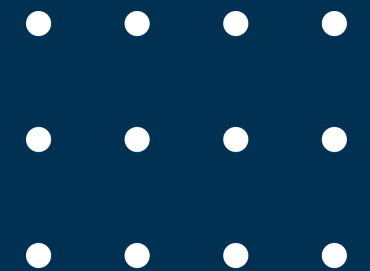
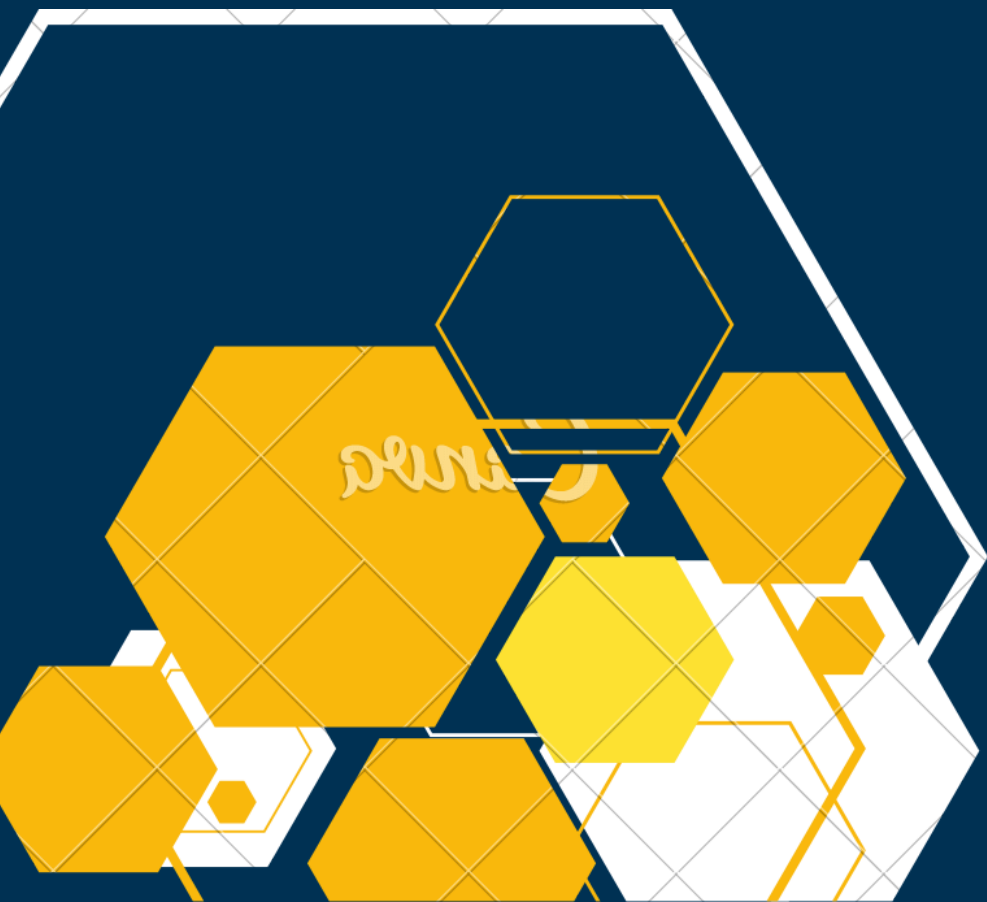


DS116 - Data Visualisation

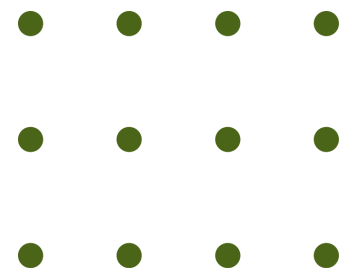
Group Project

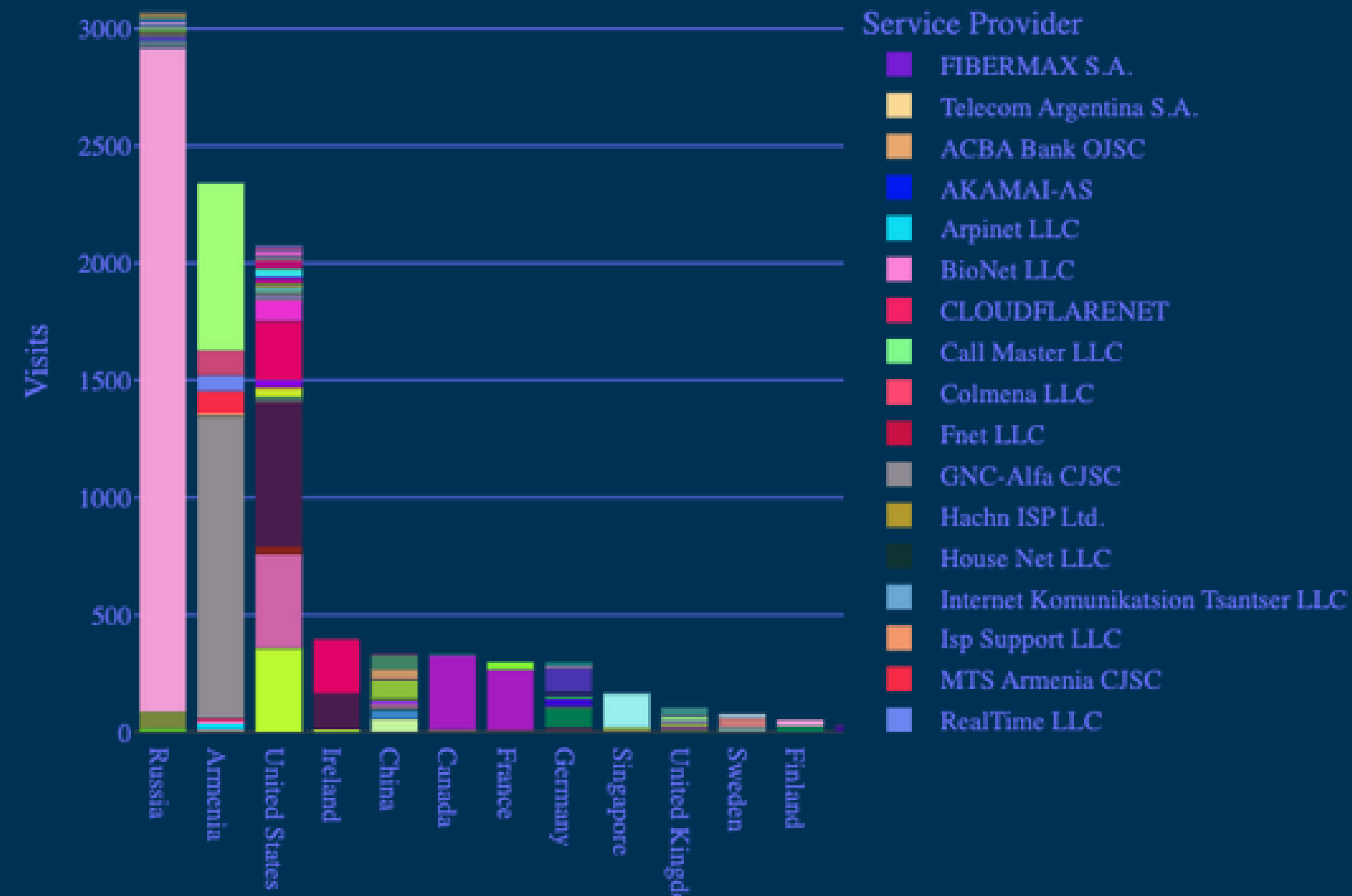
Mher Movsisyan, Artur Avagyan, Irena, Torosyan



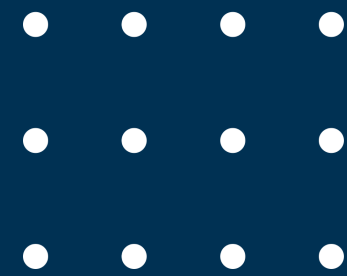
Hypothesis 1

Countries with comparably higher rates of totalitarianism have less service provider companies with significant share in the market.



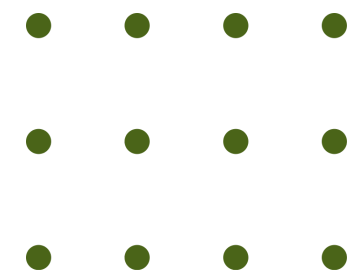
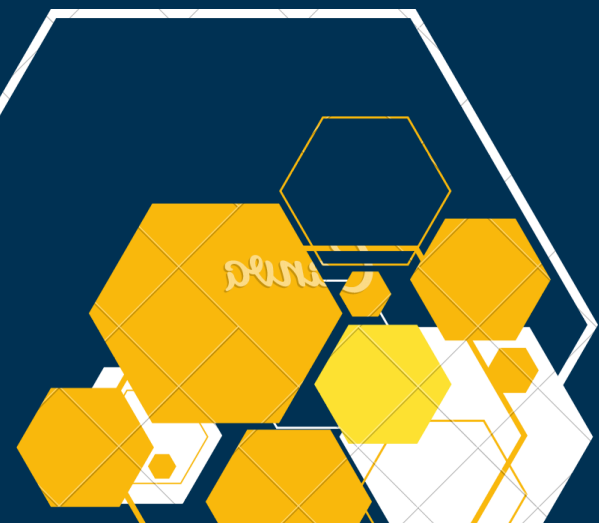


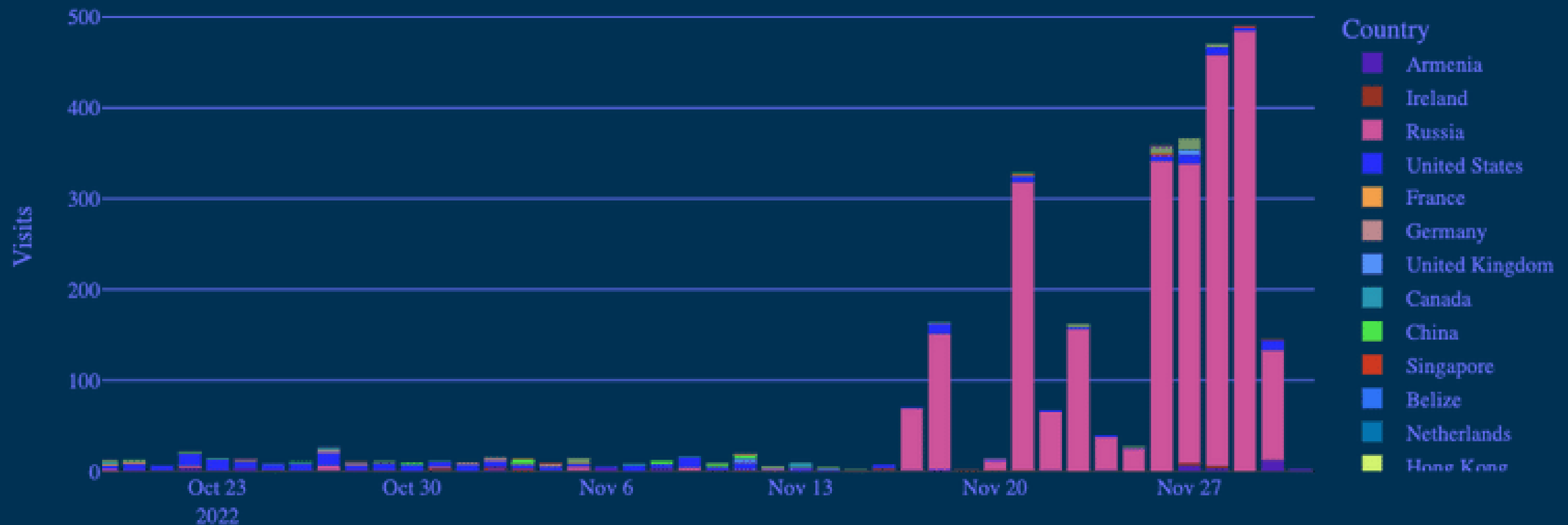
For example, we can observe that in Russia the majority of the market uses the services of a single provider, while, in the US a variety is observed.



Hypothesis 2

The proportion of the visitors by country does not depend on the time period.

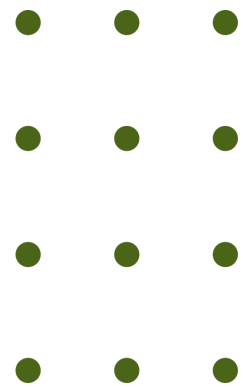


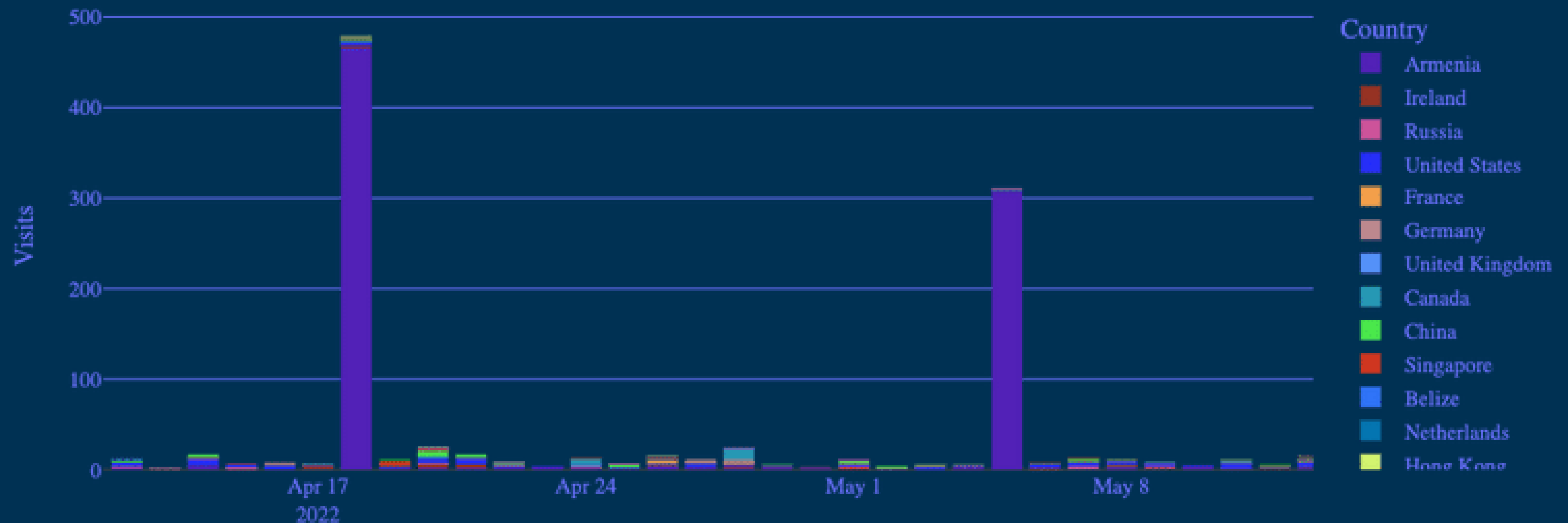


We can observe that the hypothesis is wrong by looking at the recent data from the end of November. The anomaly coincides with a new marketing strategy directed towards wealthy immigrants in Armenia who came from Russia

Hypothesis 3

Promotions have a good short term effect but it is not longlasting.



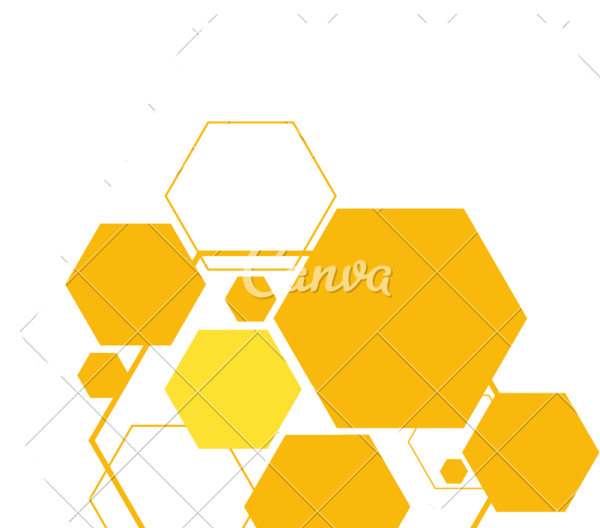
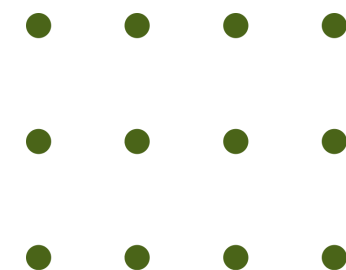


The interest created by promotions has quickly disapearned.

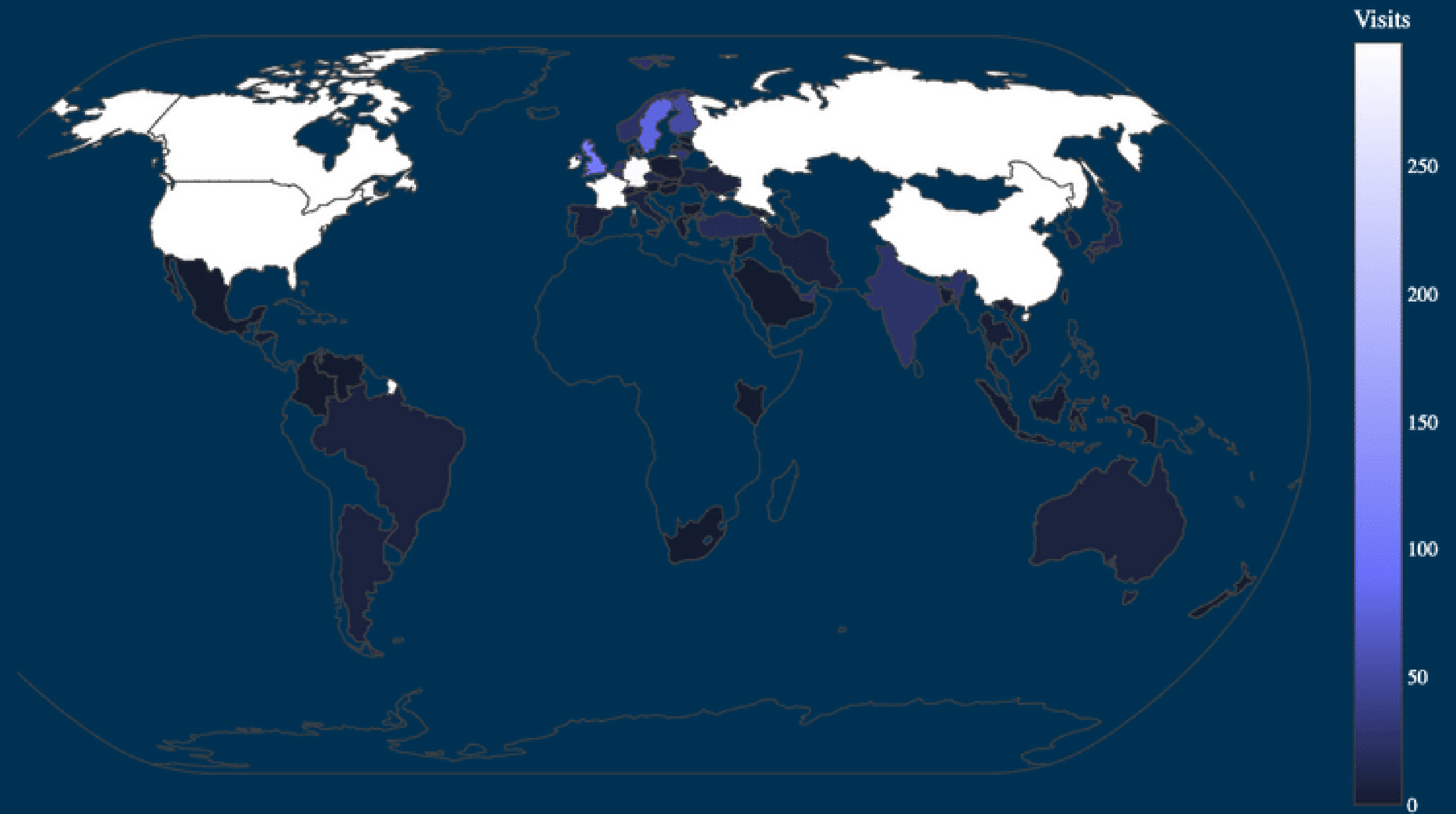


Hypothesis 4:

The main traffic of the website is coming from the G7.

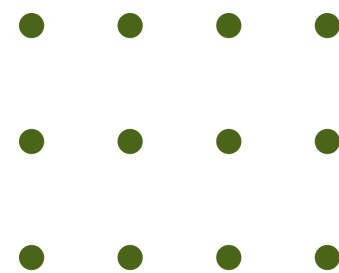
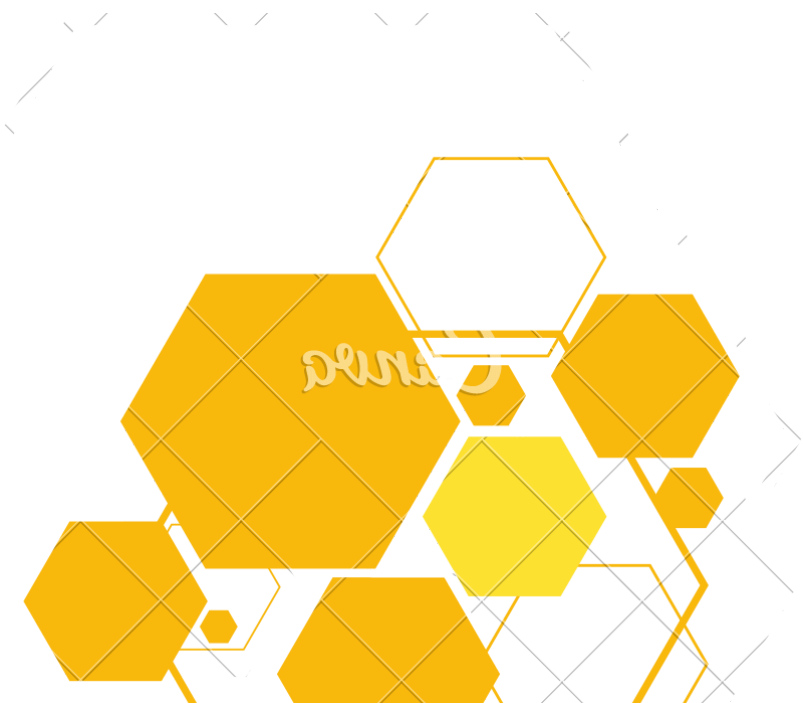


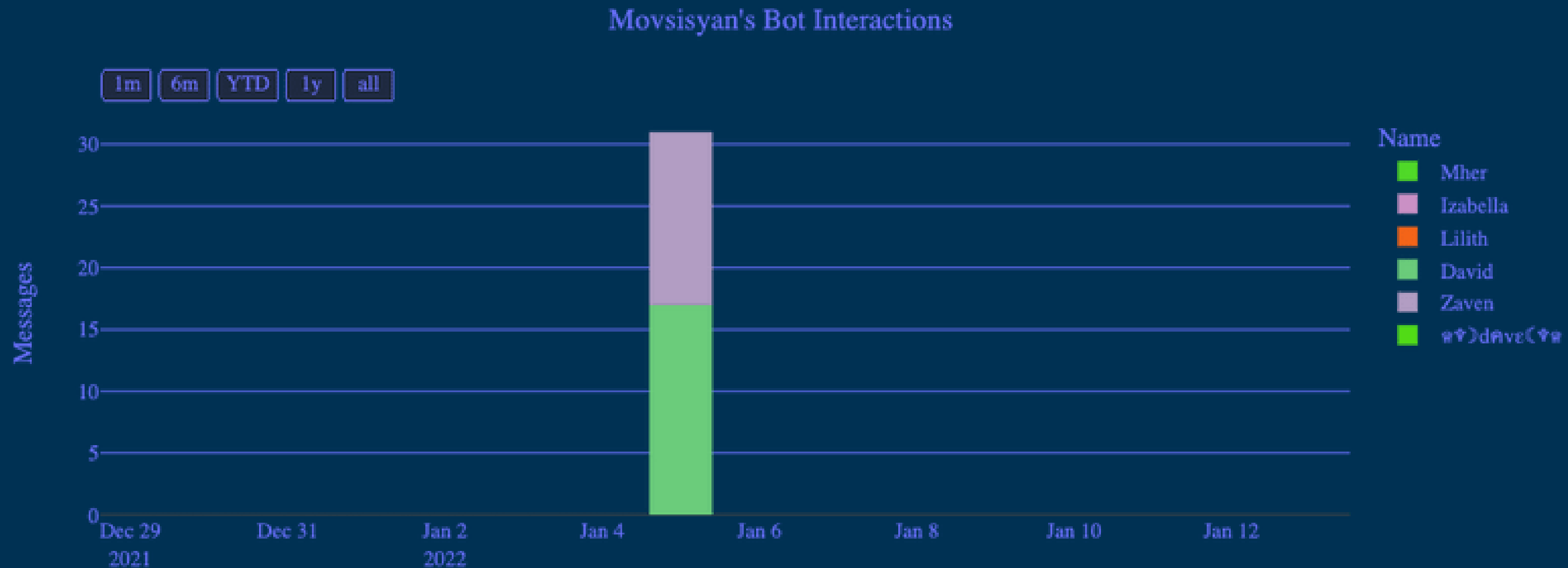
While the hypothesis is partially true, there is a significant traffic coming from Ireland, Russia and China as well. The significant traffic coming from Armenia can be explained by the nationality of Mher.



Hypothesis 5

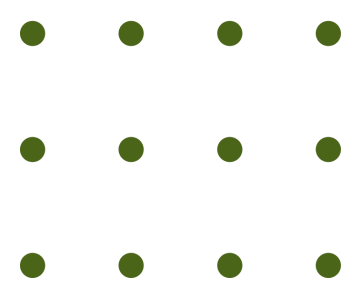
Mher's friends are responsive to his requests.





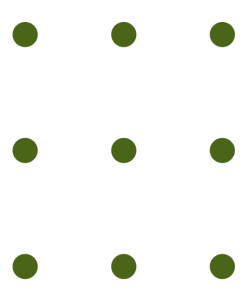
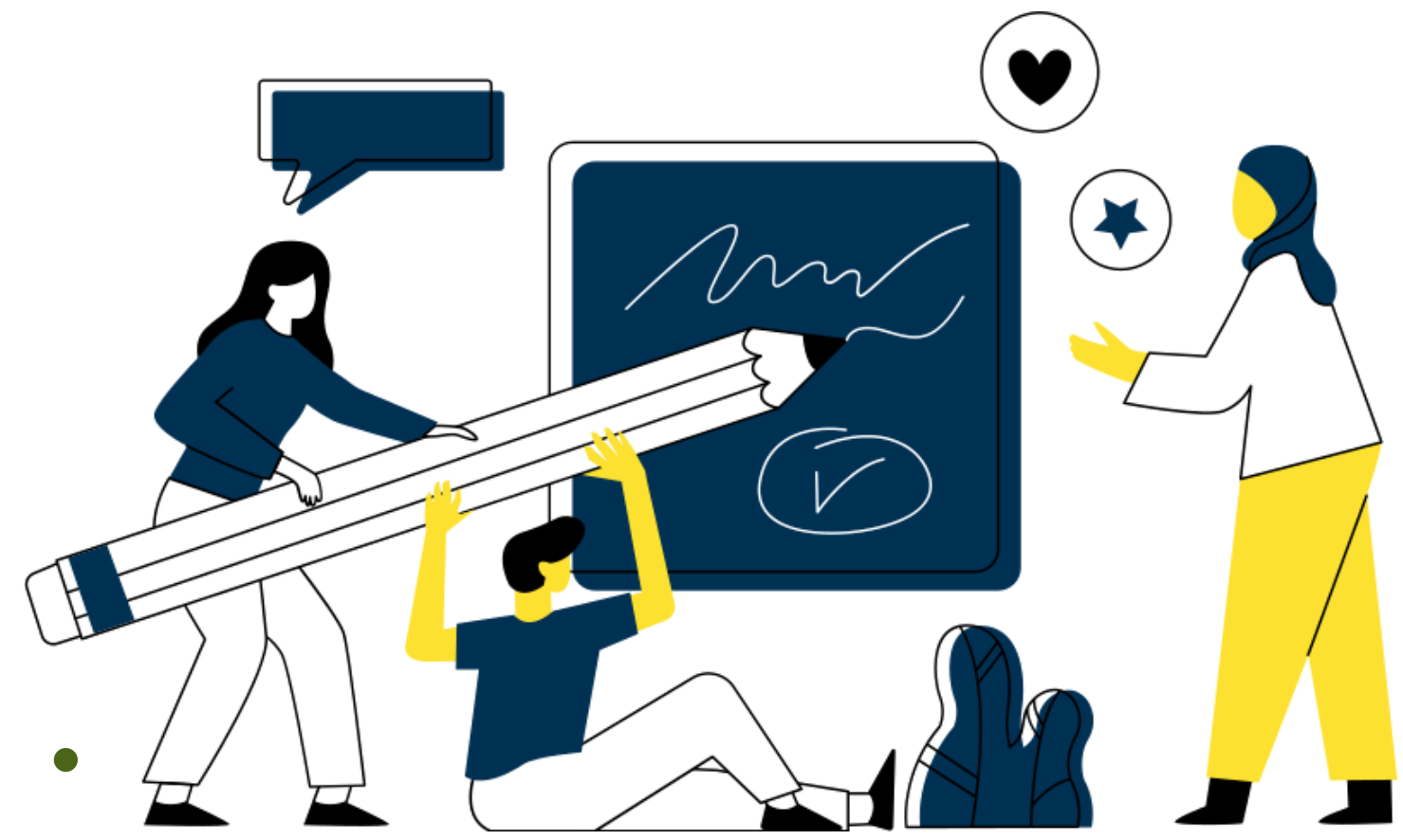
On January 5th 2022 Mher asked his friends to help him check if the telegram bot records the responses properly. Unfortunately, 4 out of 6 of his friends brutally ignored his request. Mher needs new friends now. To become his friend send a message to the telegram bot.

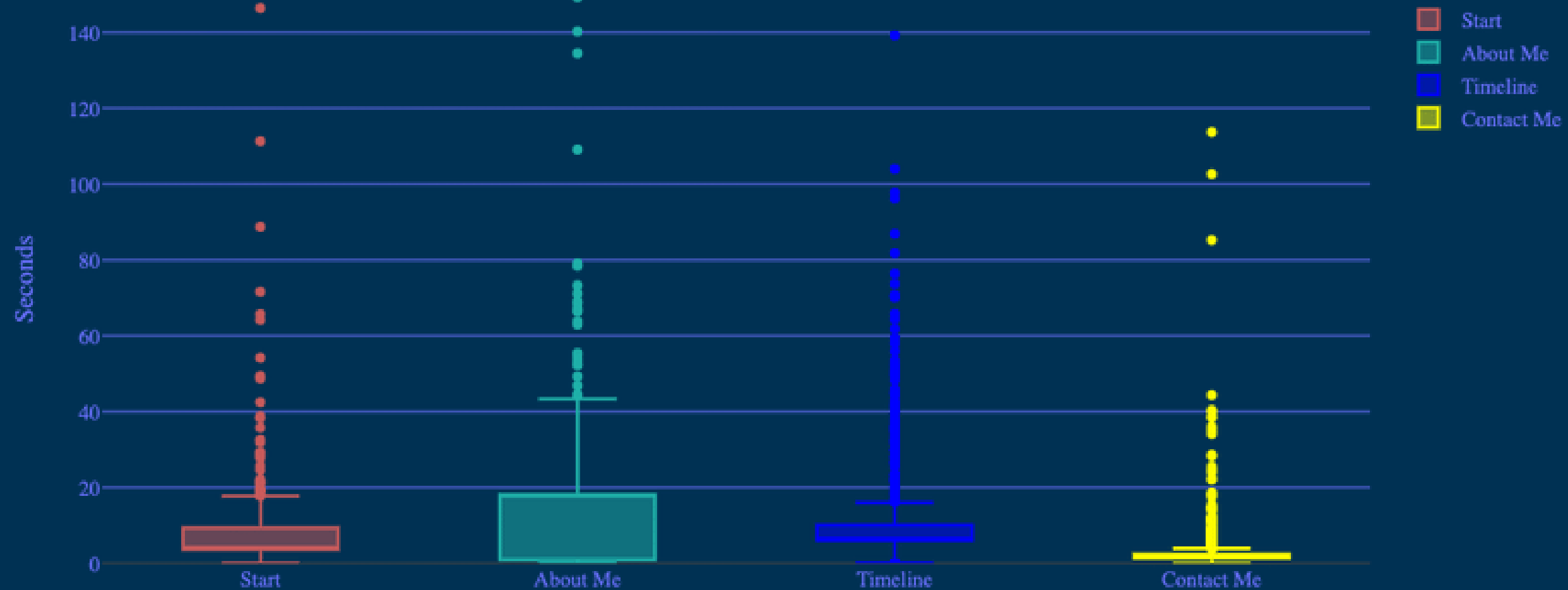
@MovsisyansBot



Hypothesis 6

Many scrapers visit the website.

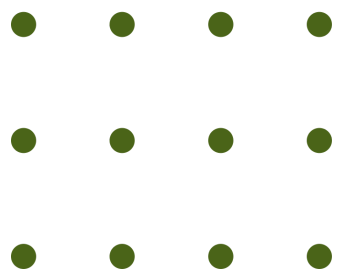
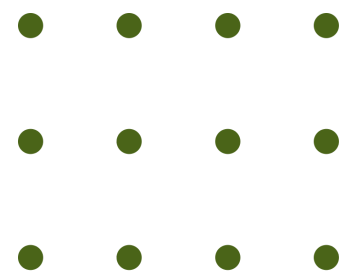
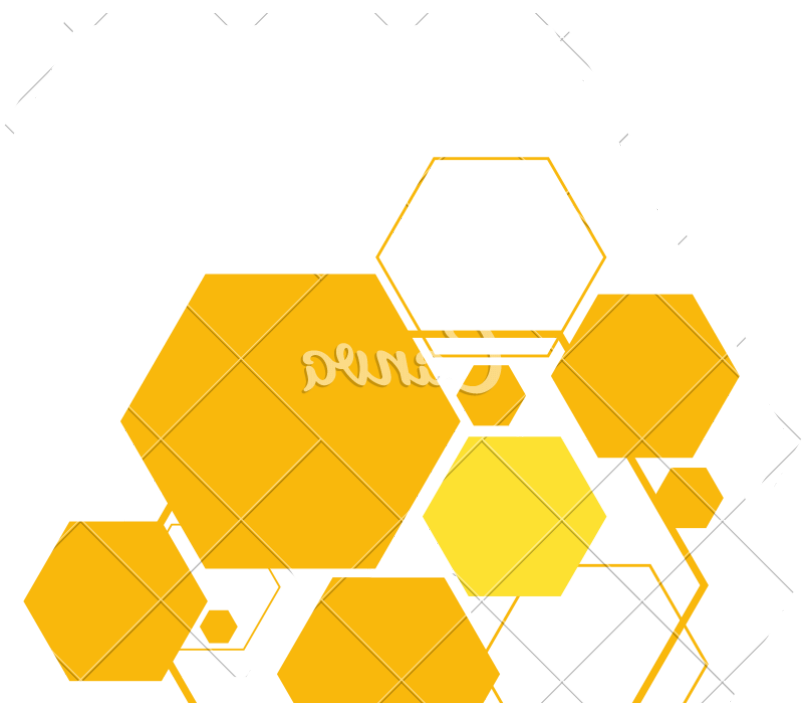


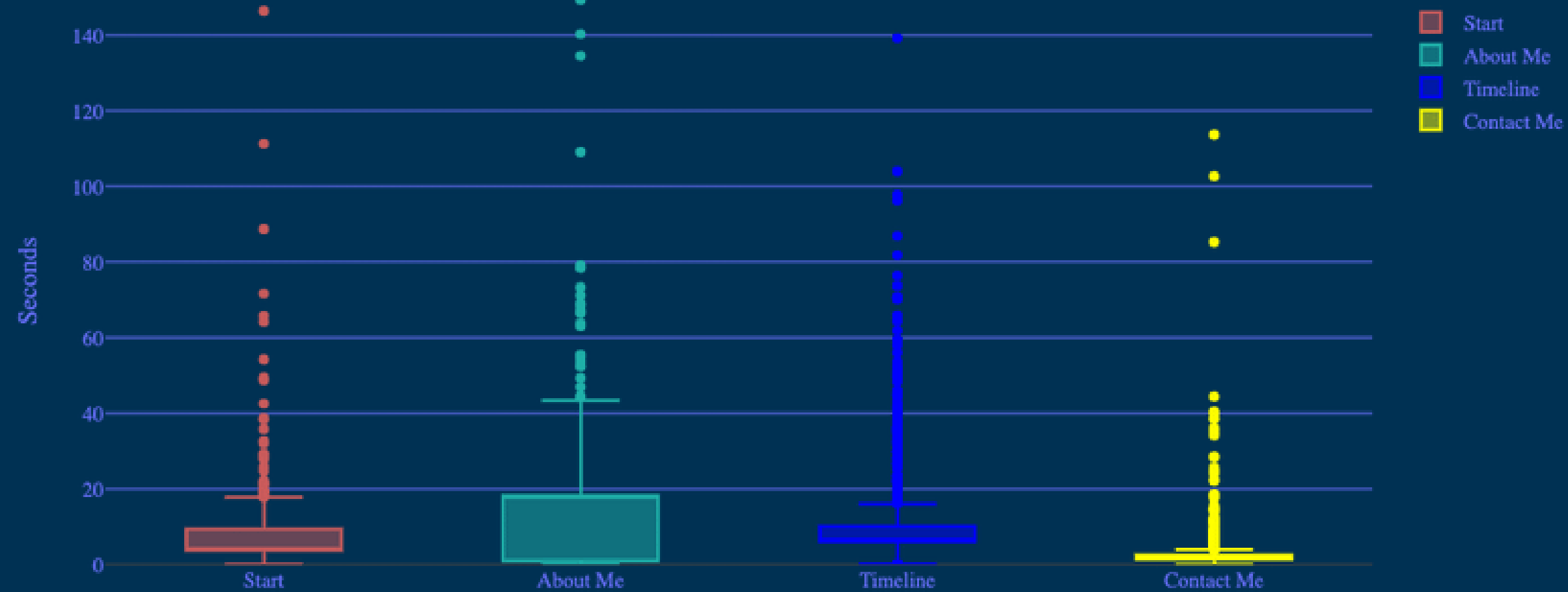


Since the main box plots' centers are very close to 0 we conclude that the most visitors don't spend almost any time on the website and conclude that we have many bots scraping the data.

Hypothesis 7

"About Me" is the most interesting section of the website.

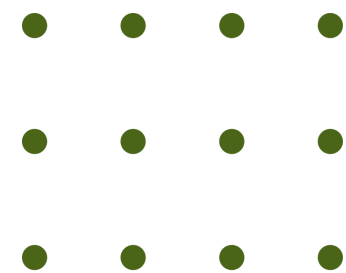
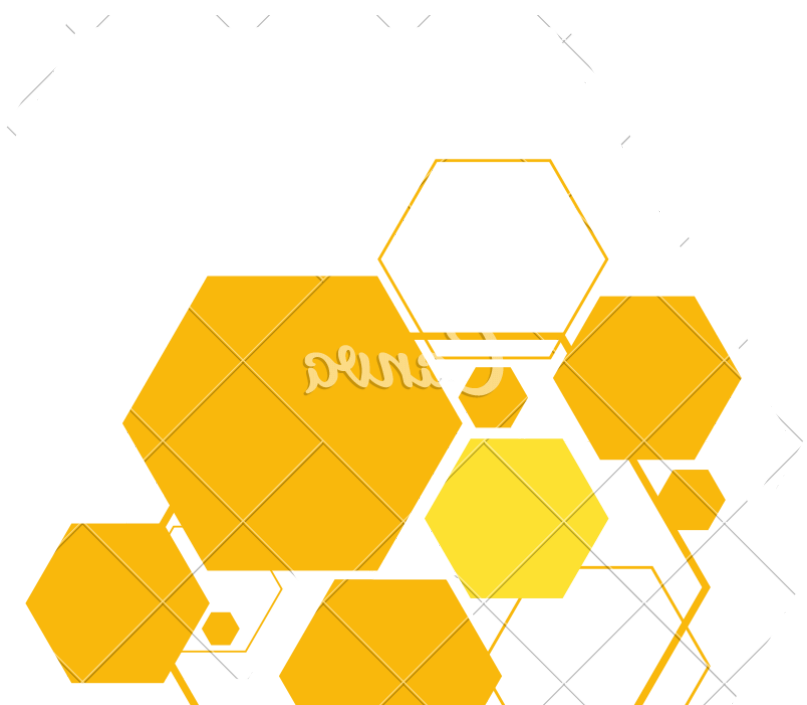
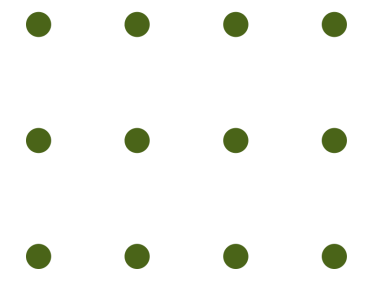


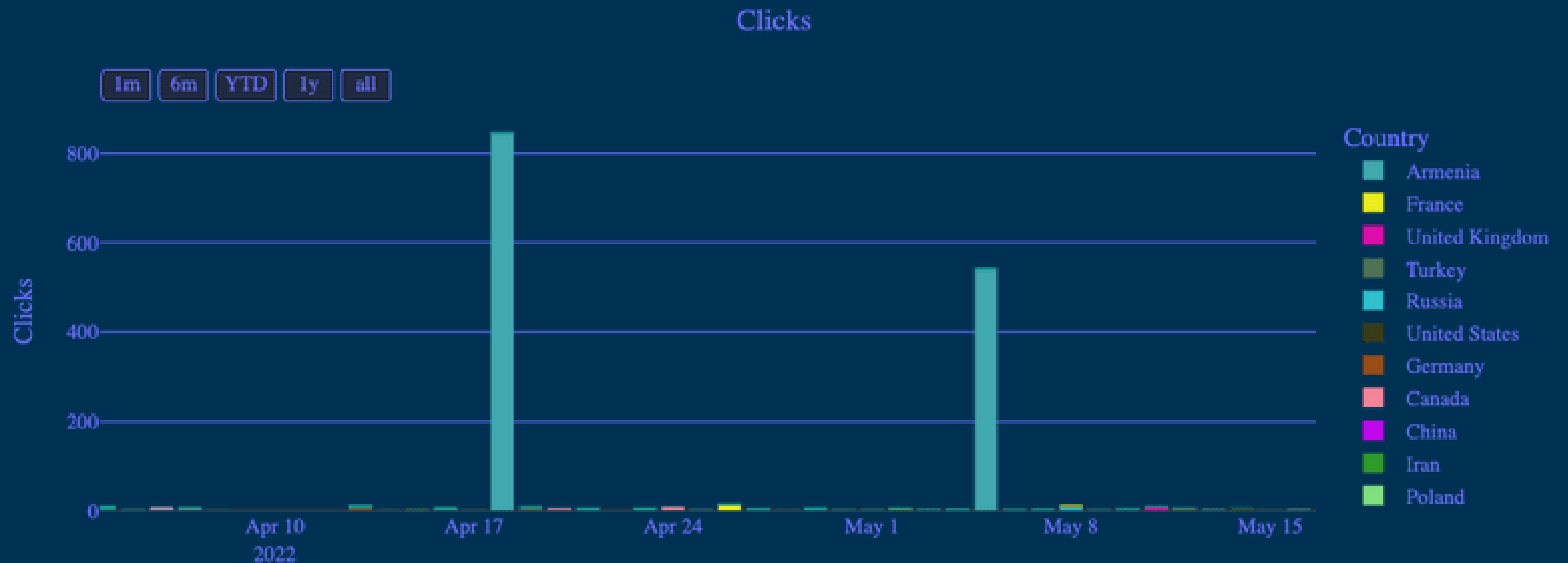


Even though there are many outliers, the box plot of the corresponding section has the highest median. This means that the visitors that are actual humans spent the most time on this section.

Hypothesis 8

Promotions on social media result in significant difference in the number of clicks

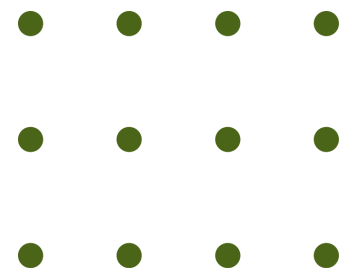




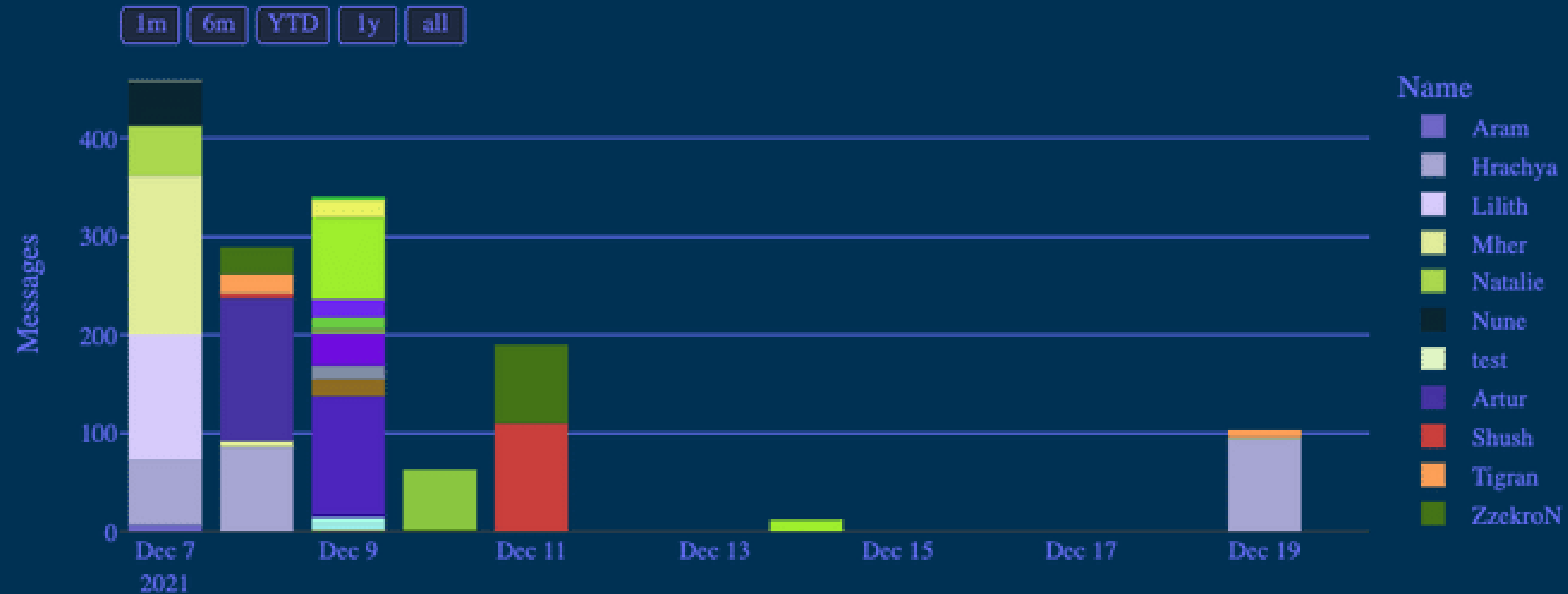
The website was promoted on Facebook and Instagram in the middle of April and the beginning of May. The raise in the number of clicks is drastic.

Hypothesis 9

The information that people want to share can be fitted into a single message.



Mountainous Wind Bot Interactions

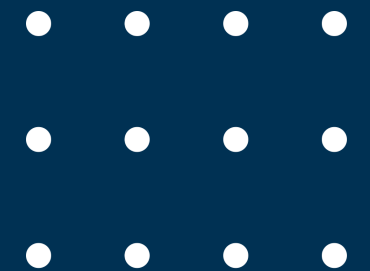
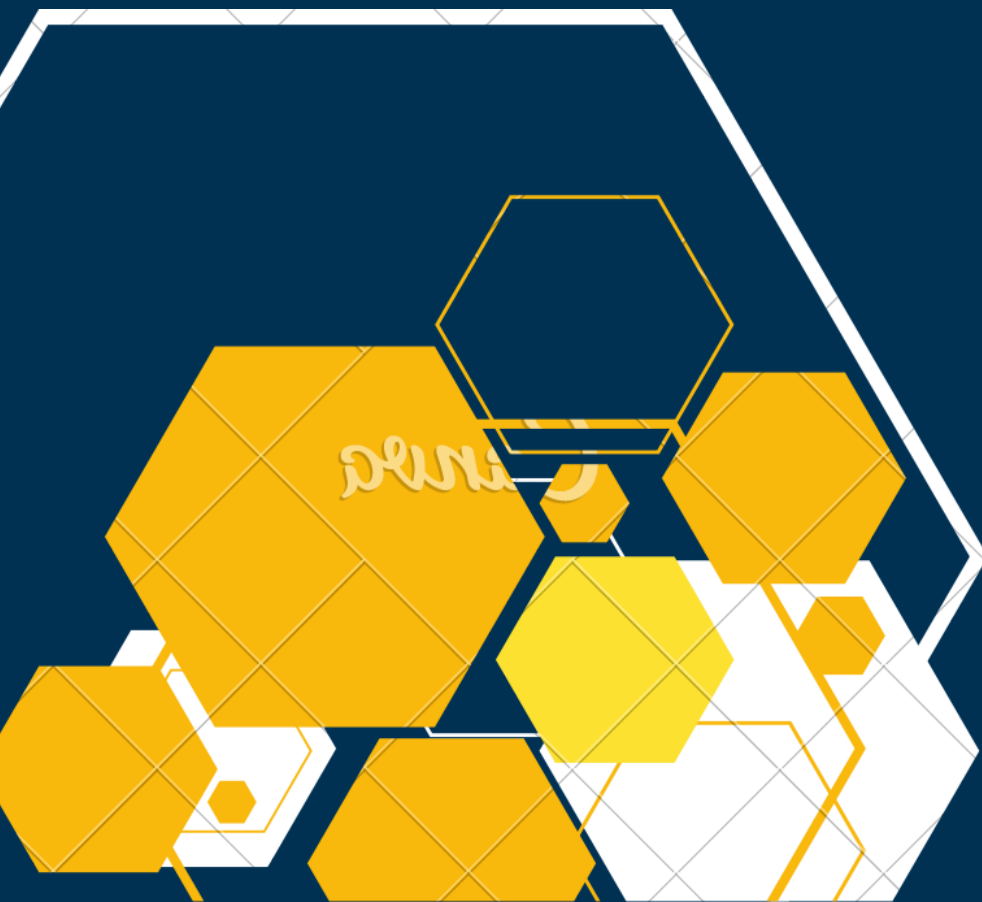


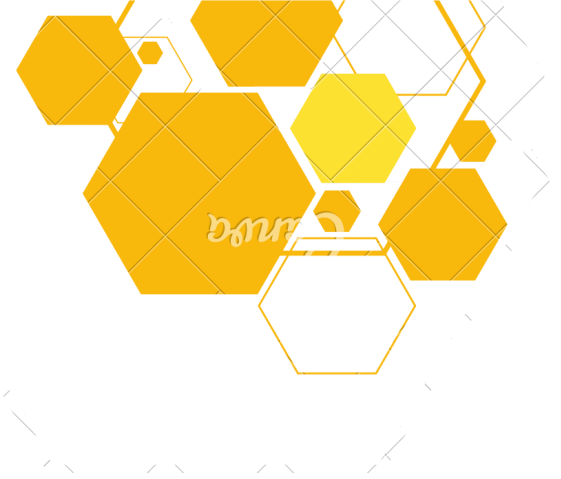
We can see that people have mostly sent more than one message when they interacted with the corresponding feature. Thus, we can state that the hypothesis is wrong.



The Dashboard

<https://movsisyan.info/dashboard/>





THANK YOU

