

Analysis of Country Mentions in DR, BBC and ARD

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1 Set-up

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

Rows: 1866 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: 1,203
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: 324
Columns: 7
Groups: media [3]
$ media          <chr> "ARD", "ARD", "ARD", "ARD", "ARD", "ARD", "A~
$ countries      <chr> "Germany", "United States of America", "Russ~
$ mentions       <int> 217, 118, 76, 56, 55, 48, 37, 34, 28, 24, 21~
$ total_articles <int> 401, 401, 401, 401, 401, 401, 401, 401, 401, ~
$ mentions_per_100_articles <dbl> 54.114713, 29.426434, 18.952618, 13.965087, ~
$ total_country_mentions <int> 1197, 1197, 1197, 1197, 1197, 1197, 1197, 11~
$ share_of_voice <dbl> 18.1286550, 9.8579783, 6.3492063, 4.6783626, ~
```

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: 324
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> 54.114713, 29.426434, 18.952618, 13.965087, ~
```

2.2 Summaries

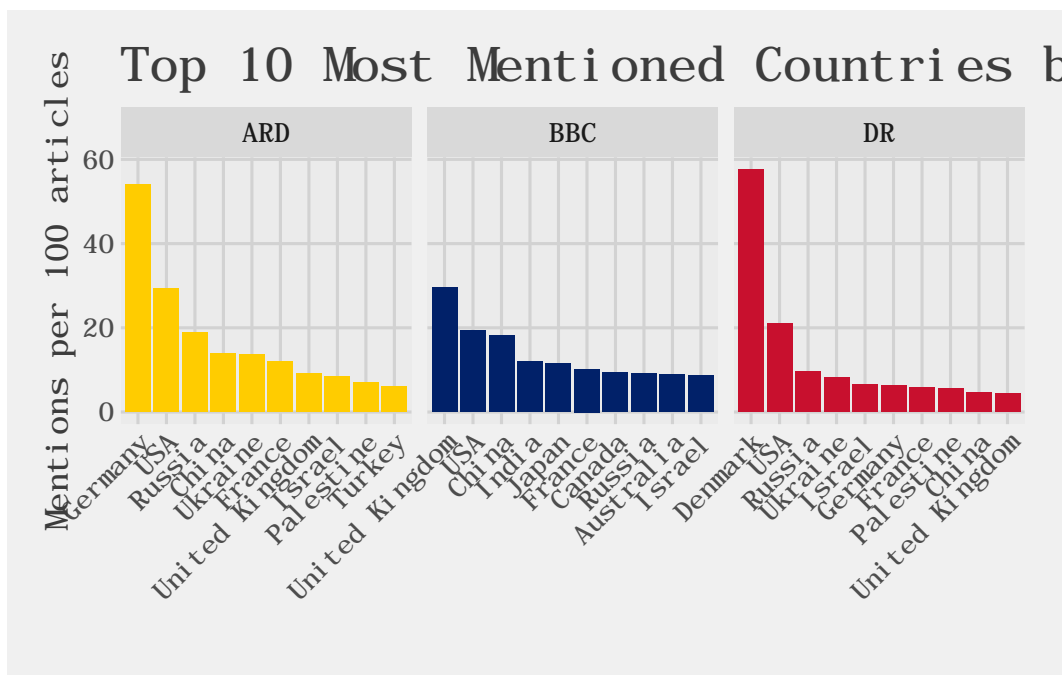
```
# A tibble: 3 x 5
  media n_countries more_than_once gini_coefficient avg_mentions
  <chr>      <int>      <int>          <dbl>          <dbl>
1 ARD         112         48          0.694          1.69
2 BBC         125         56          0.655          1.73
3 DR           87         33          0.712          1.26
```

Generelle stats for hvert medie:

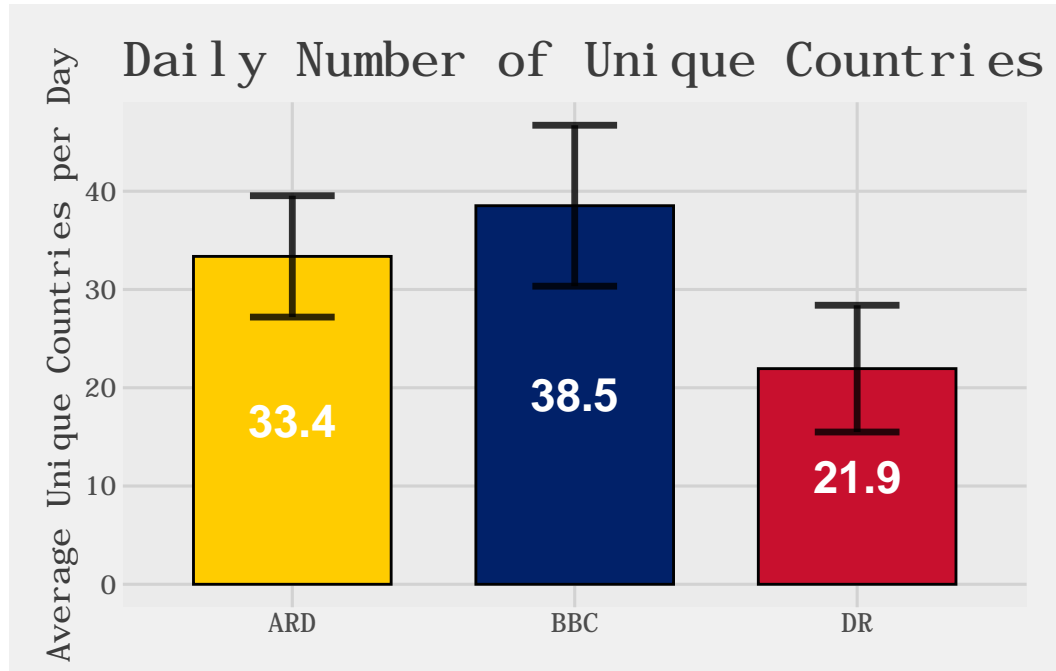
1. n_countries: antal af unikke lande nævnt i alle artiklerne
2. more_than_once: antal af unikke lande nævnt mere end 1 gang per 100 artikler
3. gini_coefficient: parametre fra økonomi, 0 er perfekt lighed og 1 maximum ulighed
4. avg_mentions: gennemsnitligt antal gange en lande bliver nævnt per 100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

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	54	27.953	4.64e-09	*	0.509

ANOVA Table (type II tests)

	Effect	DFn	DFd	F	p	p<.05	pes
1	media	1	36	31.08	2.57e-06	*	0.463

ANOVA Table (type II tests)

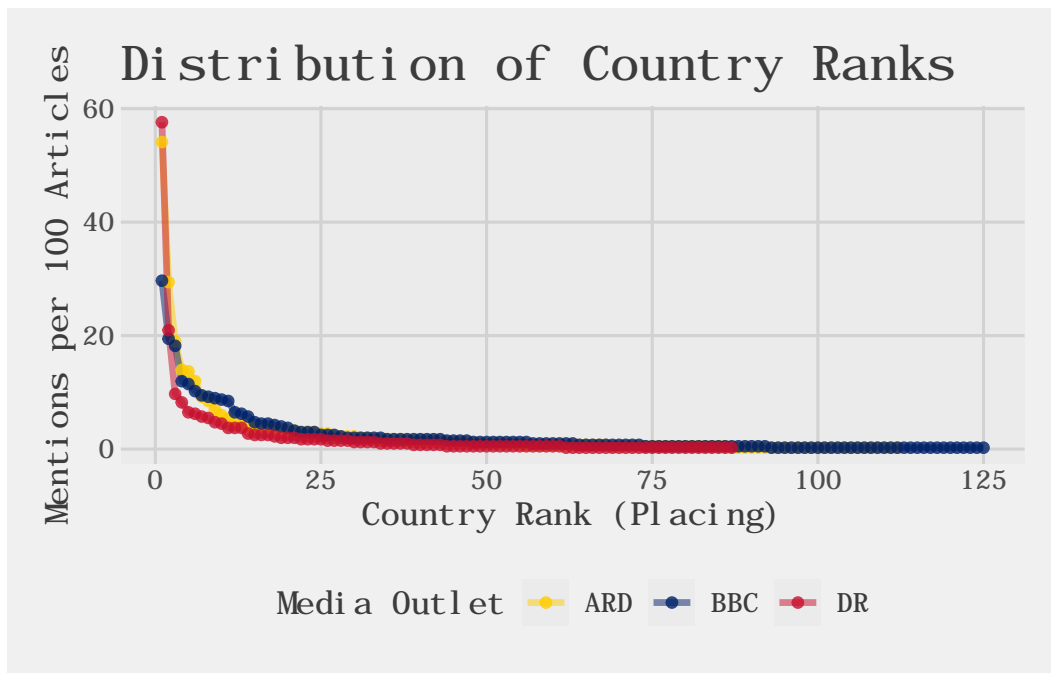
	Effect	DFn	DFd	F	p	p<.05	pes
1	media	1	36	48.066	4.02e-08	*	0.572

Her er en indsigt:

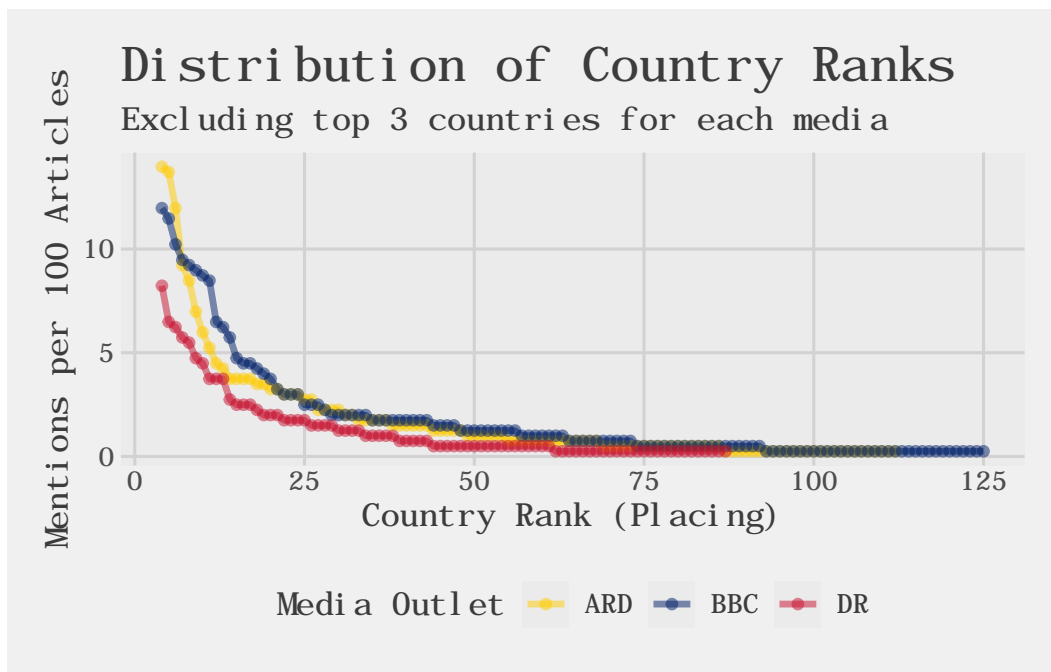
DR skriver om signifikant færre unikke lande end de to andre medier

3.3 Decay plot

Lad os kigge på fordelingen af mentions



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

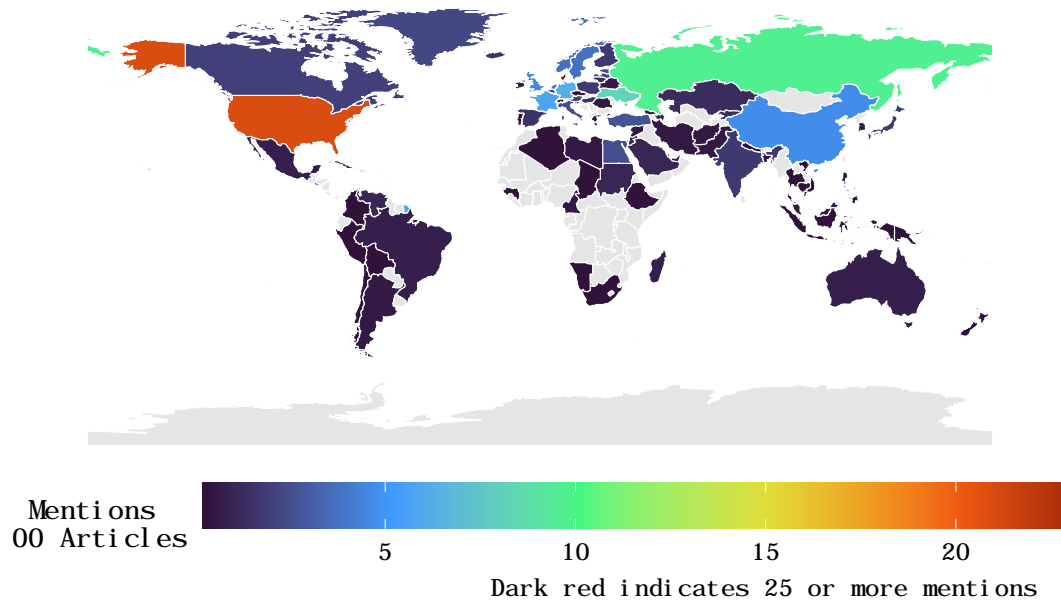


DR omtaler færre lande end de to andre medier i alle dele af fordelingen.

3.4 World maps

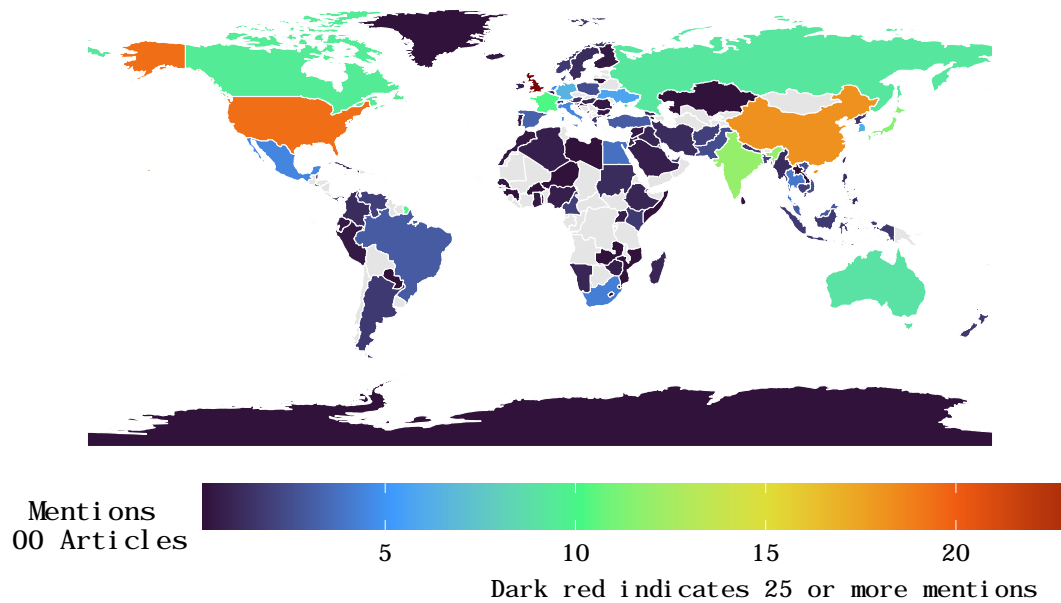
3.4.1 DR

DR: Mentions of Countries



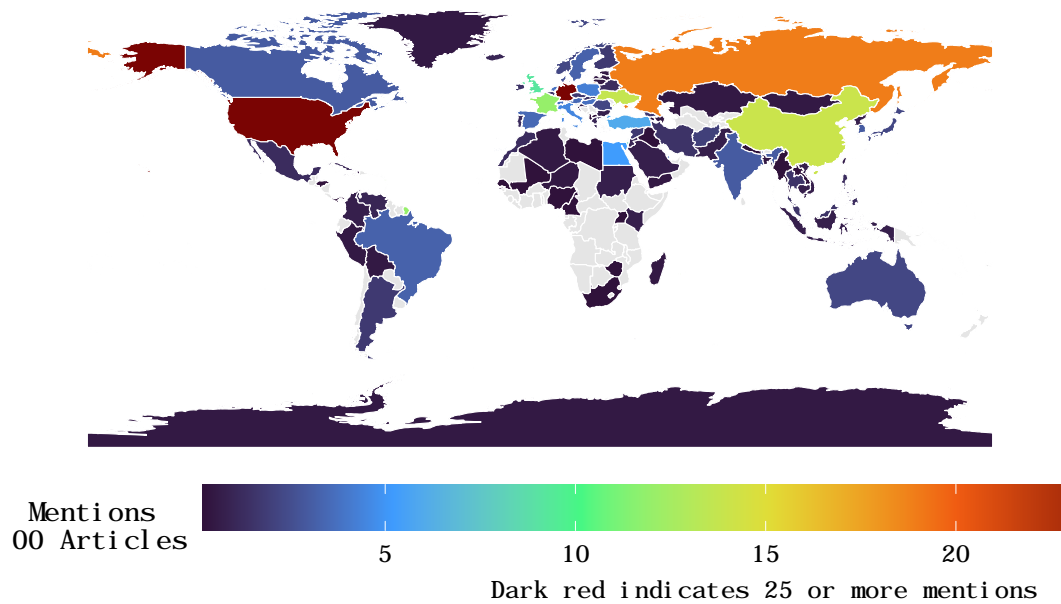
3.4.2 BBC

BBC: Mentions of Countries



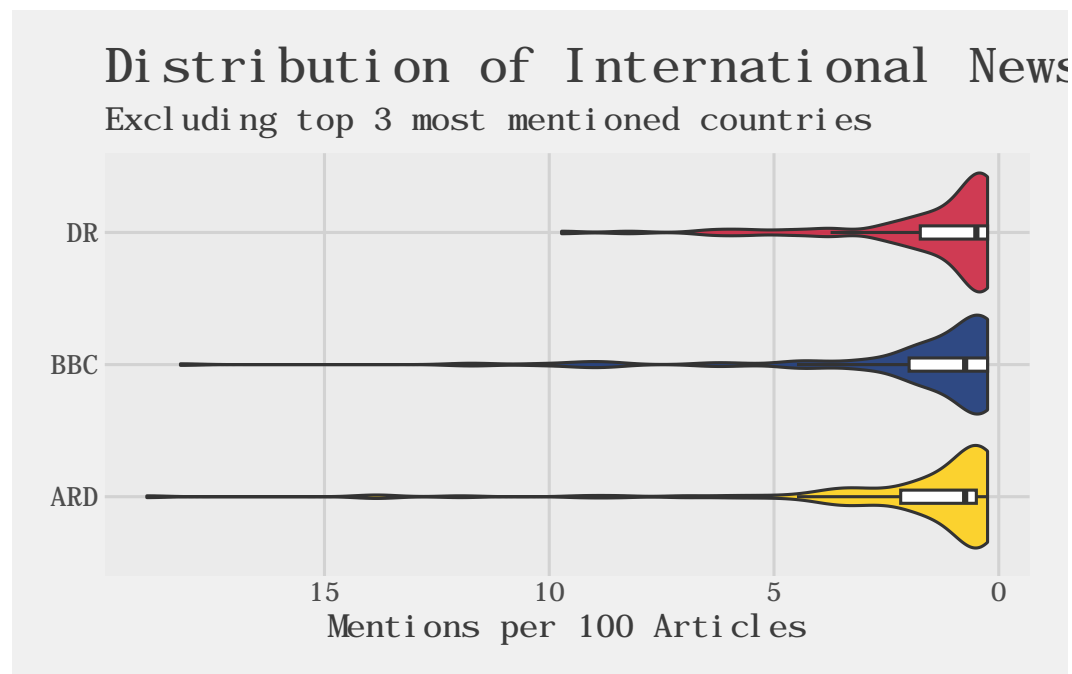
3.4.3 ARD

ARD: Mentions of Countries



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           0.629
2 DR      ARD           0.687
3 DR      BBC           0.563
```

Indsigt: DR og BBC skriver er mest forskellig