

# Covid-19 Visualization

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# Dataset

## Reference

- <https://www.kaggle.com/gpreda/covid-world-vaccination-progress>
- <https://www.kaggle.com/josephassaker/covid19-global-dataset>

# Covid-19 Vaccination Data Info

#	Column	Non-Null Count	Dtype
0	country	6186 non-null	object
1	iso_code	5826 non-null	object
2	date	6186 non-null	object
3	total_vaccinations	3979 non-null	float64
4	people_vaccinated	3542 non-null	float64
5	people_fully_vaccinated	2414 non-null	float64
6	daily_vaccinations_raw	3365 non-null	float64
7	daily_vaccinations	5995 non-null	float64
8	total_vaccinations_per_hundred	3979 non-null	float64
9	people_vaccinated_per_hundred	3542 non-null	float64
10	people_fully_vaccinated_per_hundred	2414 non-null	float64
11	daily_vaccinations_per_million	5995 non-null	float64
12	vaccines	6186 non-null	object
13	source_name	6186 non-null	object
14	source_website	6186 non-null	object

dtypes: float64(9), object(6)  
memory usage: 725.0+ KB

# Covid-19 Global Dataset(Summary)

```
<class 'pandas.core.frame.DataFrame'>
```

```
RangeIndex: 85653 entries, 0 to 85652
```

```
Data columns (total 7 columns):
```

#	Column	Non-Null Count	Dtype
0	date	85653 non-null	object
1	country	85653 non-null	object
2	cumulative_total_cases	85653 non-null	float64
3	daily_new_cases	79184 non-null	float64
4	active_cases	84871 non-null	float64
5	cumulative_total_deaths	79006 non-null	float64
6	daily_new_deaths	67079 non-null	float64

```
dtypes: float64(5), object(2)
```

```
memory usage: 4.6+ MB
```

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# Covid-19 Global Dataset(Daily)

0	country	219	non-null	object
1	continent	219	non-null	object
2	total_confirmed	219	non-null	int64
3	total_deaths	202	non-null	float64
4	total_recovered	217	non-null	float64
5	active_cases	217	non-null	float64
6	serious_or_critical	146	non-null	float64
7	total_cases_per_1m_population	219	non-null	int64
8	total_deaths_per_1m_population	197	non-null	float64
9	total_tests	203	non-null	float64
10	total_tests_per_1m_population	203	non-null	float64
11	population	219	non-null	int64

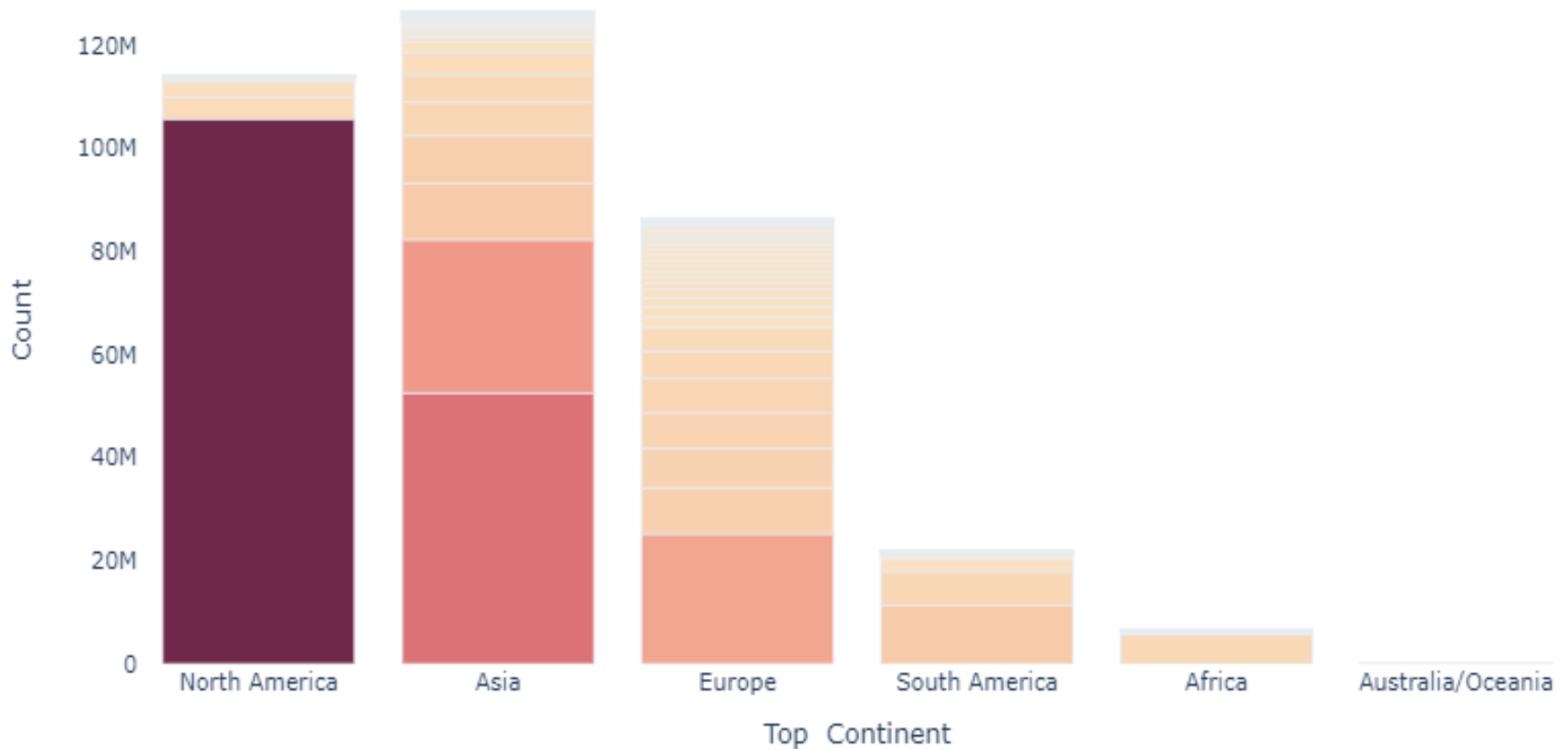
dtypes: float64(7), int64(3), object(2)

memory usage: 20.7+ KB

# People Vaccinated-Continent & Country

## People Vaccinated

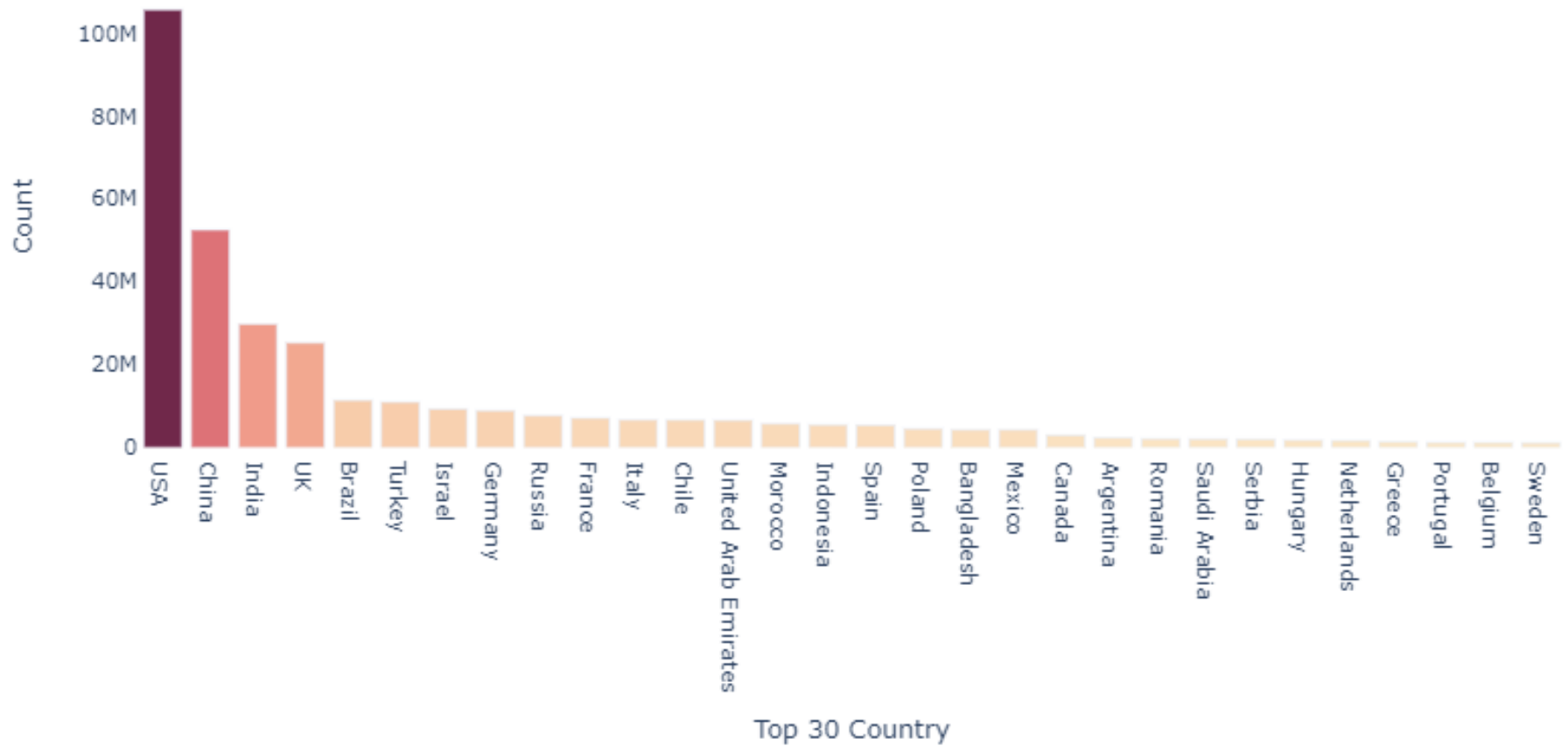
Individuals who received the first dose of the vaccine



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## People Vaccinated

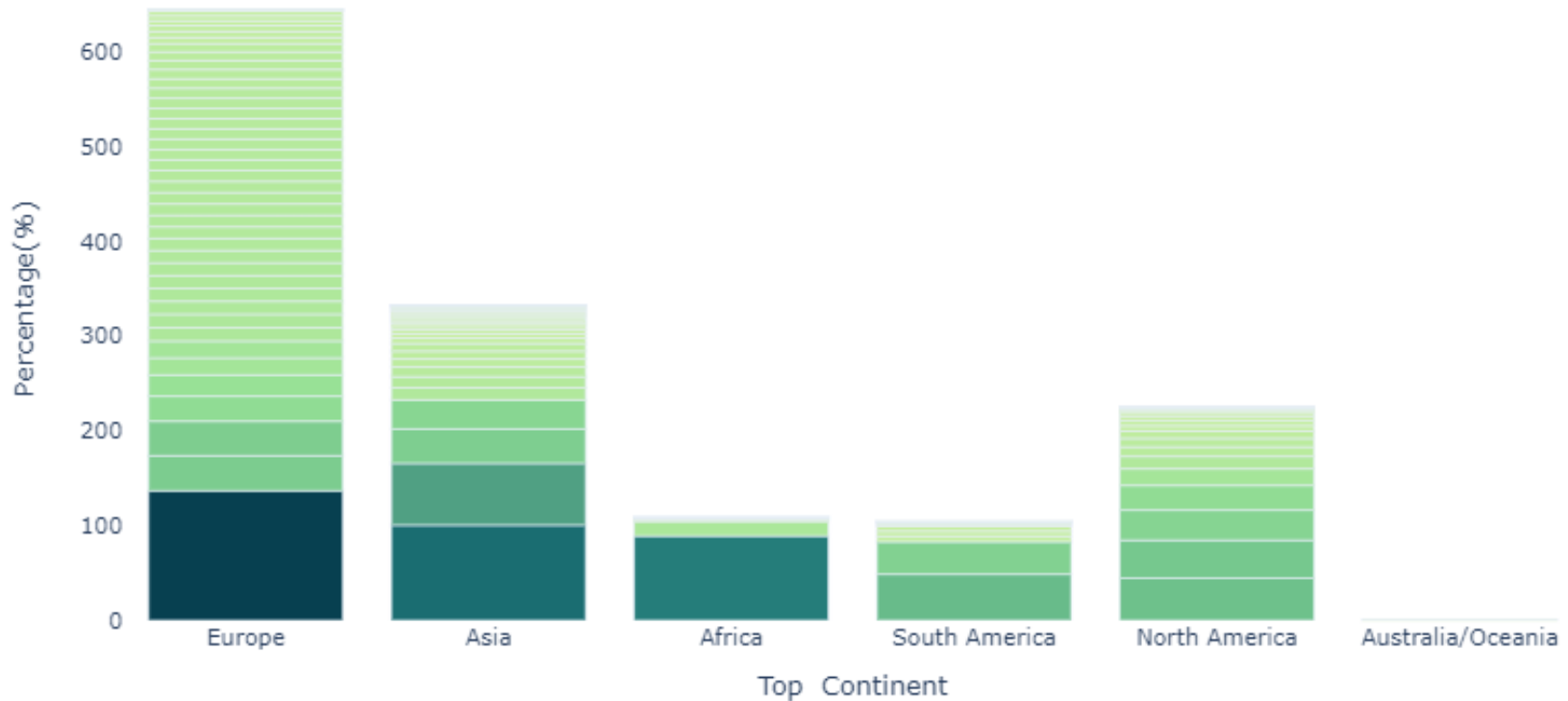
Individuals who received the first dose of the vaccine



# % Vaccinated-Continent & Country

## Percentage Vaccinated

Percentage of the total population that have received the first dose

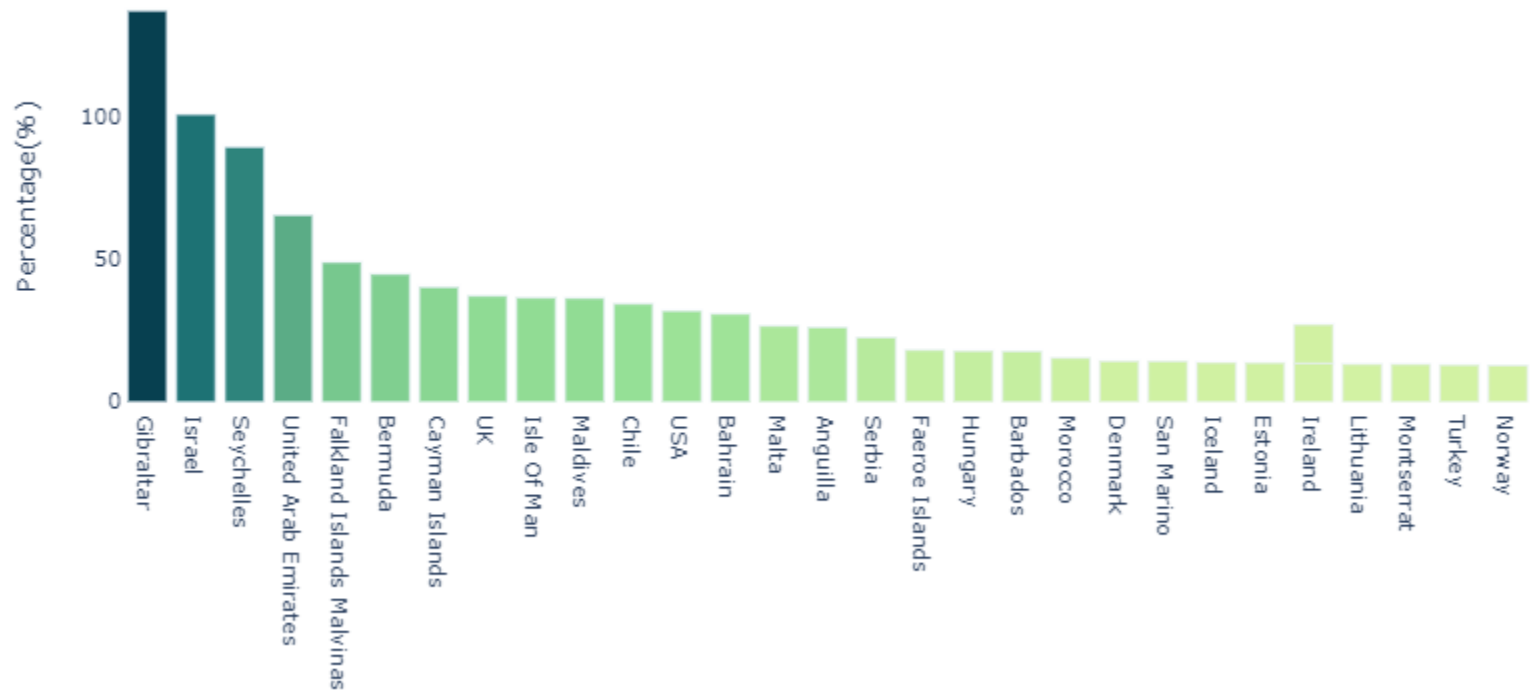




...

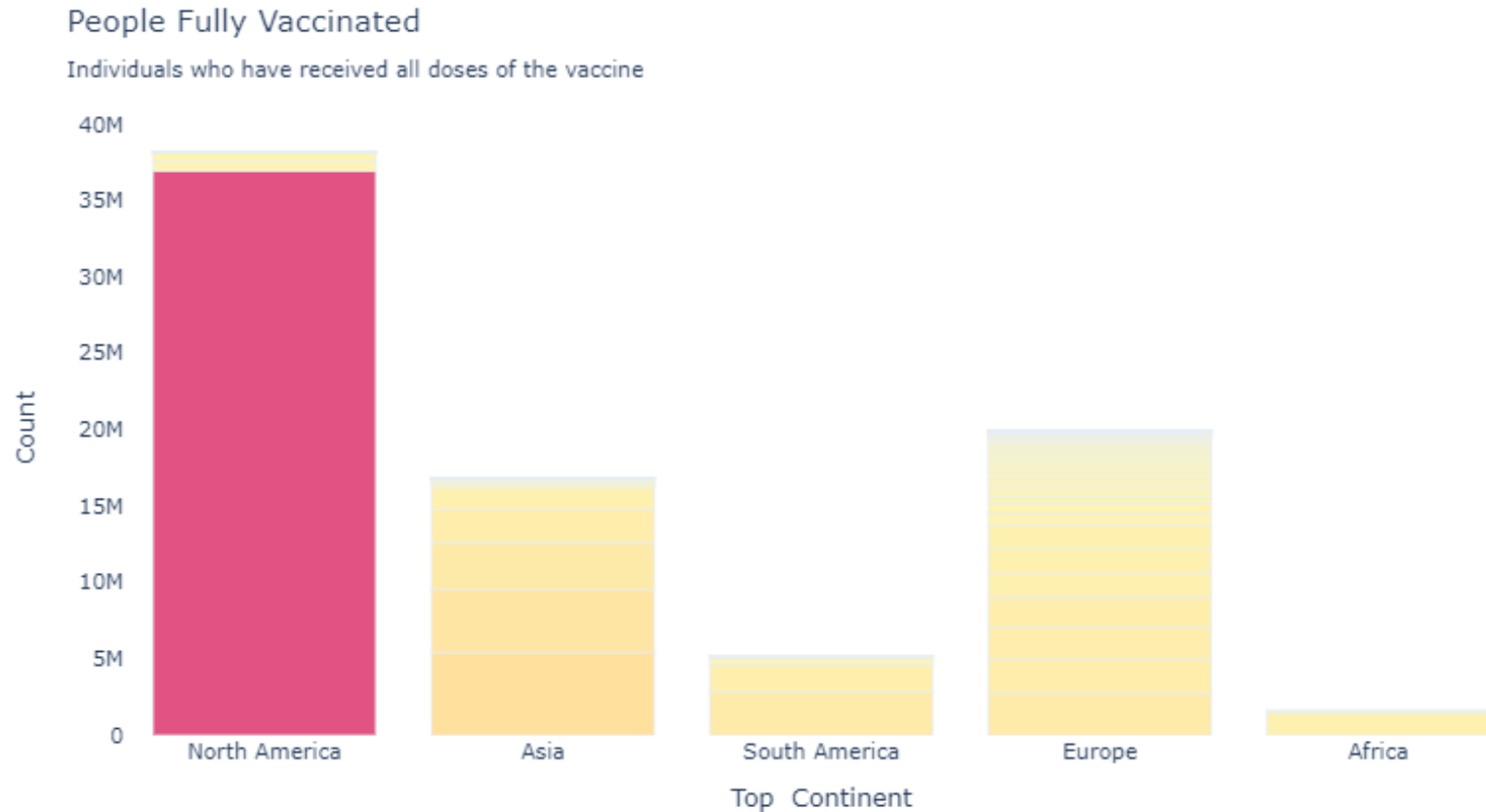
## Percentage Vaccinated

Percentage of the total population that have received the first dose



Top 30 Country

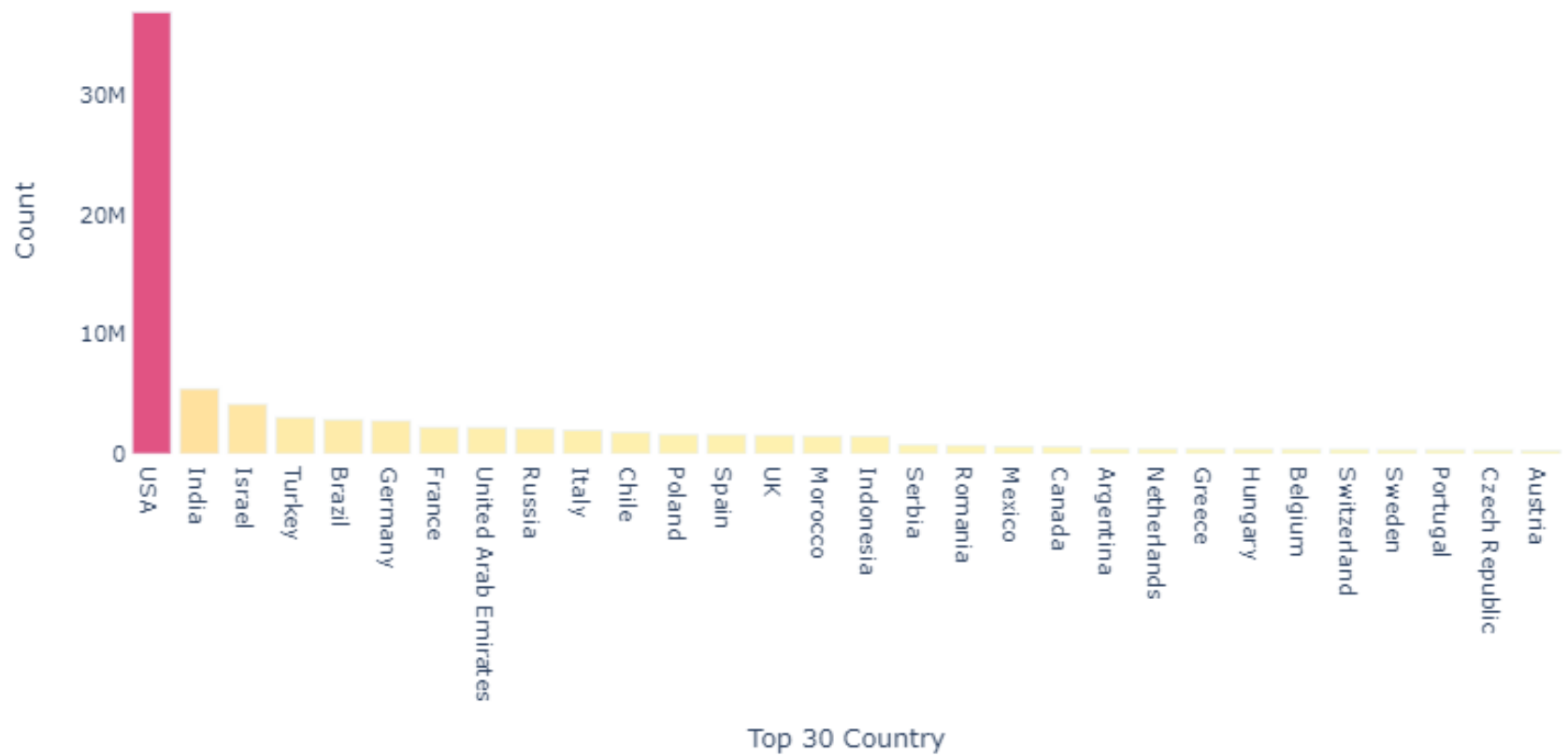
# People Fully Vaccinated-Continent & Country



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## People Fully Vaccinated

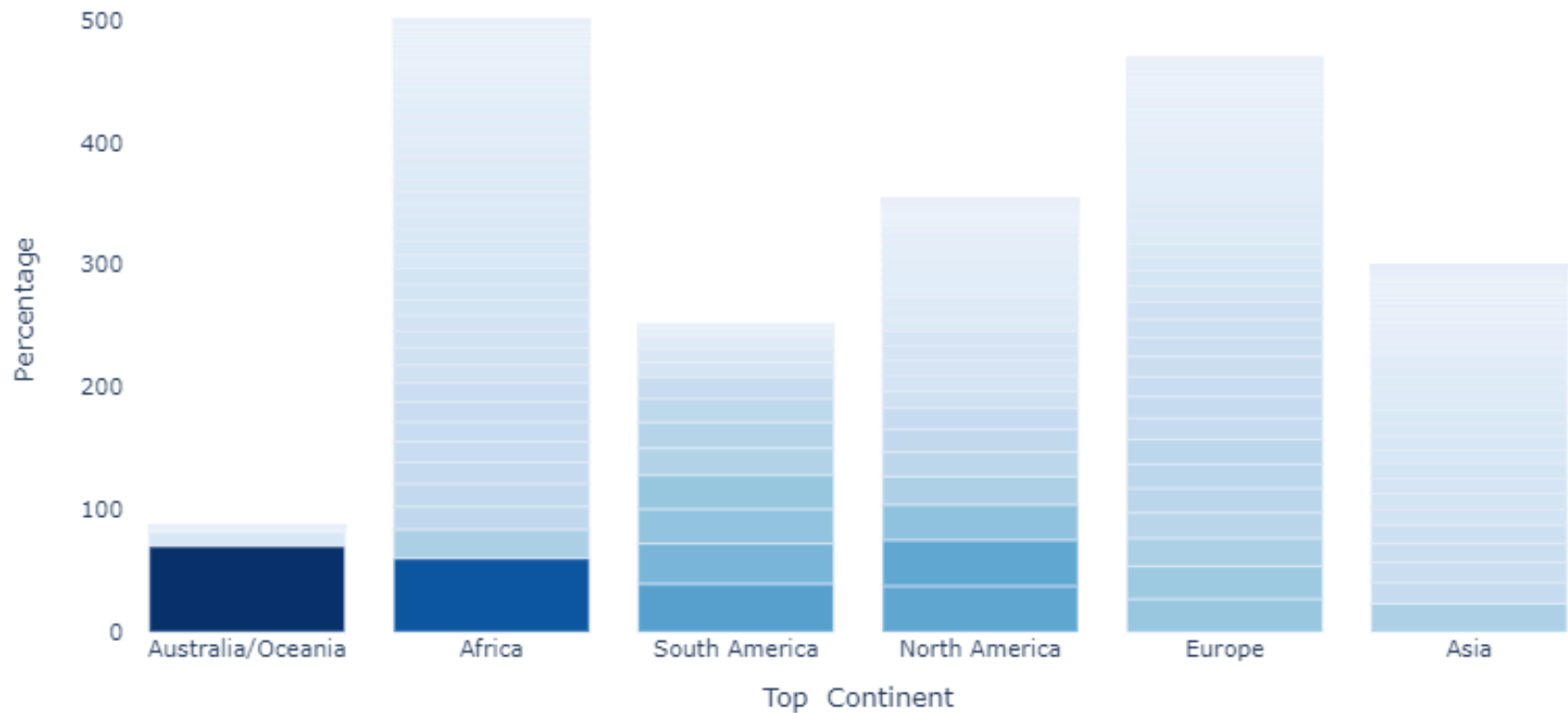
Individuals who have received all doses of the vaccine



# Tested Positive-Continent & Country

## Tested Positive

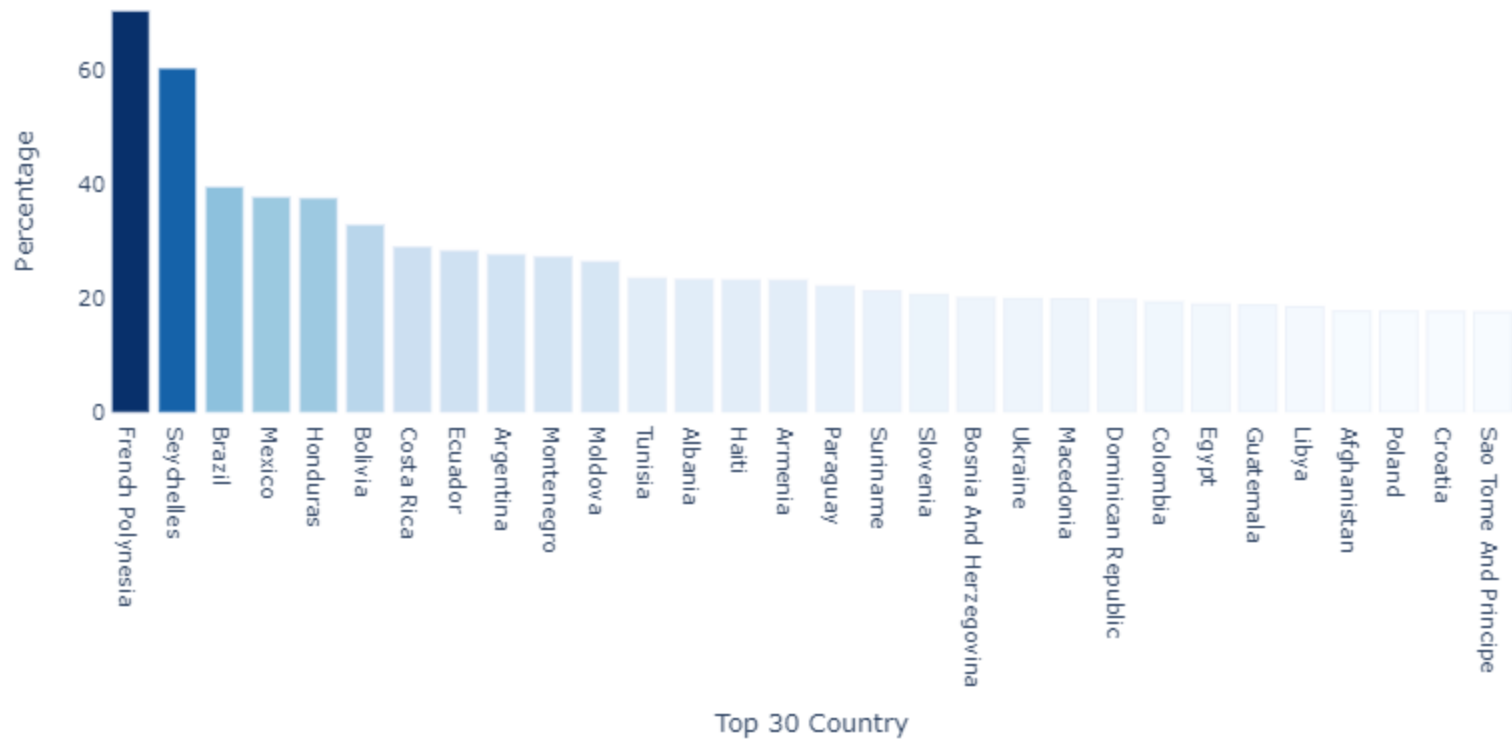
Fraction of people that tested positive among those that were tested



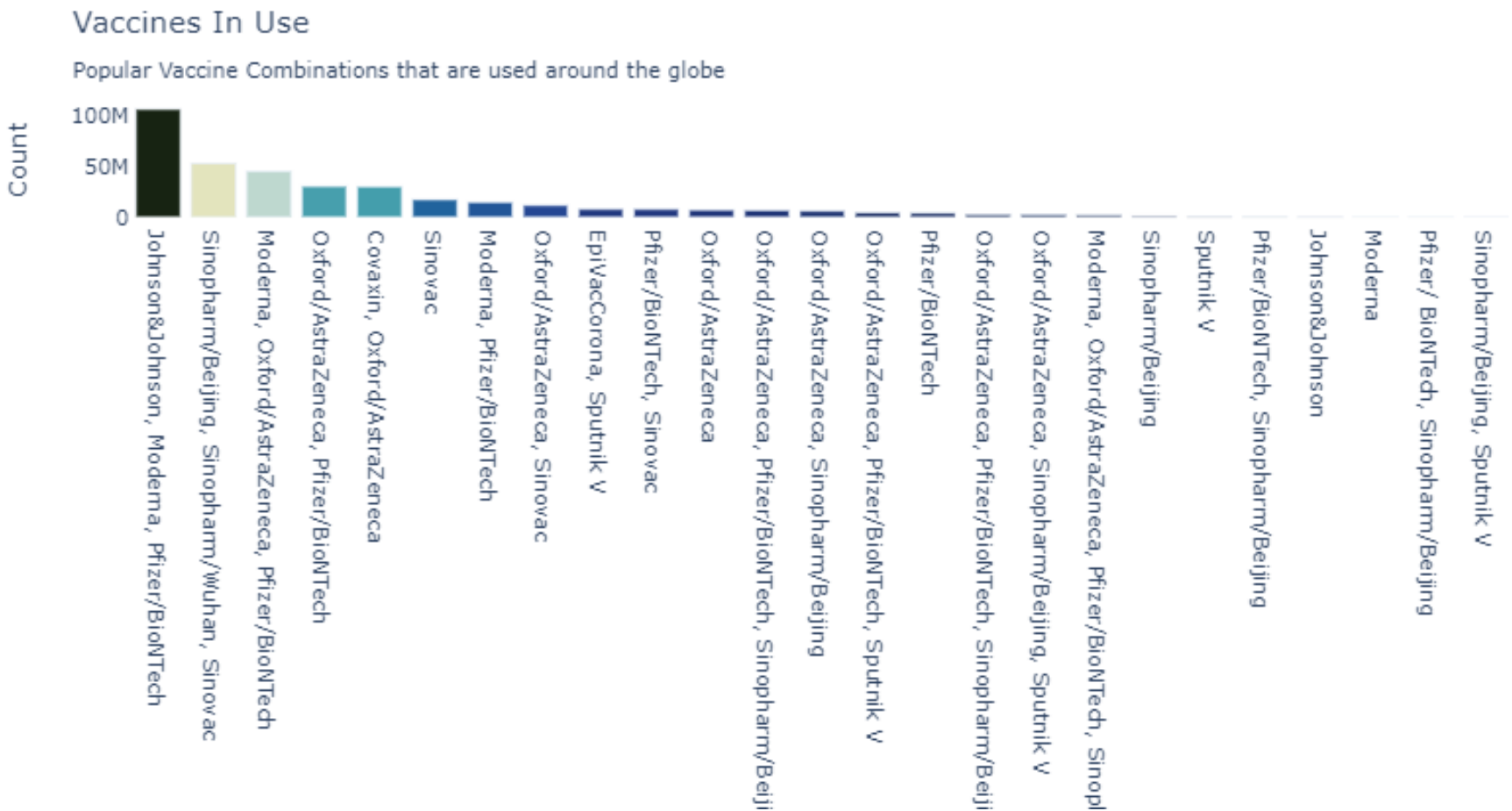
...

## Tested Positive

Fraction of people that tested positive among those that were tested



# Vaccine in Usage



# Critical Cases

## Serious or Critical Cases

Number of people who are currently critically ill due to Covid-19

