

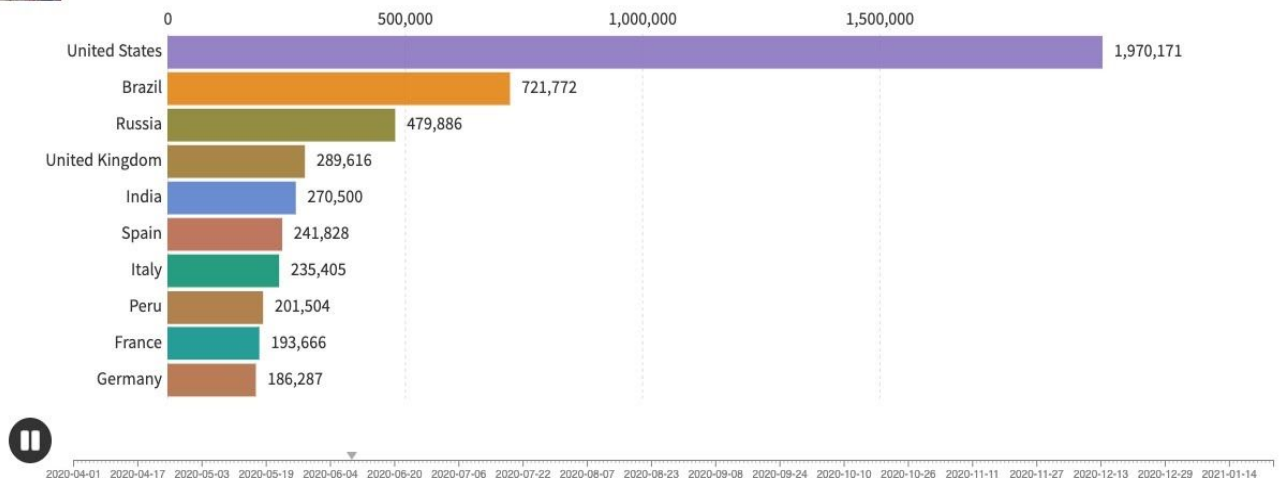
Top 10 COVID19 cases by country - Bar Chart Race Timeline

This bar chart race timeline report is designed using the publicly available cloud based flourish.studio. The dataset in consideration is from April 2020 to January 2021. The race animation covid19_cases_race_timeline.gif file is available in /images folder.



COVID19 Business Intelligence - Abarajithan Arunachalam

Top 10 COVID19 cases by country - Race Timeline



BigQuery SQL:

```
SELECT
  sub.cases_date,
  sub.country,
  sub.cumulative_confirmed_cases
FROM
  (
    SELECT
      EXTRACT(DATE FROM a.cases_timestamp) AS cases_date,
      b.country,
      a.cumulative_confirmed_cases,
      ROW_NUMBER() OVER (
        PARTITION BY EXTRACT(DATE FROM a.cases_timestamp)
        ORDER BY a.cumulative_confirmed_cases DESC
      ) AS day_rank
    FROM abar_bq_dataset_covid19_dw_bi.fact_daily_country_covid_metrics a
    INNER JOIN
      (
        SELECT DISTINCT
          country_code_iso2,
```

```
        country
    FROM
        abar_bq_dataset_covid19_dw_bi.region_dim b
    ) b
    ON a.country_code_iso2 = b.country_code_iso2
) sub
WHERE
    sub.day_rank <= 20
    AND cases_date >= '2020-04-01'
ORDER BY
    1 ASC,
    3 DESC;
```