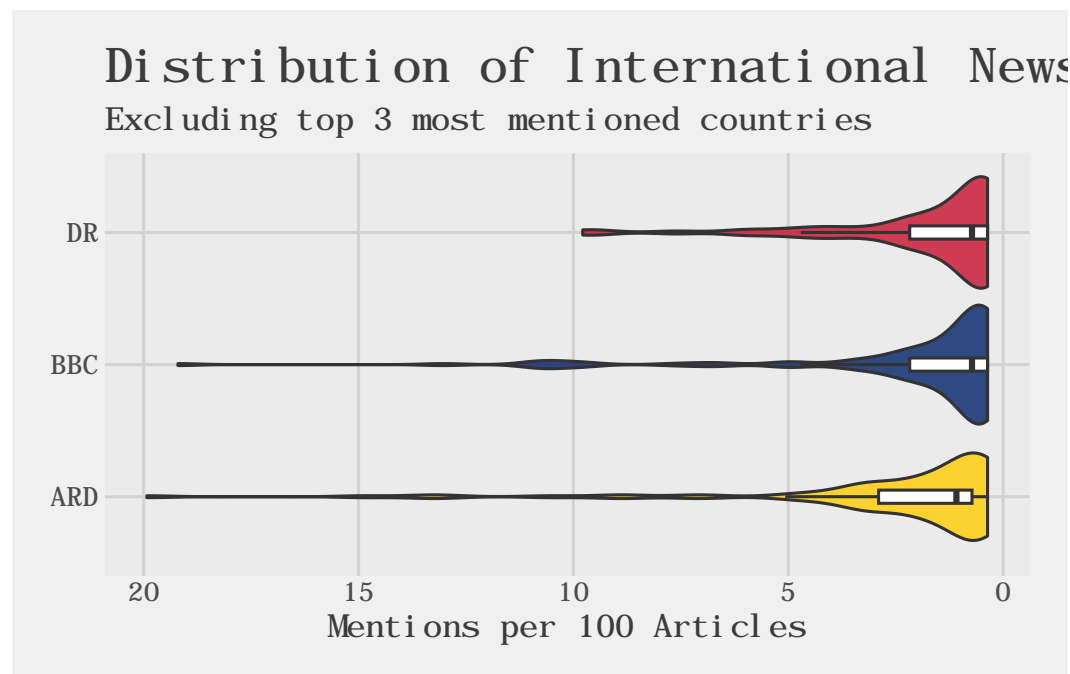


### 3.4.2 facet - alle tre



### 3.5 Violin plot

Det her plot siger ikke så meget



### 3.6 Correlation

```
# A tibble: 3 x 3
  media1 media2 correlation
  <chr>   <chr>         <dbl>
1 BBC     ARD           0.507
2 DR      ARD           0.691
3 DR      BBC           0.539
```

Indsigt: DR og ARD skriver om meget ens lande