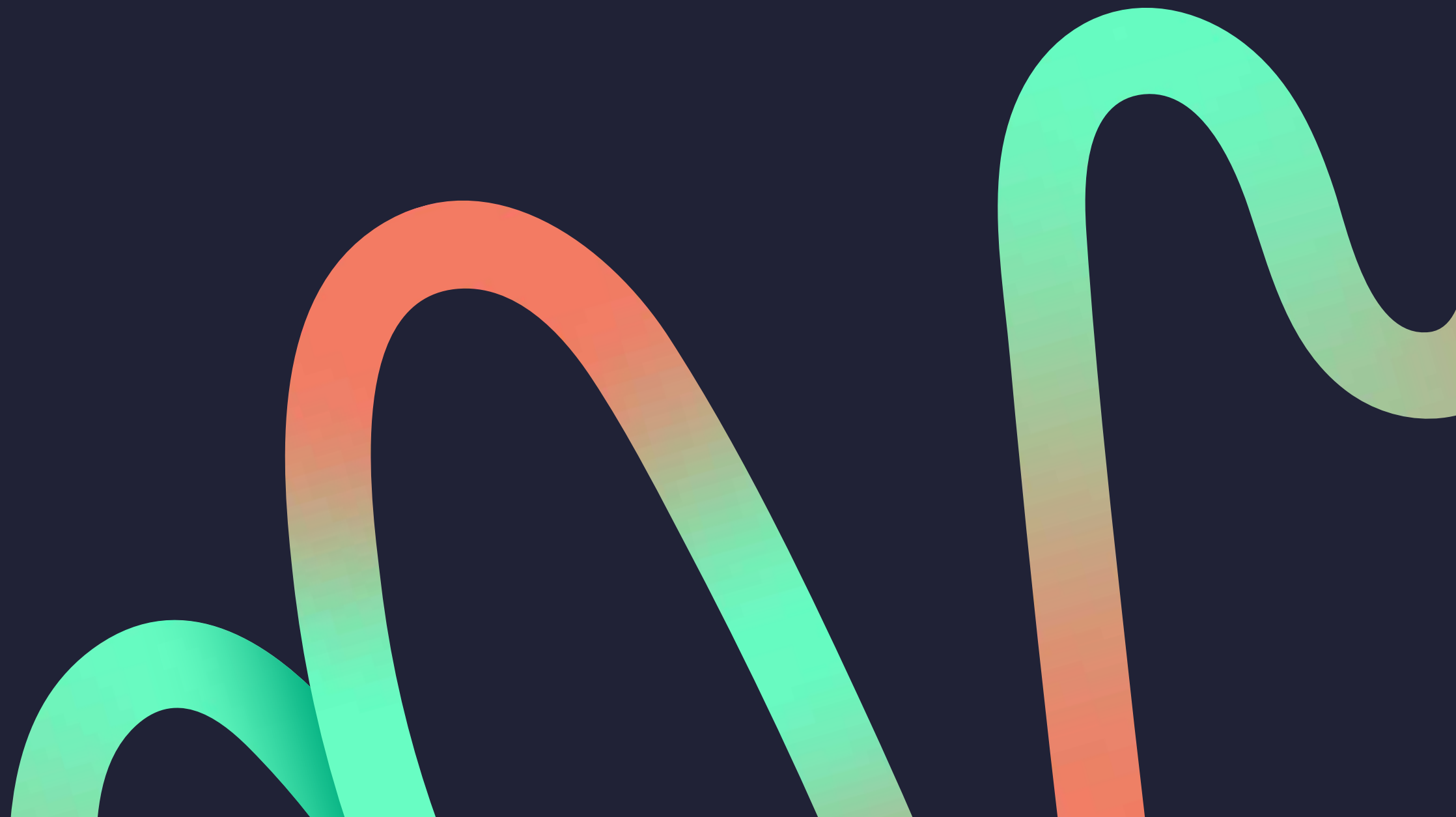


INTERNET AND GDP

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6509918





What I analyzed

- Internet, Cellular and broadband subscriptions
- GDP, GDP per capita
- Relations between them

Raw Datas

	Entity	Code	Year	Cellular Subscription	Internet Users(%)	No. of Internet Users	Broadband Subscription
0	Afghanistan	AFG	1980	0	0	0	0
1	Afghanistan	AFG	1981	0	0	0	0
2	Afghanistan	AFG	1982	0	0	0	0

Entity	Code	Year	GDP (constant 2015 US\$)	0	0	0
				0	0	0

Afghanistan	AFG	2002	7228792320
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Afghanistan	AFG	2003	7005050000
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Entity	Code	Year	GDP per capita, PPP (constant 2017 international \$)
Afghanistan	AFG	2002	1189.78466796875

Afghanistan	AFG	2003	1235.81005859375
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Afghanistan	AFG	2004	1200.2779541015600
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Afghanistan	AFG	2005	1286.793701171880
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Afghanistan	AFG	2006	1315.7890625
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Dataframe I used

Entity	Code	No. of internet users	Internet User (%)	Cellular Subscription	Broadband Subscription	GDP	GDP growth	GDP per capita
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Methodology

Bar Graphs

Line Graphs

Heatmaps

Tables

Choropleth

Violin Plot



Implementation

1

Combine three raw data tables
into one

2

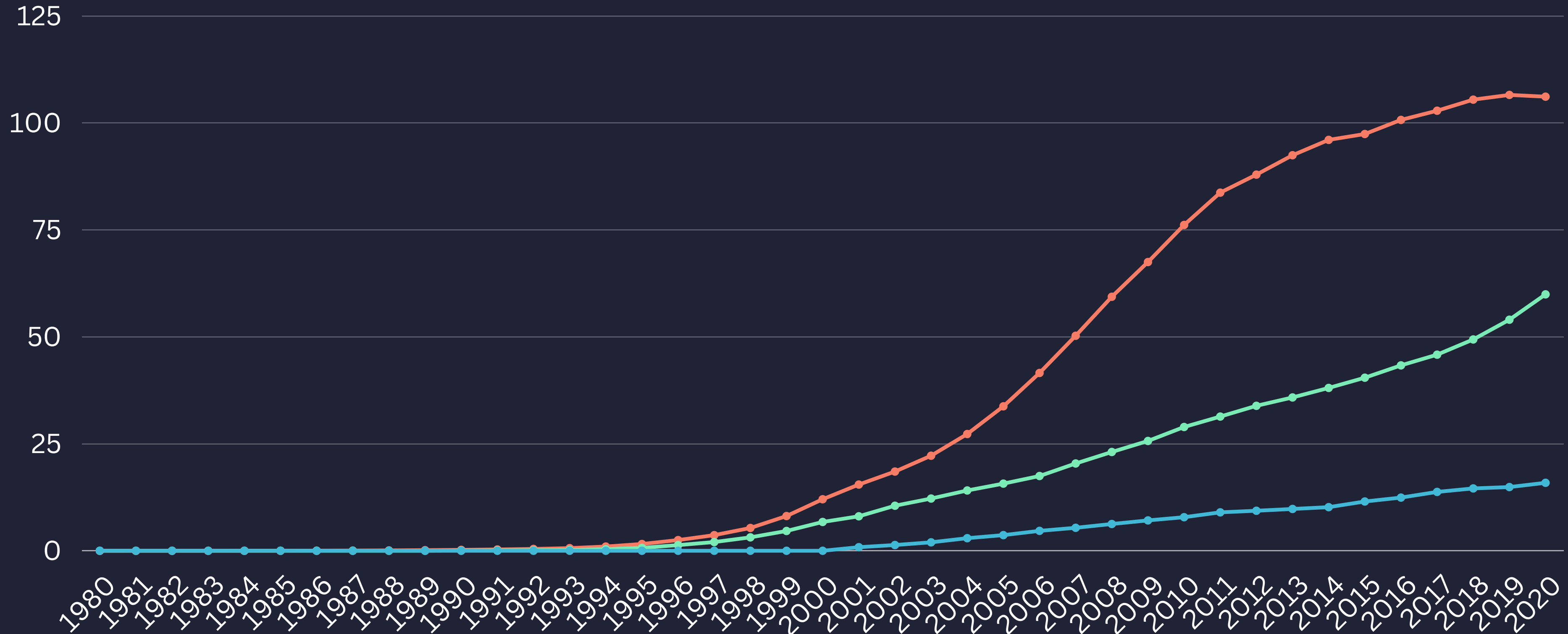
Implement codes to produce
tables and graphs

3

Analyze those tables and
graphs

Internet Usage of the world

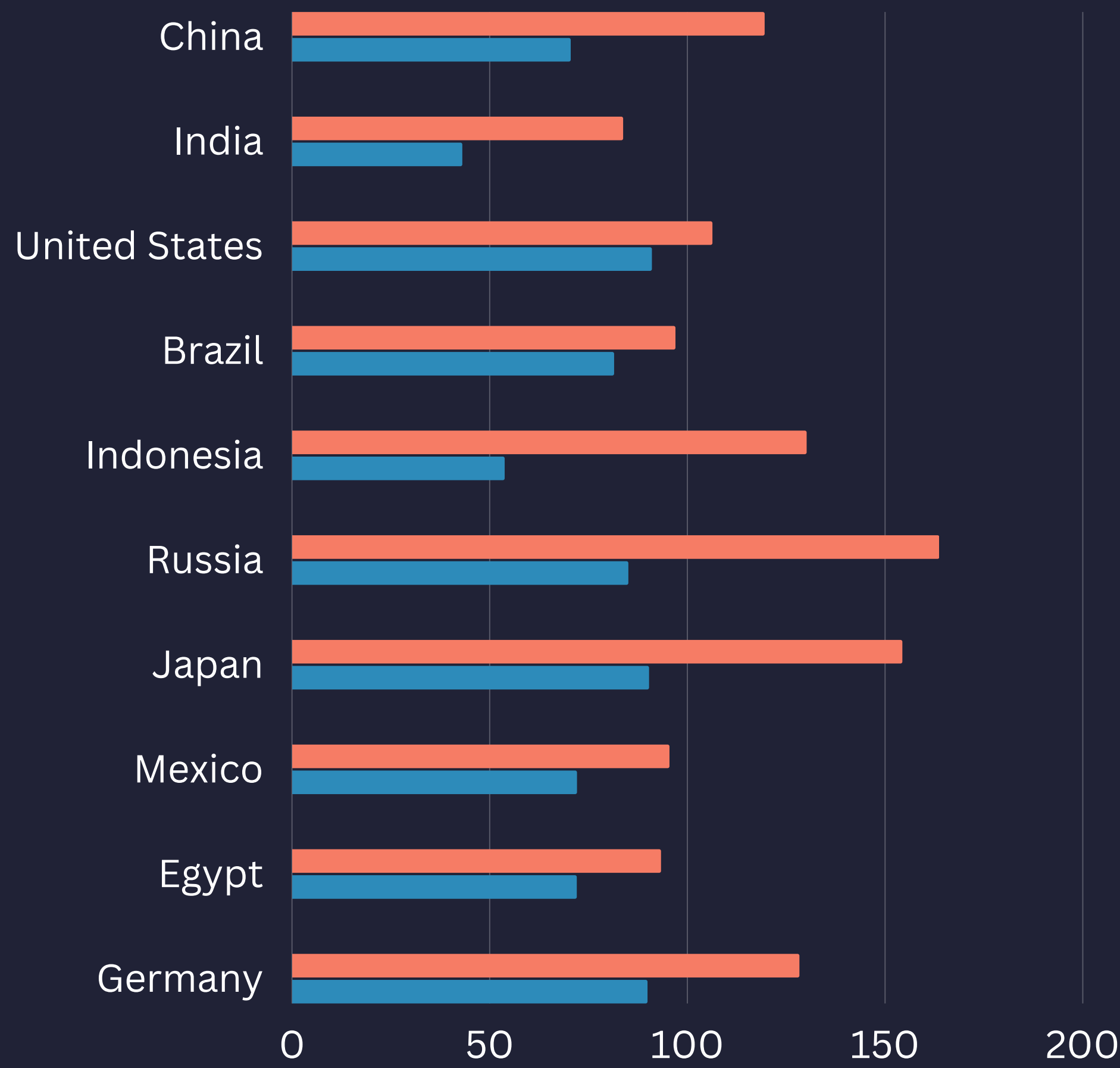
Cellular Subscription Internet Users (%) Broadband Subscription



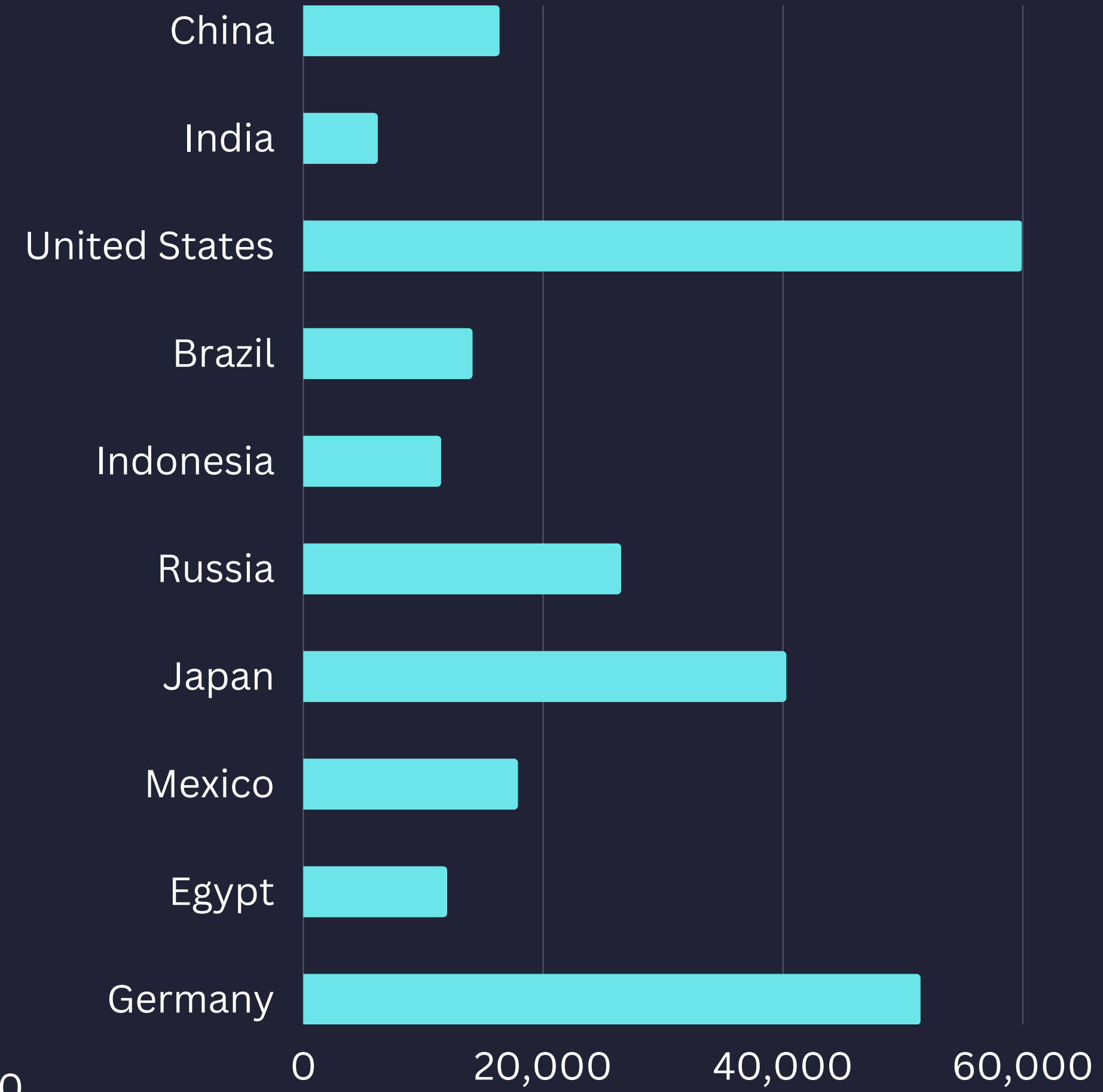
Top 10 Countries with the Largest Internet User Bases

Entity	Code	Year	Cellular Subscription	Internet Users(%)	No. of Internet Users	Broadband Subscription	GDP (constant 2015 US\$)	GDP_growth	GDP per capita
China	CHN	2020	119.390160	70.404778	1.003219e+09	33.595604	1.463184e+13	2.347514	16315.815430
India	IND	2020	83.601898	43.000000	6.004464e+08	1.663038	2.500132e+12	-7.251758	6165.746582
United States	USA	2020	106.185554	90.900002	3.053713e+08	36.608768	1.929448e+13	-3.404594	59919.820312
Brazil	BRA	2020	96.836349	81.342697	1.734196e+08	17.098593	1.749105e+12	-4.059050	14063.982422
Indonesia	IDN	2020	130.014511	53.726494	1.460598e+08	4.285633	1.027603e+12	-2.069546	11444.960938
Russia	RUS	2020	163.589340	84.994667	1.237670e+08	23.225018	1.416124e+12	-2.951271	26456.388672
Japan	JPN	2020	154.222290	90.219460	1.129951e+08	34.789707	4.380757e+12	-4.585511	40232.210938
Mexico	MEX	2020	95.319763	71.968193	9.067870e+07	17.013622	1.148749e+12	-8.309042	17852.359375
Egypt	EGY	2020	93.182182	71.914200	7.728269e+07	9.136193	4.122460e+11	3.569672	11951.447266
Germany	DEU	2020	128.186859	89.812943	7.484022e+07	43.224636	3.435817e+12	-4.569620	51423.234375

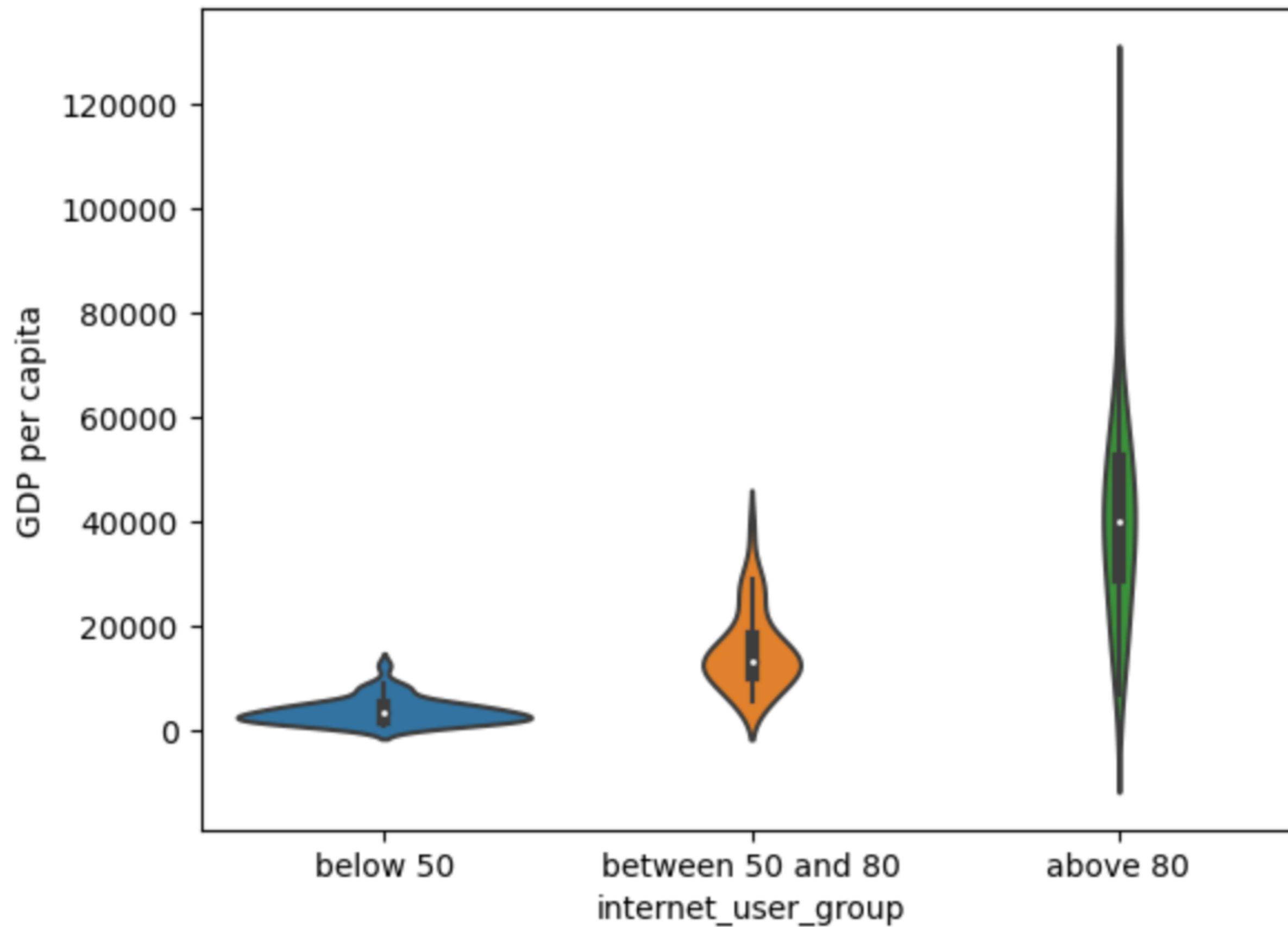
Cellular Subscription (%)
Internet Users (%)



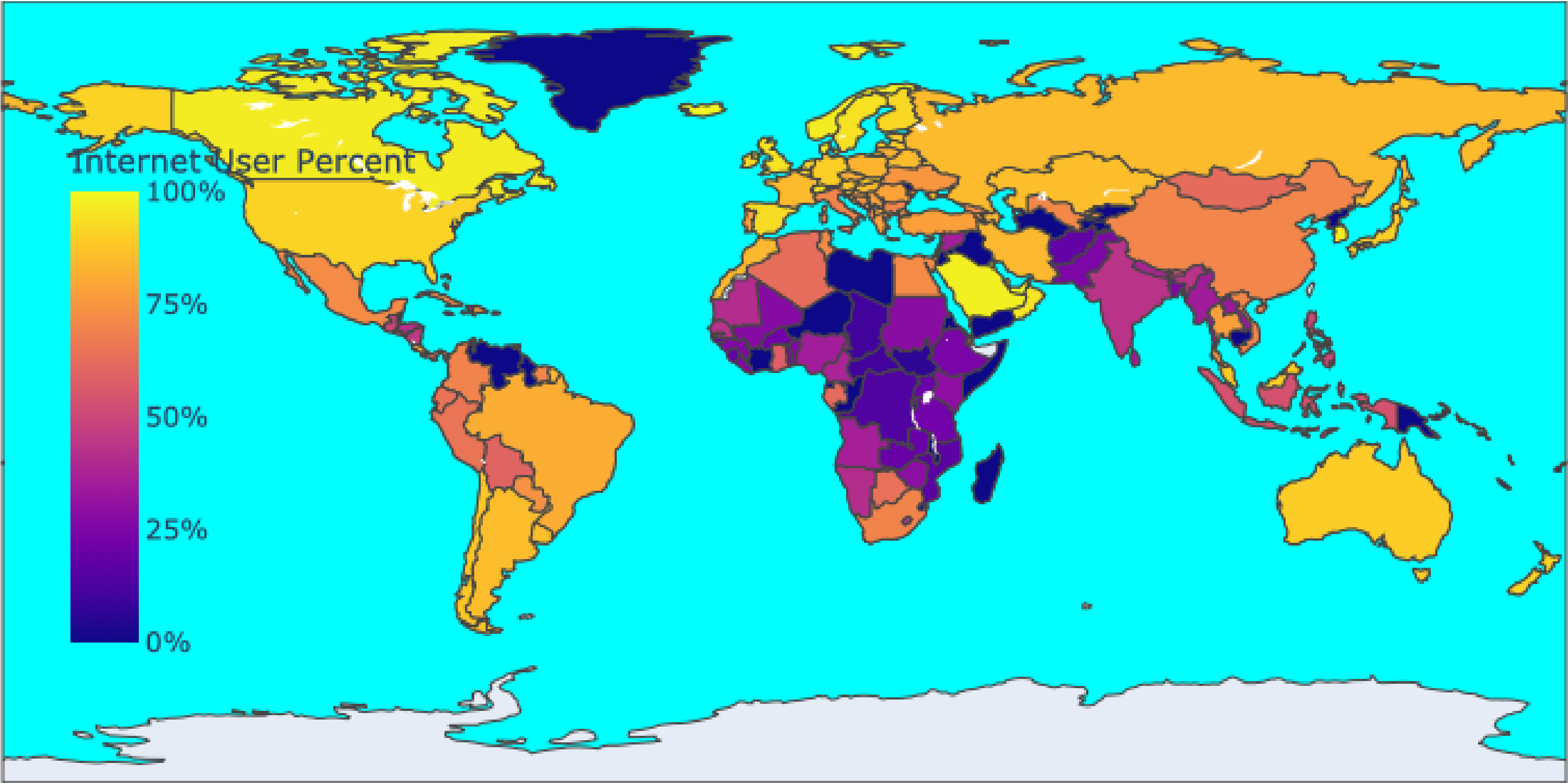
GDP per capita



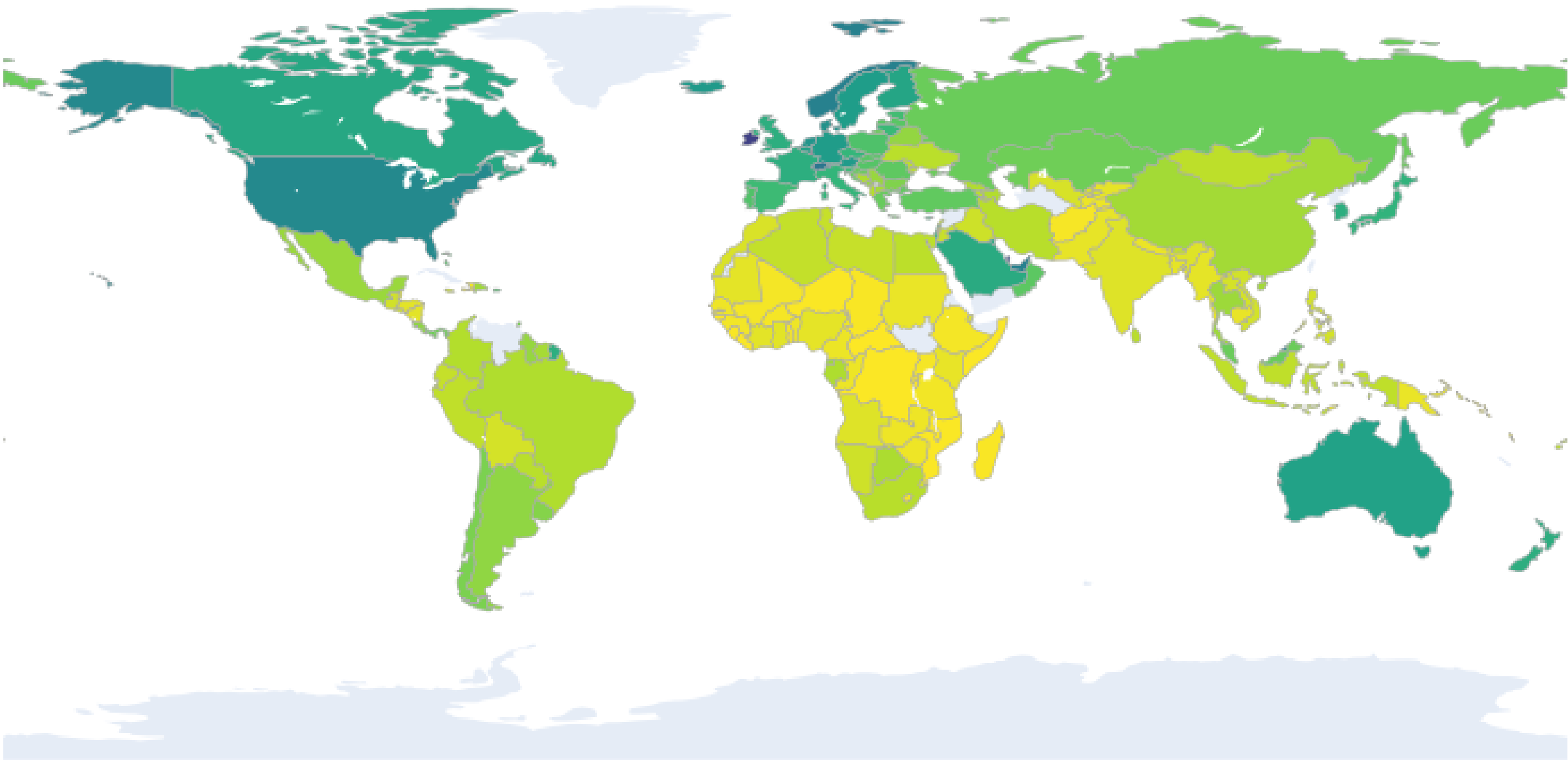
Violin Plot of GDP per Capita by Internet User Group in 2020



Internet User Percent by Country



GDP per capita



GDP
per capita

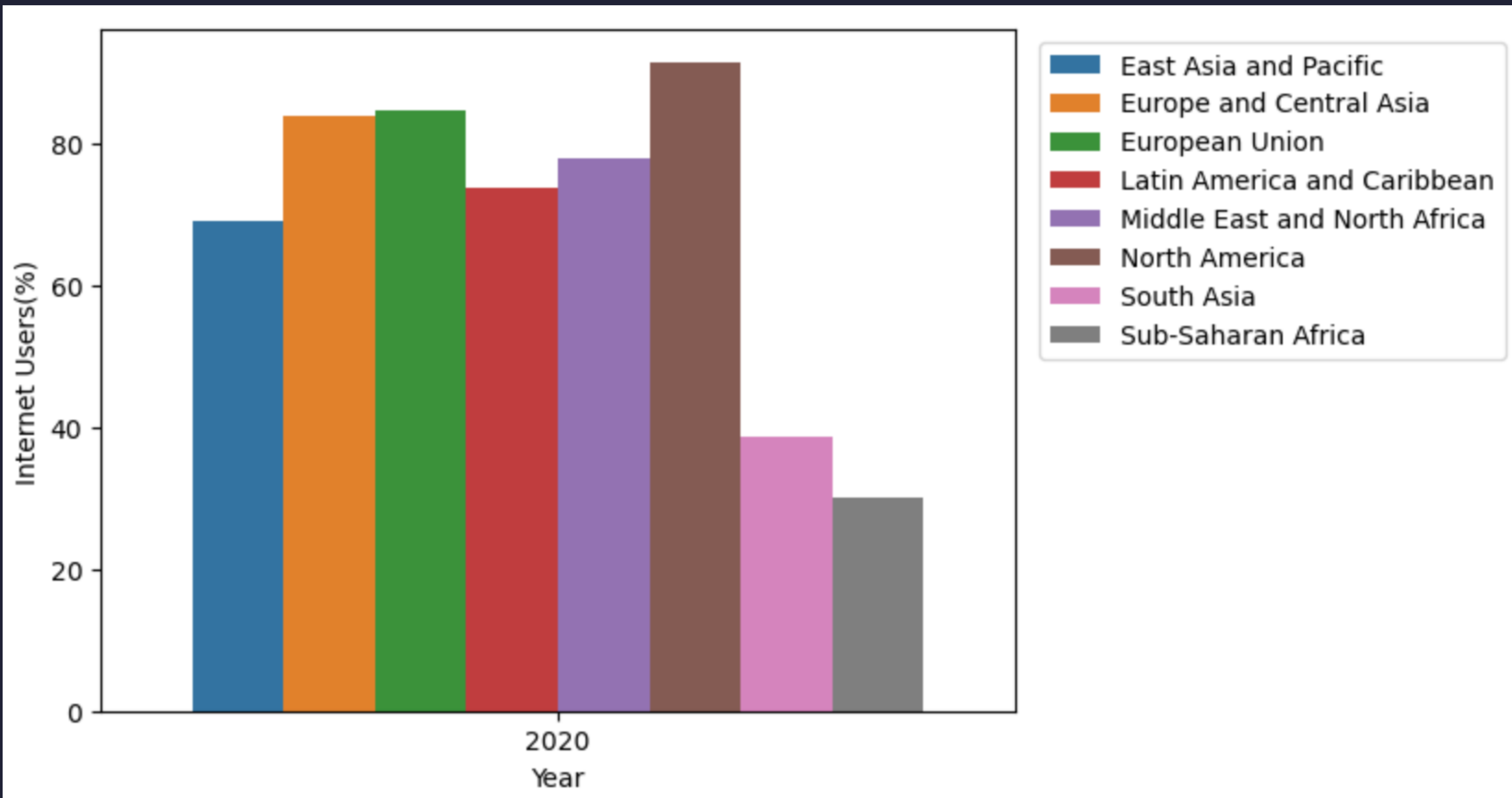
\$100k

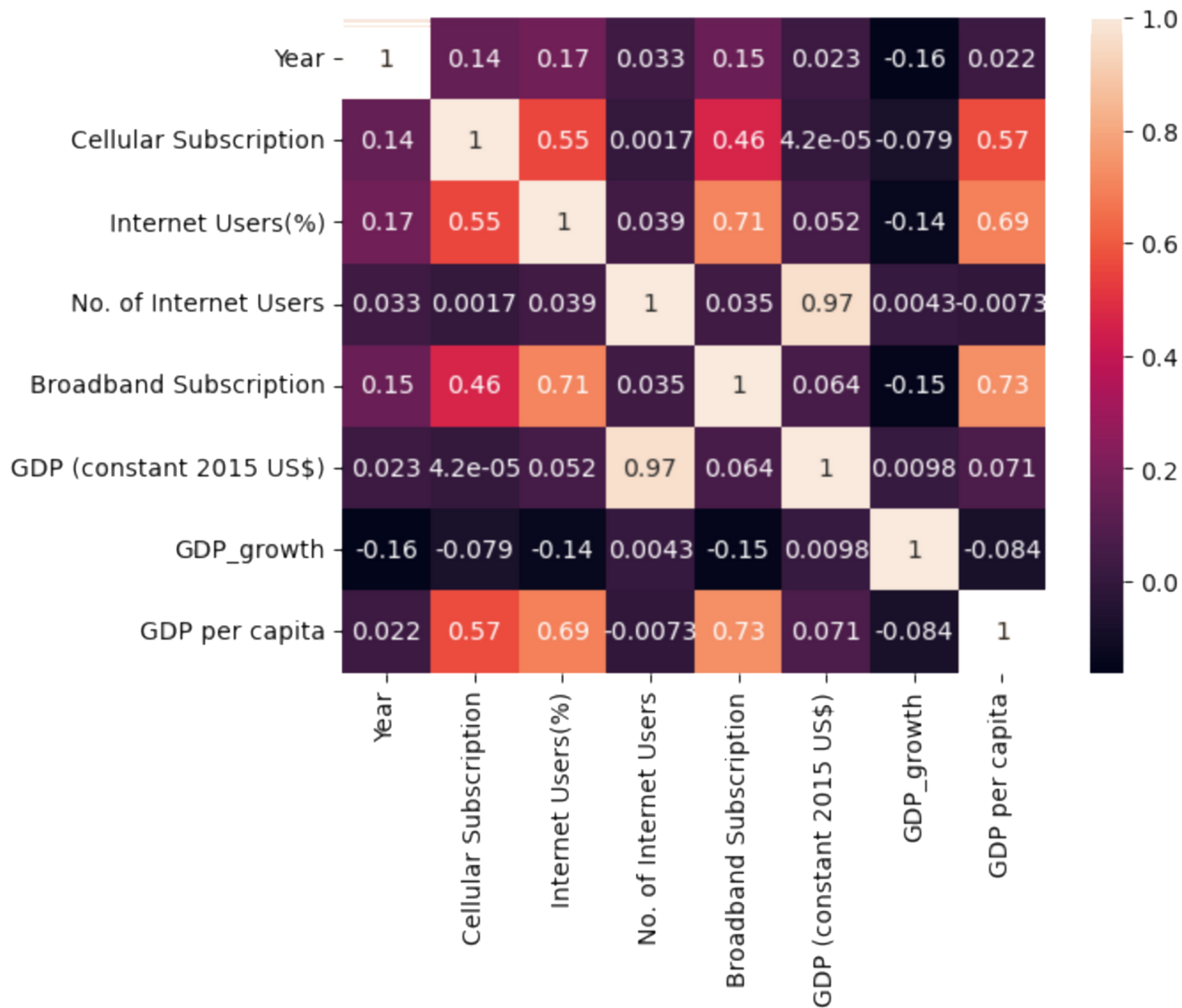
\$80k

\$60k

\$40k

\$20k





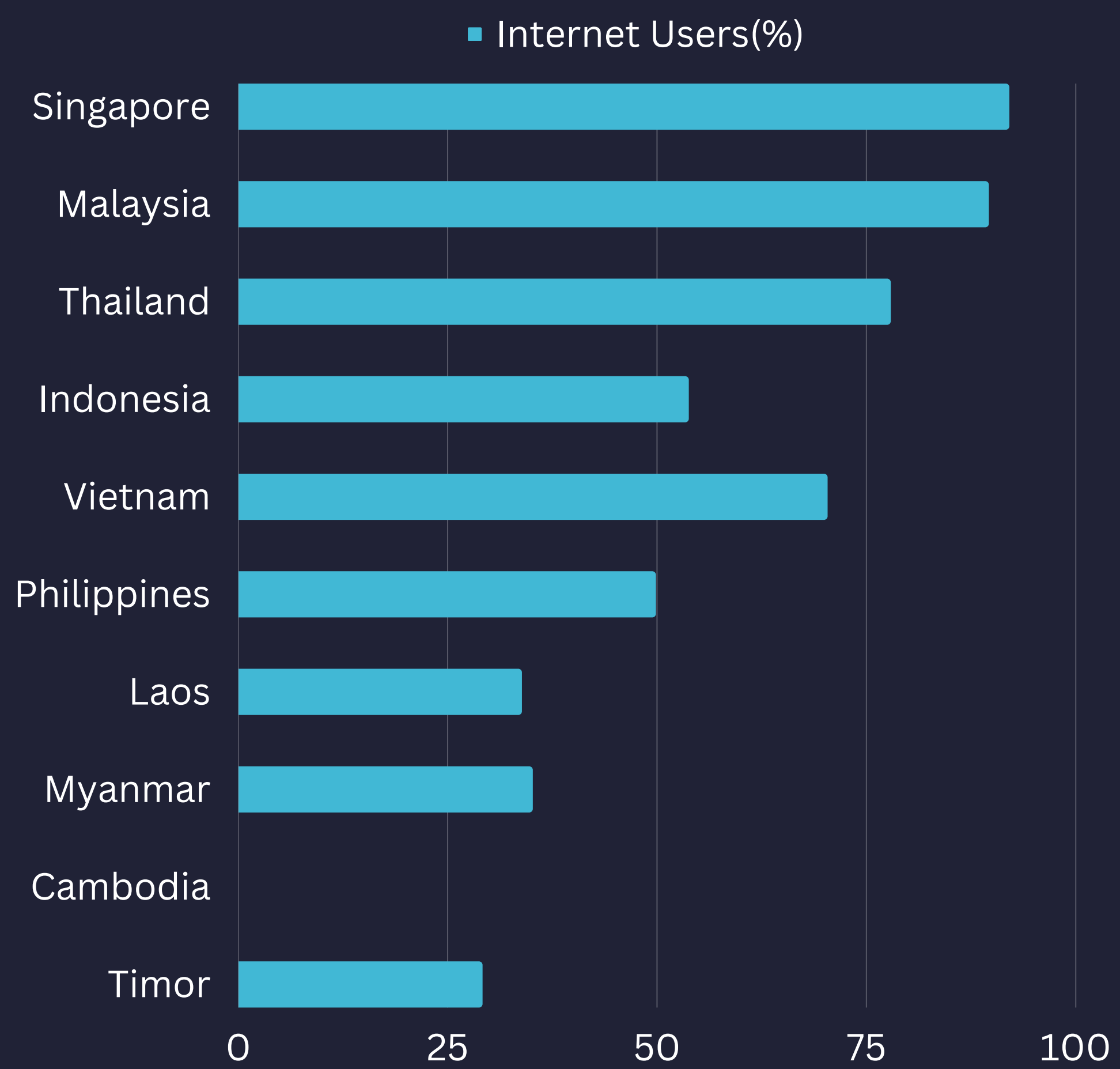
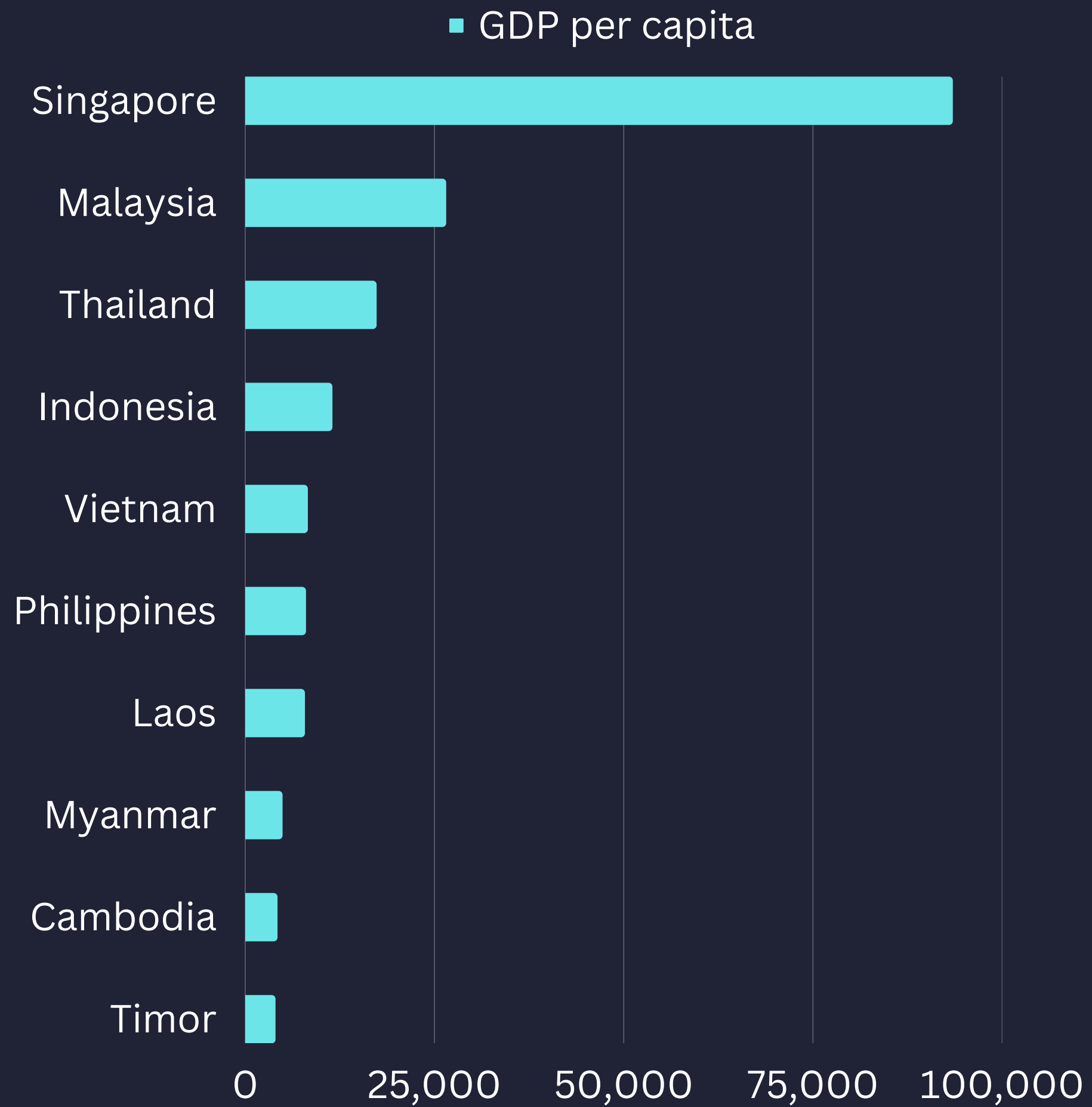
What I found

high correlation between GDP per capita and percentages of internet users, cellular subscription and broadband subscription.

Correlation heatmap of the data

ASEAN countries and their data

Entity	GDP per capita	Internet Users(%)
Singapore	93397.046875	92.004349
Malaysia	26471.673828	89.555016
Thailand	17284.701172	77.843742
Indonesia	11444.960938	53.726494
Vietnam	8200.332031	70.300003
Philippines	7953.581543	49.799999
Laos	7810.734863	33.799999
Myanmar	4857.389648	35.099998
Cambodia	4191.566406	0.000000
Timor	3925.948242	29.100000



Conclusion



GDP per capita and internet users percent has strong correlation and we can see this in the infographics shown above.

However, internet user percent in the world continues to grow and it might surpasses 75 percent in a few year.

Further Research

Research population datas and find more relations
Analyze data of a globally popular browser like google
to gain an idea of people's interest, preferences and
analyze those.





THANK YOU!