Физтех-confessions, the most popular commentator of 2024

Jamclub[1]

[1]Физтех-confessions

7 января 2025 г.

Аннотация

Based on the number of likes each comment received, this report determines who is the most popular commentator of физтех-confessions. Comparison between the influence of the the top few commentators and the rest of the community is also made. A brief analysis of the evolution of the number of posts and number of likes over time is made. Note that your name if it appears here is without your consent, if you feel offended, cry about it and use the window.

Содержание

1 Introduction and Motivation

2024 was a great year! Физтех-confessions was used:

1. To confess love and sins
2. As a means to procrastinate from doing work
3. To pass depression

4. To get daily dose of cringe because the brain demands it, just as our body demands 2,5L of water everyday
5. To share some brilliant memes.

We can obviously discuss the most liked posts, but the posts are anonymous. The commentators (from now on we should just call them authors) keep the community alive, without the existence of their comments the writers would probably lose motivation to write posts. So we make a deeper analysis on the commentators than on the posts.

2 Collection of Data

2.1 Basic statistics on the source

An amateur code [1] was used to iterate through all posts backwards in time, starting from 11.12.2024 until 5000 posts were successfully read, and the number of likes on each comment and the author of the comment was recorded and put onto our main table. Instead of 2024, 1.5 year worth of data was used, because the физтех-confessions had change of admins and other breaks this year, and more data is always good for statistics. Here are the preliminary statistics:

Таблица 1: Basic statistics on number of likes, comments and authors.

Number of posts recorded	5000
Total number of comments	17 753
Total number of authors	1778
Average number of comments per author	9,98

2.2 Sources of errors

The code could not read the less liked comments if the page of the post had a lot of comments. Because such comments are collapsed and the code was not smart enough to click on buttons and expand to read all comments. Since vk tends to hide the less popular comments by default, this created some inflation in the number of likes. Since the sample size is still very large, such errors do not distort the conclusions on who is the best commentator. Vk.api would give correct data but it was not used due to task being too technically difficult in nature when the benefit is only slightly improved accuracy. **Sincere precautions were made to not corrupt the raw data, or to change the calculations in anyway to prove an agenda. However if any mistake appears, it is unintentional.**

h-index: the total number of comments - h, such that the number of likes in each of these comments is greater than or equal to h.

popularity = normalized_count_likes * normalized_count_comments * h-index

3 Commentator

3.1 The most Liked commentator (count_likes)

Definitions:

- count_likes: the total number of likes an author received for the whole data.
- serial: the rank when the table is sorted based on count_likes.

Таблица 2: Top-20 authors with most likes [5].

serial	author	count_likes
1	Физтех.Confessions	4116
2	Василий Андрианов	4041
3	Николай Сменилфамили	1863
4	Кафи Шаббир	1529
5	Княже Калыванович	1443
6	Кристина Юниксовна	1336
7	Адам Бушакур	1284
8	Андрей Авраменко	1187
9	Всеволод Ccfl	1130
10	Аврора Фантомхайв	1024
11	Владимир Гаврилов	899
12	Ева Астра	815
13	Даня Александров	805
14	Александр Попов	736
15	Даниил Кухмистров	717
16	Александр Губанов	711
17	Tigran Galstyan	702
18	Александр Логинов	689
19	Лариса Ретроградная	675
20	Петр Блинов	662

Everyone is in the league of 1000's but **Василий Андрианов** is on another league collecting 4000 likes.

Таблица 3: Likes received and comments written by all, top-10 and top-40 comparison

	top-10	top-40	all
count_likes	15 042 (19,8%)	35 536 (46,8%)	75 881 (100%)
count_comments	2291 (12,9%)	7846 (44,2%)	17 753 (100%)
density (likes per comment)	6,57	4,5	4,27

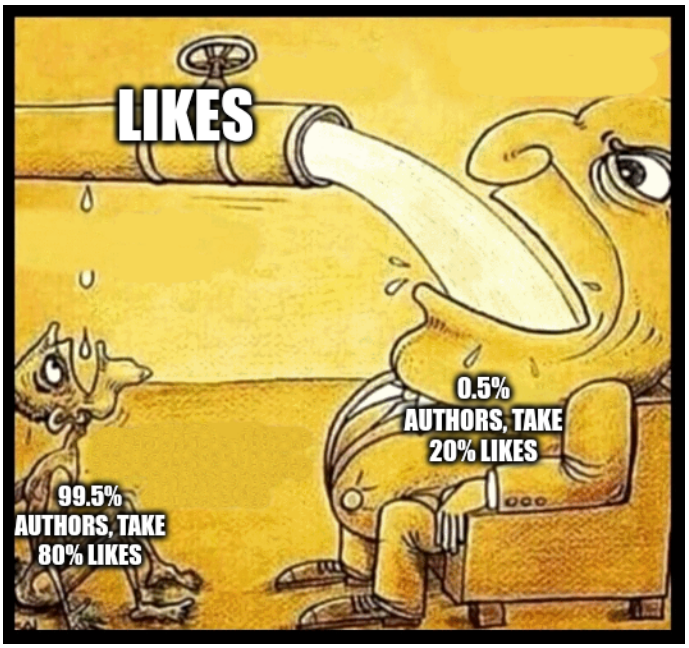


Рис. 1: A few authors take a lot of likes

We can also say that half of the comment activity comes from just 40 authors. Now for simplicity, let us consider only the top-500 authors, and will have a look at the distribution curve on how the likes are distributed amoung these 500 authors. It is reasonable to take the top-500 instead of all 1778 because, the 500th author when sorted on count_likes had only 18 likes in total. We can assume that 501st author and on wards do not have much desire to get likes, therefore it will not be fair to add them to the distribution curve and conclude that the like distribution among the rich and poor is very large. By rich, of course we mean, those who took a large share of the total likes, and by poor who took a small share of the total likes. Also, the top-500 contribute to 93% of the total likes, so completely removing the others does not leave a big proportion of the data out.

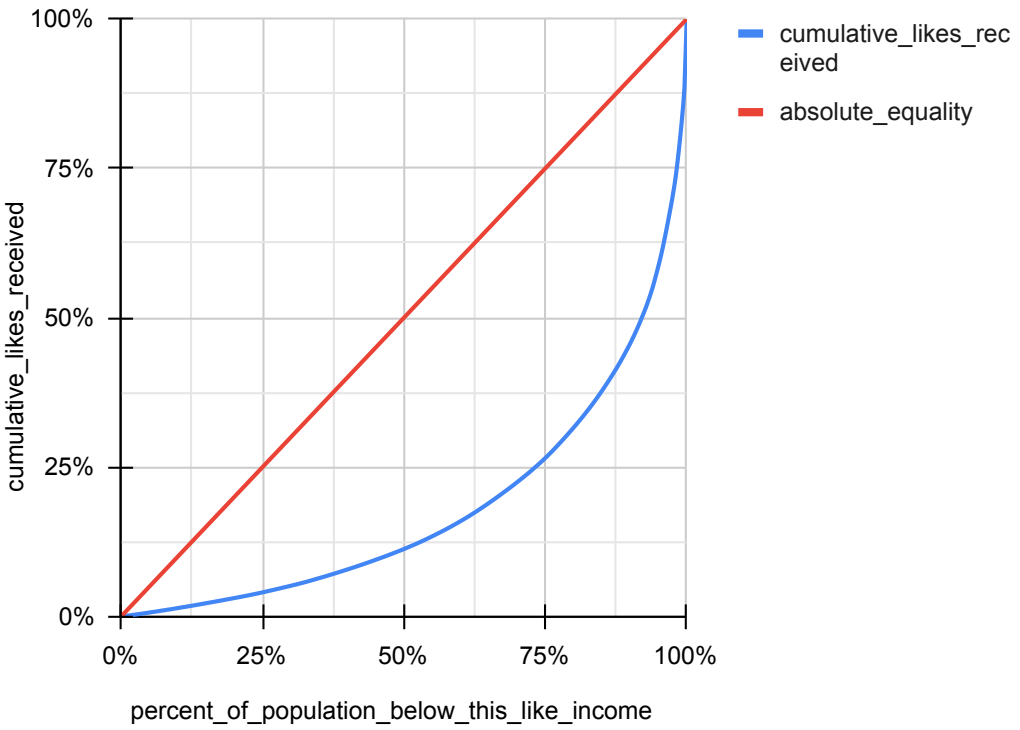


Рис. 2: Determination of gini-coefficient [8]

We have used 500 authors to form the gini-distribution, so the top 10 are the top 2% wealthy men and the top 40 are the top 8% wealthy men in физтех-confessions. We see that their like contribution is 26,7% and 50,1% respectively. This is considering the top-500 authors, when we compare this with table 3, which includes all the 1778 authors, the percent of contribution of likes is not very different [3].

We determine our inequality by the gini-coefficient [8], which is calculated from figure 2, here the gini coefficient is 0,64 which makes it similar to South Africa, which has the highest income inequality in the world. In other words in South Afria, the top 2% richest men take 26,7% of the country's annual wealth, and the top 8% of the the richest men takes 50,1% of the country's annual wealth, just as it is the case with физтех-confessions, except luckily it is not food, water and iron, but just the amount of adrenaline rush from receiving notifications of a comment being liked. For comparison, we can look at other countries:

Таблица 4: Gini-coefficients of various countries

rank	country	gini-coefficient
1	Физтех-confessions	0,64
2	South Africa	0,63
3	USA	0,39
4	Russia	0,36
5	Sweden	0,29
6	Norway	0,23

However note that we talk about South Africa based on our curve of физтех-confessions since we have almost the same gini-coefficient, but the exact distribution for the top 2% and the top 8% can be slightly different because gini-coefficient is due to the area between the red and the blue curve, this coefficient can be same due to the same area but actual blue curves of confessions and SOuth Africa can be slightly different.

3.2 The most Depressed commentator (count_comments)

Definitions:

- **rank: position based on a characteristic for a local table,** while the serial is always the rank when the table was sorted according to count_likes.
- count_comments: the total number of comments an author wrote.
- sr-difference = serial - rank, is the difference between the the positions in the table of count_likes and in this table. We would want to know if we change the measure based on which we sort the table how much does it differ from the table which was sorted based on the number of likes.

Таблица 5: Top-20 authors with most comments, [4].

rank	sr-difference	author	serial	count_likes	count_comments
1	0	Физтех.Confessions	1	4116	2128
2	0	Василий Андрианов	2	4041	649
3	+14	Tigran Galstyan	17	702	481
4	+15	Лариса Ретроградная	19	675	392
5	-1	Кафи Шаббир	4	1529	355
6	+4	Аврора Фантомхайв	10	1024	287
7	+1	Андрей Авраменко	8	1187	230
8	+21	Ярослав Аммосов	29	499	202
9	+9	Александр Логинов	18	689	173
10	-5	Княже Калыванович	5	1443	172
11	-8	Николай Сменилфамили	3	1863	172
12	-1	Владимир Гаврилов	11	899	169
13	-1	Ева Астра	12	815	167
14	+6	Петр Блинов	20	662	152
15	-2	Даня Александров	13	805	147
16	+10	Станислав Шушкевич	26	528	125
17	-2	Даниил Кухмистров	15	717	112
18	-12	Кристина Юниксовна	6	1336	111
19	+6	Алина Куринная	25	528	103
20	+12	Камиль Калиновский	32	420	103

Certainly the most depressed student in физтех writes the most amount of comments. And now by the legendary sr-difference we see that Tigran Galstyan has moved up 14 places as compared to Table 2. Лариса Ретроградная has also moved up a massive amount of 15 places it is because her comments are self contradictory, trolling or just toxic. Ярослав Аммосов has moved up many places it is because his comments are usually emojis or compliments appreciating the post or a comment of

another author. Кафи Шаббир has moved down one place which indicates that his ratio of quality over quantity if not neural slightly good for the community. **Николай Сменилфамилиюна-взрослуюсерьёзную has gone down by 8 places which means his quality over quantity is pretty high**.

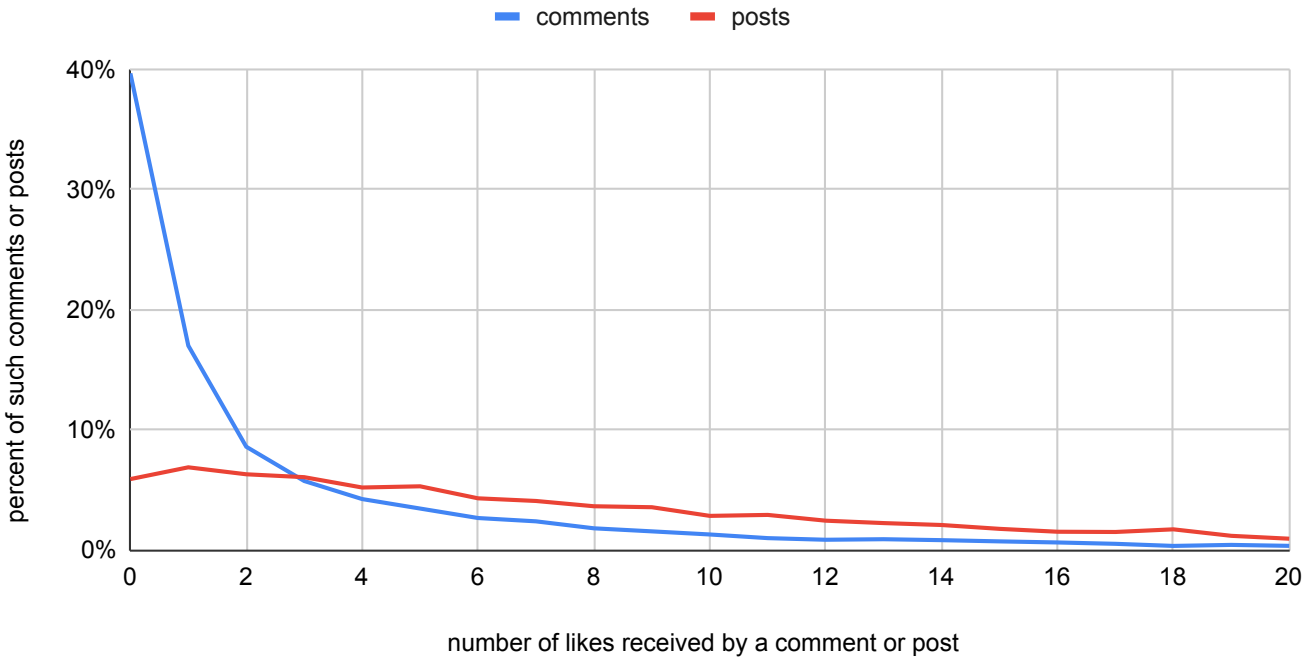
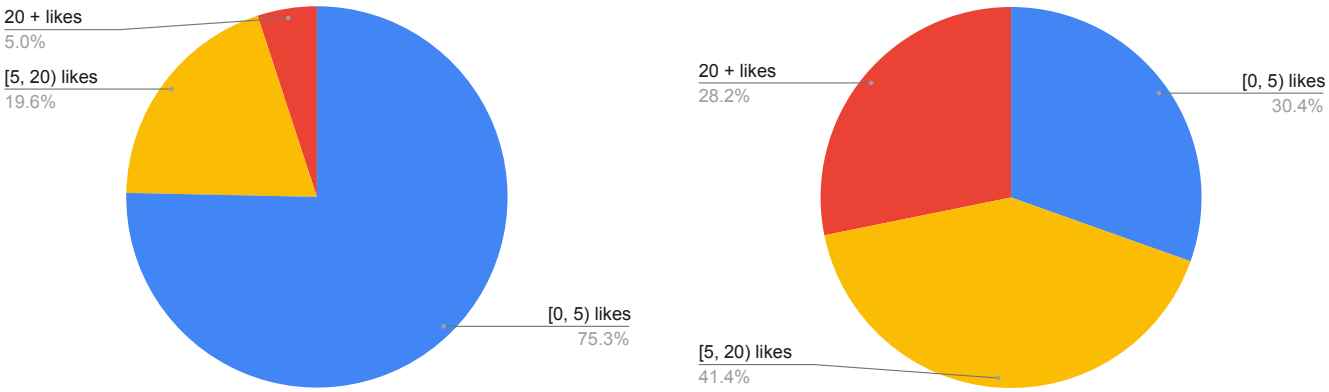


Рис. 3: Percent of comments or posts which has the given number of likes.

Now let us see how the likes on comments are distributed. In other words what percent of comments have 0 likes and what percent of comment have more than 5 likes. In figure 3, if you read for the blue curve $(x, y) = (2, 10\%)$, it means that 10% of the comments have 2 likes. The red curve is the like distribution for the posts on confessions. As expected the curve for the posts decreases smoothly and maintains a large enough positive value for 20+ likes, but for comments 40% of the comments have 0 likes and the proportion of comments as the number of likes increases falls much more rapidly than that of физтех-confessions posts.



(а) Comments (б) Posts

Рис. 4: Proportion of likes for comments and posts.

In figure 4, we see that only 5% of the comments have more than 20 likes while, 28,2% of the posts have more than 20 likes.

3.3 The most Sigma commentator (density)

Definitions:

- density = count_likes / count_comments, is the number of likes per comment written by the author.

Таблица 6: Top-40 authors sorted according to density [6]

rank	sr-difference	author	serial	count_likes	count_comments	density
1	+6	Адам Бушакур	7	1284	86	14.9
2	+22	Михаил Дьяков	24	562	39	14.4
3	+36	Егор Гречко	39	329	24	13.7
4	+2	Кристина Юниксовна	6	1336	111	12.0
5	+4	Всеволод Ccfl	9	1130	94	12.0
6	+27	Демид Калюх	33	402	34	11.8
7	+16	Макар Шевцов	23	576	49	11.8
8	-5	Николай Сменилфамили	3	1863	172	10.8
9	+13	веские причины жить в 1	22	611	60	10.2
10	+27	Иван Бойко	37	348	36	9.7
11	+17	Иван Шурышкин	28	500	59	8.5
12	-7	Княже Калыванович	5	1443	172	8.4
13	+17	Gülki dükany	30	481	61	7.9
14	0	Александр Попов	14	736	99	7.4
15	+6	Кирилл Треугольный	21	645	87	7.4
16	0	Александр Губанов	16	711	102	7.0
17	-2	Даниил Кухмистров	15	717	112	6.4
18	-16	Василий Андрианов	2	4041	649	6.2
19	+12	Иван Белых	31	431	72	6.0
20	-7	Даня Александров	13	805	147	5.5

The number of likes and the number of comments certainly does not give us all the information. These are sigma's who keep silent, but when they speak something, it caries a lot of value. Кафи Шаббир completely flew away form the list ending up at 30th place. **Адам Бушакур is certainly the sigma here, his density given the amount of comments he wrote can be matched by a few**.

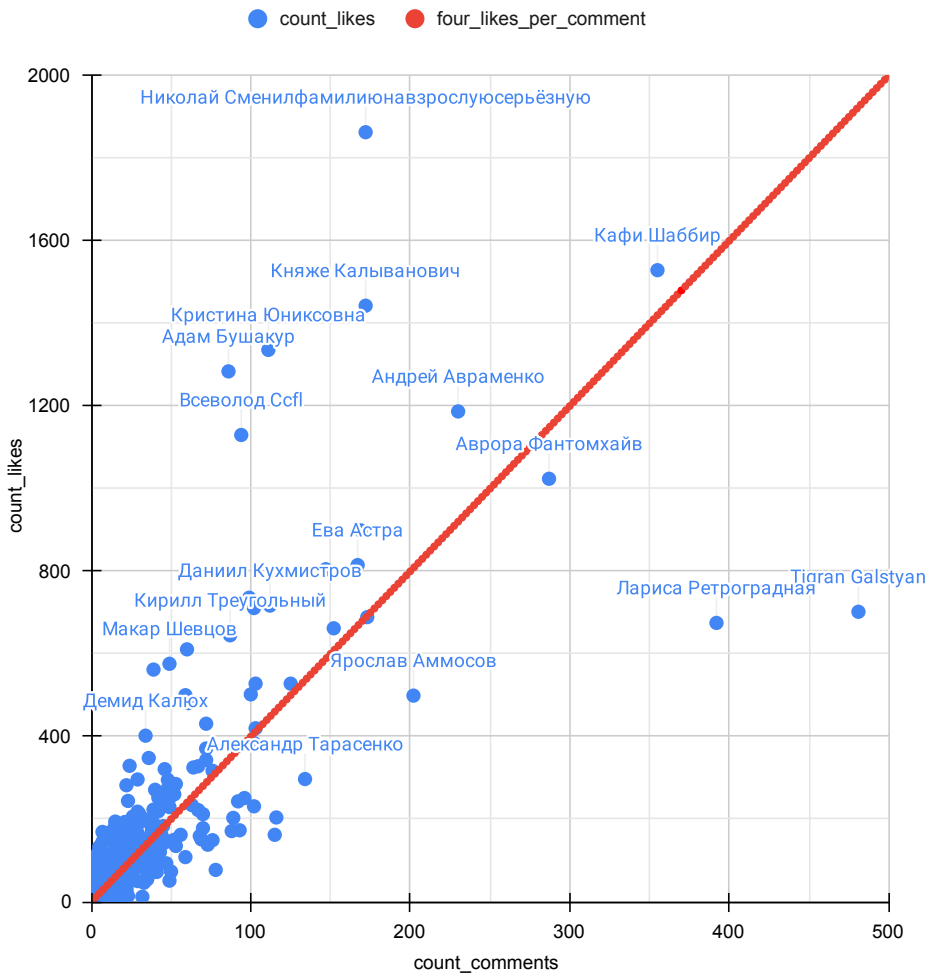


Рис. 5: Number of likes vs comments points for different authors.

In figure 5 we can draw a line called the line of four_likes_per_comment, this line represents the average density of all comments of all authors. Here Физтех.Confessions and Василий Андрианов were excluded to keep the scales of axes reasonable. Кафи Шаббир just managed to keep himself above this line while Аврора Фантомхайв is close to this line but below it. Now based on this line we can place our beloved authors into 4 zones.

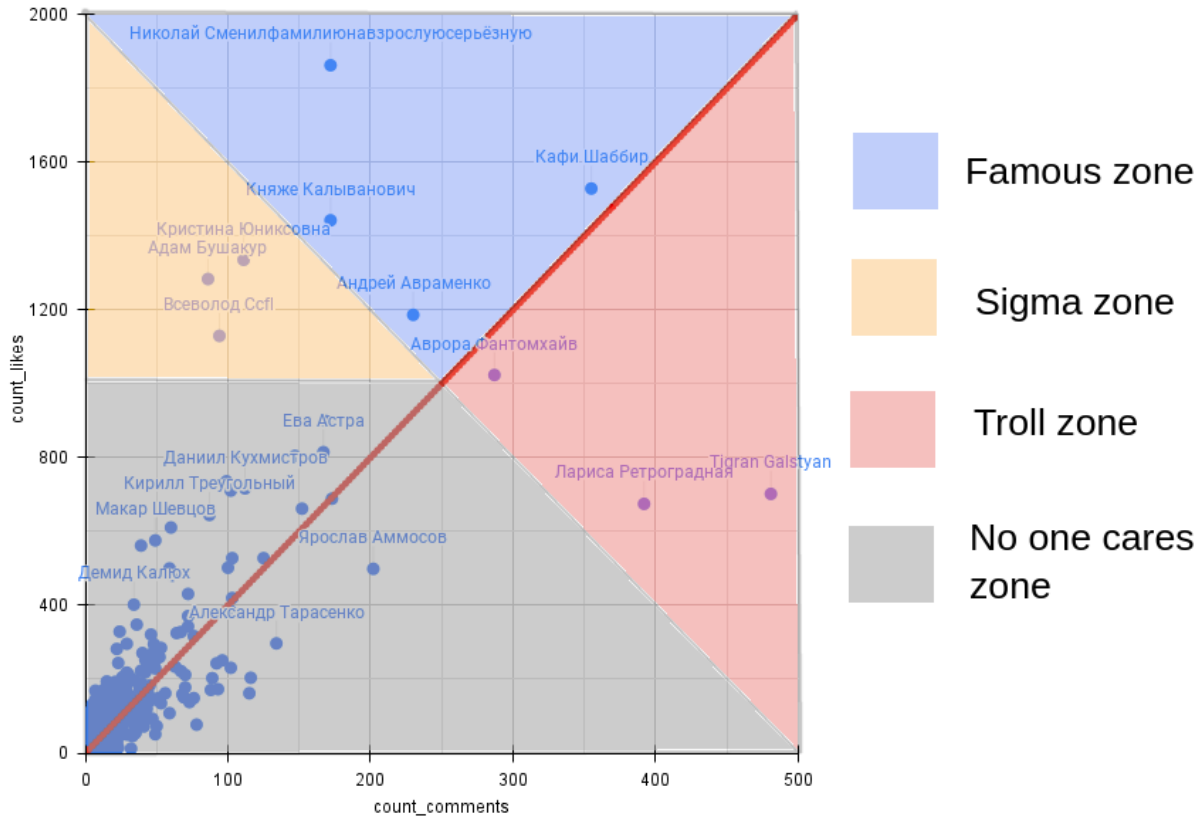


Рис. 6: The four zones on likes vs comments plot of various authors.

1. **Famous zone**: authors of this zone are famous.
2. **Sigma zone**: authors of this zone many not be known to all but those who know them respect these authors' comments a lot.
3. **Troll zone**: authors in this zone write a lot of troll comments.
4. **No one cares zone**: not a lot of audience cares or knows about the authors in this zone.

3.4 The most Based commentator (reverse density)

rank	sr-difference	author	serial	count_likes	count_comments	density
40	-23	Tigran Galstyan	17	702	481	1.5
39	-20	Лариса Ретроградная	19	675	392	1.7
38	-37	Физтех.Confessions	1	4116	2128	1.9
37	-8	Ярослав Аммосов	29	499	202	2.5
36	-26	Аврора Фантомхайв	10	1024	287	3.6
35	0	Егор Шель	35	384	102	3.8
34	0	Дмитрий Минеев	34	384	101	3.8
33	-15	Александр Логинов	18	689	173	4.0
32	0	Камиль Калиновский	32	420	103	4.1
31	-5	Станислав Шушкевич	26	528	125	4.2
30	-26	Кафи Шаббир	4	1529	355	4.3
29	-9	Петр Блинов	20	662	152	4.4
28	+10	Ахмет Газакбаев	38	343	72	4.8
27	-15	Ева Астра	12	815	167	4.9
26	+14	Борис Явцев	40	328	67	4.9
25	+2	Евгения Алексеева	27	502	100	5.0
24	+1	Алина Куринная	25	528	103	5.1
23	+13	София Труфанова	36	371	72	5.2

Рис. 7: Reverse density for the most based authors

These authors are so **база** that people are probably afraid to like their comments, their comments are often misunderstood if they carry a deeper meaning. Sometimes some of them are just trolling in massive amounts. Eventough it is the bottom of the list, there are a surprisingly large number of women here and it turns out the women are in green (Евгения Алексеева, Алина Куринная, София Труфанова), which means that the top women do not write so much, but what they write is liked by a disproportionately high number of people. It is probably because the community of физтех-confessions and физтех is mostly male, and seeing female comments below the posts melts a man's heart.

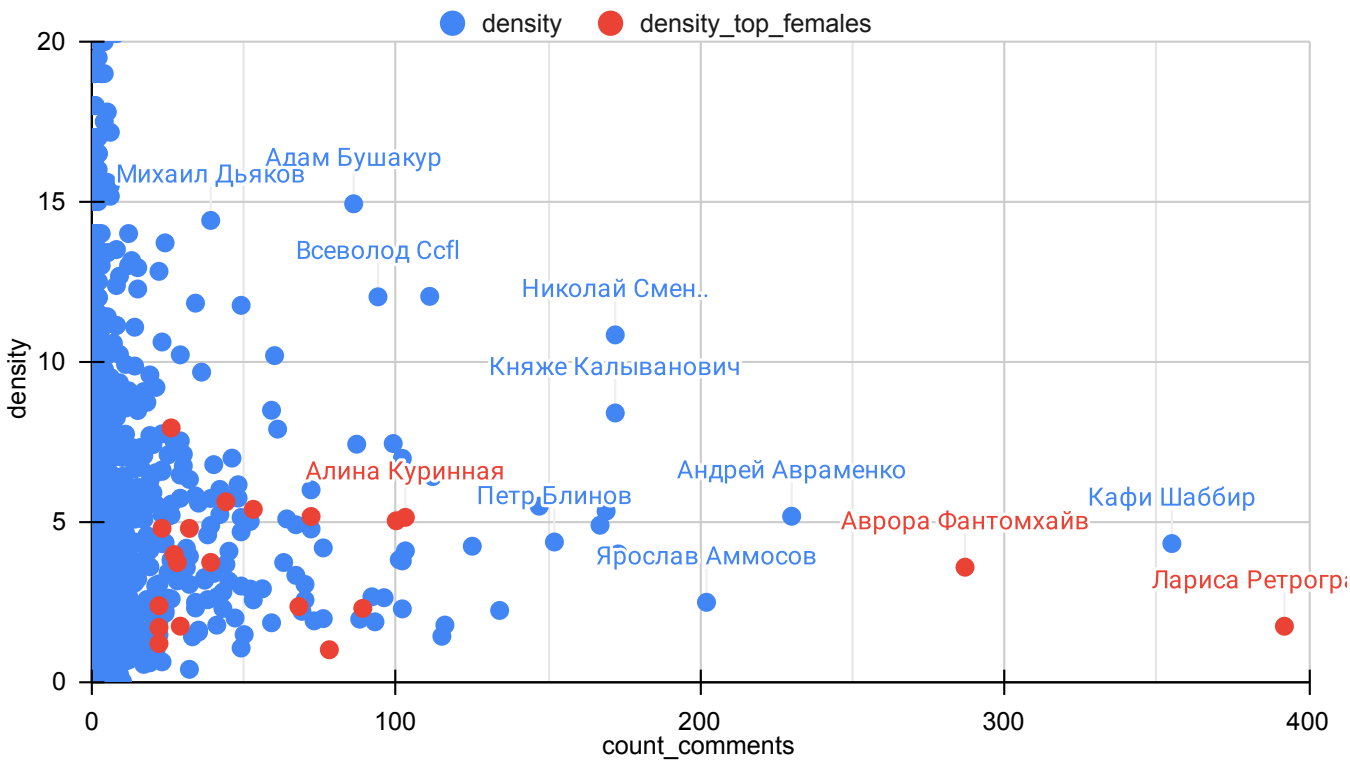


Рис. 8: Density vs count_comments, [2].

In figure 8, all females who have commented more than 22 times are marked. It seems that they occupy a good position, often being on top of the blue blobs in that region. **Here the position of Адам Бушакур is absolutely legendary there is no one close to him in that region**.

3.5 The best Female commentator

Таблица 7: Top-12 female commentators based on count_likes.

rank	author	serial	count_likes	count_comments	density
1	Аврора Фантомхайв	10	1024	287	3.6
2	Лариса Ретроградная	19	675	392	1.7
3	Алина Куринная	25	528	103	5.1
4	Евгения Алексеева	27	502	100	5.0
5	София Труфанова	36	371	72	5.2
6	Алина Мордвинова	47	285	53	5.4
7	Лиза Финенко	56	247	44	5.6
8	Катерина Беклемышева	69	206	26	7.9
9	Елена Ловчикова	71	203	89	2.3
10	Лу На	88	173	93	1.9
11	Грустная Луна	96	162	115	1.4
12	Настя Данилова	98	159	68	2.3

3.6 The most Productive commentator (h-index)

Таблица 8: Top-20 most productive commentators.

rank	sr-difference	author	serial	count_likes	count_comments	density	h-index
1	+1	Василий Андрианов	2	4041	649	6.2	30
2	-1	Физтех.Confessions	1	4116	2128	1.9	23
3	+4	Адам Бушакур	7	1284	86	14.9	22
4	-1	Николай Сменилфамили	3	1863	172	10.8	22
5	0	Княже Калыванович	5	1443	172	8.4	21
6	+3	Всеволод Ccfl	9	1130	94	12.0	20
7	-3	Кафи Шаббир	4	1529	355	4.3	19
8	-2	Кристина Юниксовна	6	1336	111	12.0	19
9	+5	Александр Попов	14	736	99	7.4	17
10	+3	Даня Александров	13	805	147	5.5	16
11	+1	Ева Астра	12	815	167	4.9	16
12	-2	Аврора Фантомхайв	10	1024	287	3.6	15
13	-2	Владимир Гаврилов	11	899	169	5.3	15
14	+9	Макар Шевцов	23	576	49	11.8	15
15	+2	Tigran Galstyan	17	702	481	1.5	14
16	+6	веские причины жить в 1	22	611	60	10.2	14
17	-2	Даниил Кухмистров	15	717	112	6.4	14
18	+3	Кирилл Треугольный	21	645	87	7.4	14
19	+11	Gülki dükany	30	481	61	7.9	13
20	-4	Александр Губанов	16	711	102	7.0	13

The density does not give us a full picture. Maybe an author writes a lot of compliments with decreases his density, or maybe he started out bad but now is doing good. Hence we judge them by the h-index [7].

4 Posts

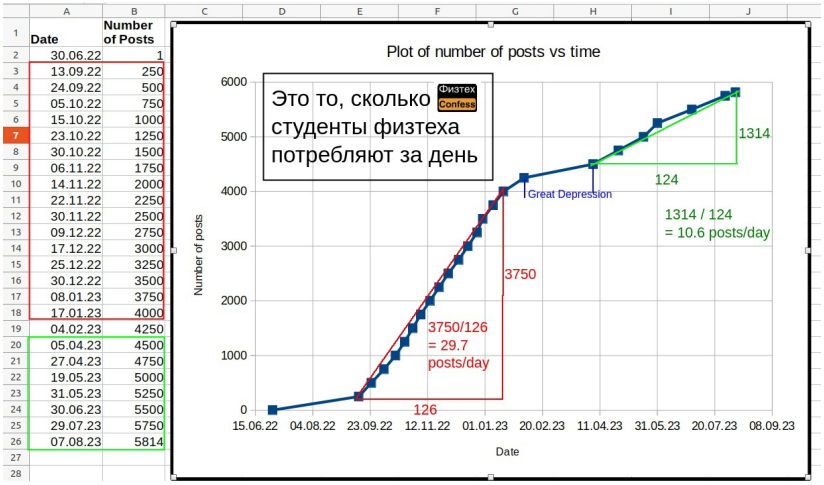


Рис. 9: Statistics of number of posts over time, published in August 2023 in #5818 [9]

In figure 9, for the first time in our life could see that just like there are debt and credit cycles in the economy of a country, there are periods of less productivity by the writers of the posts and admins. Over here we see only one depression, which have indeed correctly defined to be the great depression. However do these patterns of productivity and depressions happen over and over again? To answer this question we need to zoom out further in this graph.

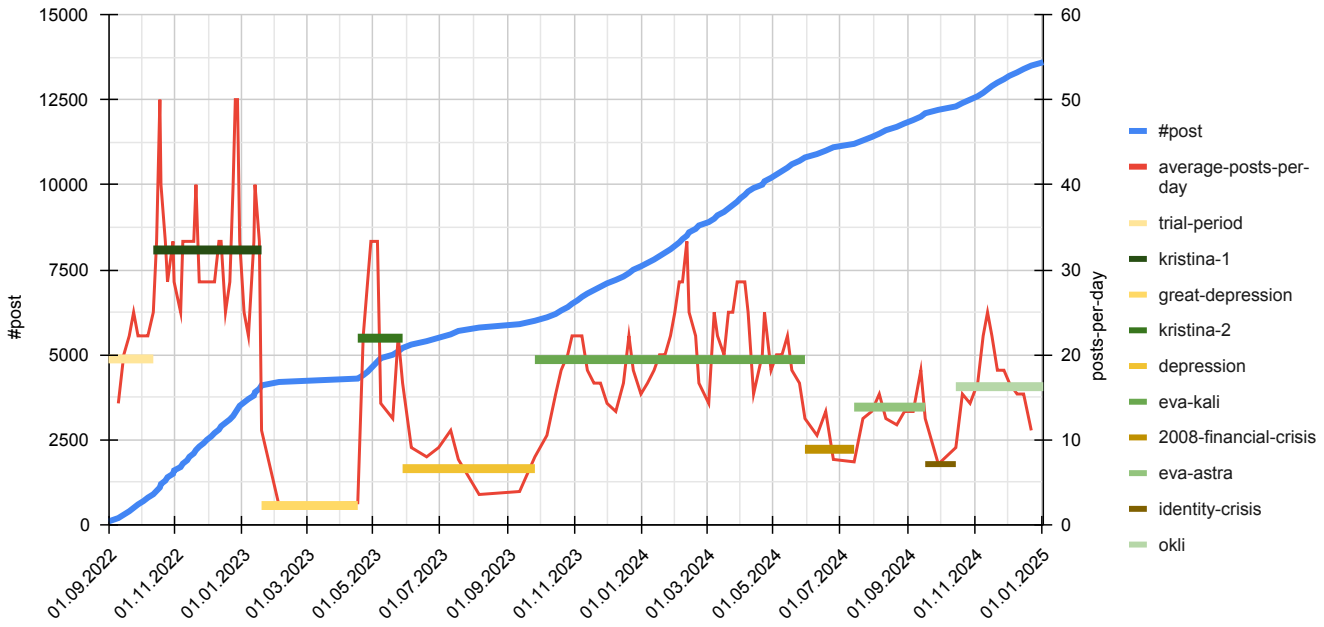


Рис. 10: Number of post published over time, and number of posts published per day for various periods of time.

In figure 10, we are looking at the whole history of confessions. The 100th post was published on the 1st of September 2022 and the 13600th post on the 3rd of January 2025. Which is 13500 posts published over 856 days, which is 15,7 posts per day. The average number of likes per post from June 2023 to December 2024 is 22,4.

In the beginning we had the **trial-period** which perhaps lasted 15th of October 2022, during which confessions was still being popularized and hence we can assume there were not many writers of pastas at that time, but never the less, the number of posts per day is 20, which is strangely even higher than the current average under the reign of **Окли Сириус**, 16 posts per day.

Under the 1st Administration of Kristina (**kristina-1**), the number of posts per day was so high that no oter periods can come closer to this number. The significance about this period is that, only written text was allowed, polls and pictures were probably approved only on Sunday. This is the period when the writers of pastas dumped a lot of trash and most content was published with little or less filtering.

Obviously Kristina overworked, just us credit based, speculation based economic growth causes the bubble to brust, which is the time when the debts which was used to create credit now need to be payed back. Overworked Kristina is going to be overwhelmed and will need to rest. The rest or depressed, gloomy sadness period was a long 4 months, lasting from the 15th of January 2023 to 15th of April 2023.

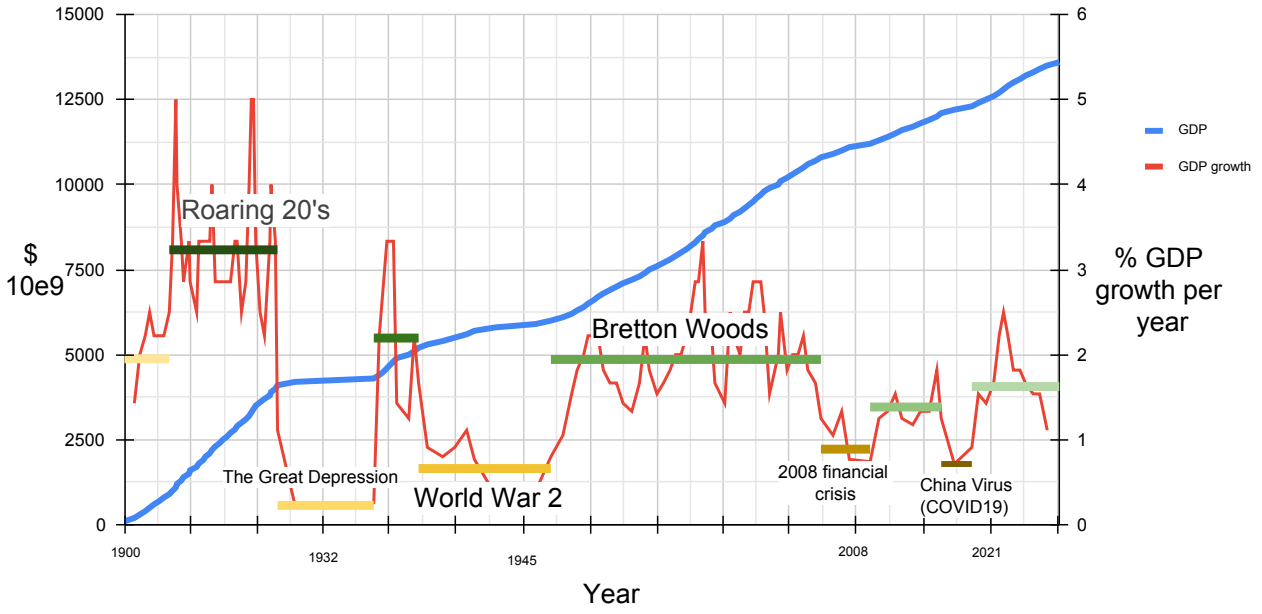


Рис. 11: Marking periods in USA's econimic history on number of posts with respect to time.

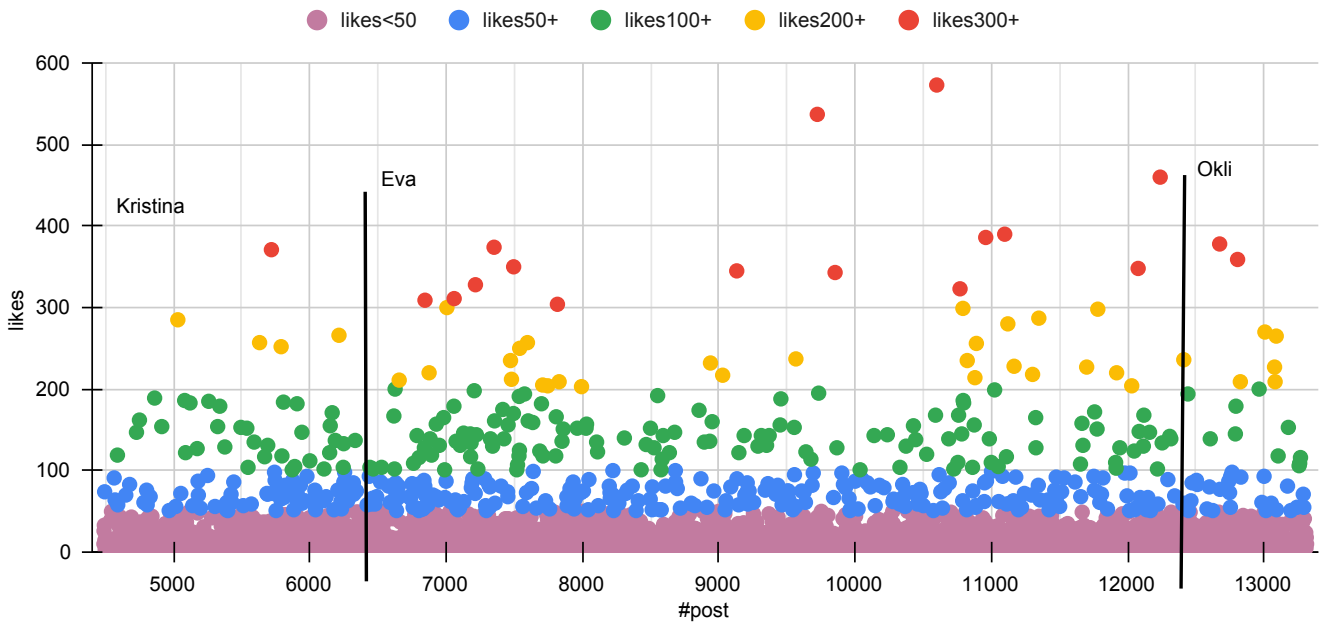


Рис. 12

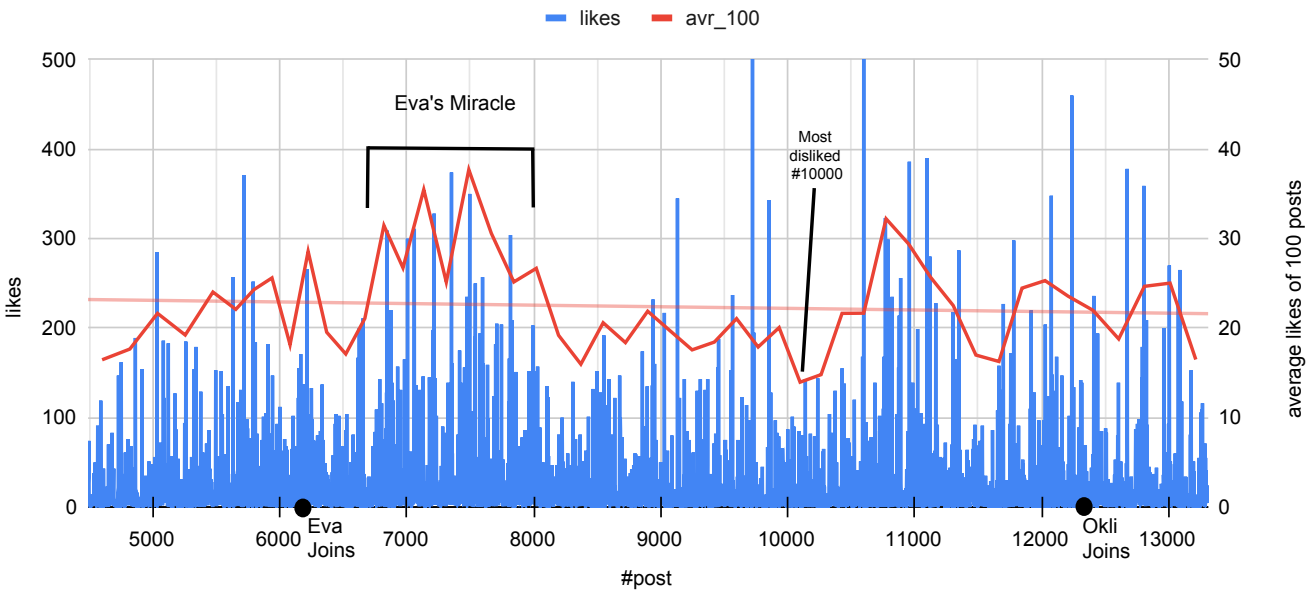


Рис. 13: Likes vs hash-number of post, and the average number of likes of aurrounding 100 posts.

A sad fact is that, it is clear that the number of posts have slightly decreased, if we compare it with the reign of **Ева Астра**. The number of subscribers have definitely increased by a large margin. However when we look at the number of likes per post over time, the trendline very slightly slopes downwards. **Given the same number of posts per day over time, and given steady increase of the number of subscribers, the average number of likes per post have actually decreased!**

5 Conclusions

Список литературы

[1] scrape.py. https://drive.google.com/file/d/1x_XWGbxKHCPxmJo7_cfyQRLmpgFyUDie/view?usp=drive_link.

[2] Table and graph of density distribution. https://docs.google.com/spreadsheets/d/1m4j6RICIfq6DIdJ1OtQPb95STsEhHjRoEMEKSS9QAVE/edit?gid=1492772175#gid=1492772175.

[3] Table calculation of gini coefficient. https://docs.google.com/spreadsheets/d/1m4j6RICIfq6DIdJ1OtQPb95STsEhHjRoEMEKSS9QAVE/edit?gid=1472074717#gid=1472074717.

[4] Table count of comments. https://docs.google.com/spreadsheets/d/1m4j6RICIfq6DIdJ1OtQPb95STsEhHjRoEMEKSS9QAVE/edit?gid=1821382722#gid=1821382722.

[5] Table count of likes of top authors. https://docs.google.com/spreadsheets/d/1m4j6RICIfq6DIdJ1OtQPb95STsEhHjRoEMEKSS9QAVE/edit?gid=1373352226#gid=1373352226.

[6] Table density. https://docs.google.com/spreadsheets/d/1m4j6RICIfq6DIdJ1OtQPb95STsEhHjRoEMEKSS9QAVE/edit?gid=585297305#gid=585297305.

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[8] Коэффициент Джини — Википедия — ru.wikipedia.org. https://ru.wikipedia.org/wiki/%D0%9A%D0%BE%D1%8D%D1%84%D1%84%D0%B8%D1%86%D0%B8%D0%B5%D0%BD%D1%82_%D0%94%D0%B6%D0%B8%D0%BD%D0%B8.

[9] Паста-5815. https://vk.com/wall-214737987_30155.