Twitch Streamers Analysis

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Data – MUSAE Twitch

Source: https://snap.stanford.edu/data/twitch-social-networks.html

Nodes:
- Describe streamers speaking in 5 different languages,
- Provide information about time on the platform, views, being an official Twitch partner, and being an adult.

Edges:
- Describe friendship relations between streamers.

Research Questions

1. What does it take to become a Twitch partner?

2. Where is becoming the partner the simplest?

3. Who has the biggest amount of friends?

4. Are there any streamer communities?

5. Does Twitch partners collaborate with each other?

6. What are the differences between languages/countries?

Networks statistics

Language	N	E	K	Alpha	Avg path lenght	Assoratitvity degree	Diameter	Transitivity
English	7126	35324	*9.914*	2.721	3.678	-0.122	10	0.042
German	9498	153138	**32.246**	2.548	2.722	-0.115	7	0.046
Spanish	4648	59382	25.552	2.542	2.883	-0.189	9	0.084
Portuguese	1912	31299	**32.740**	2.482	2.532	-0.232	7	**0.131**
Russian	4385	37304	17.014	2.491	3.021	-0.182	9	0.049

Nodes degrees
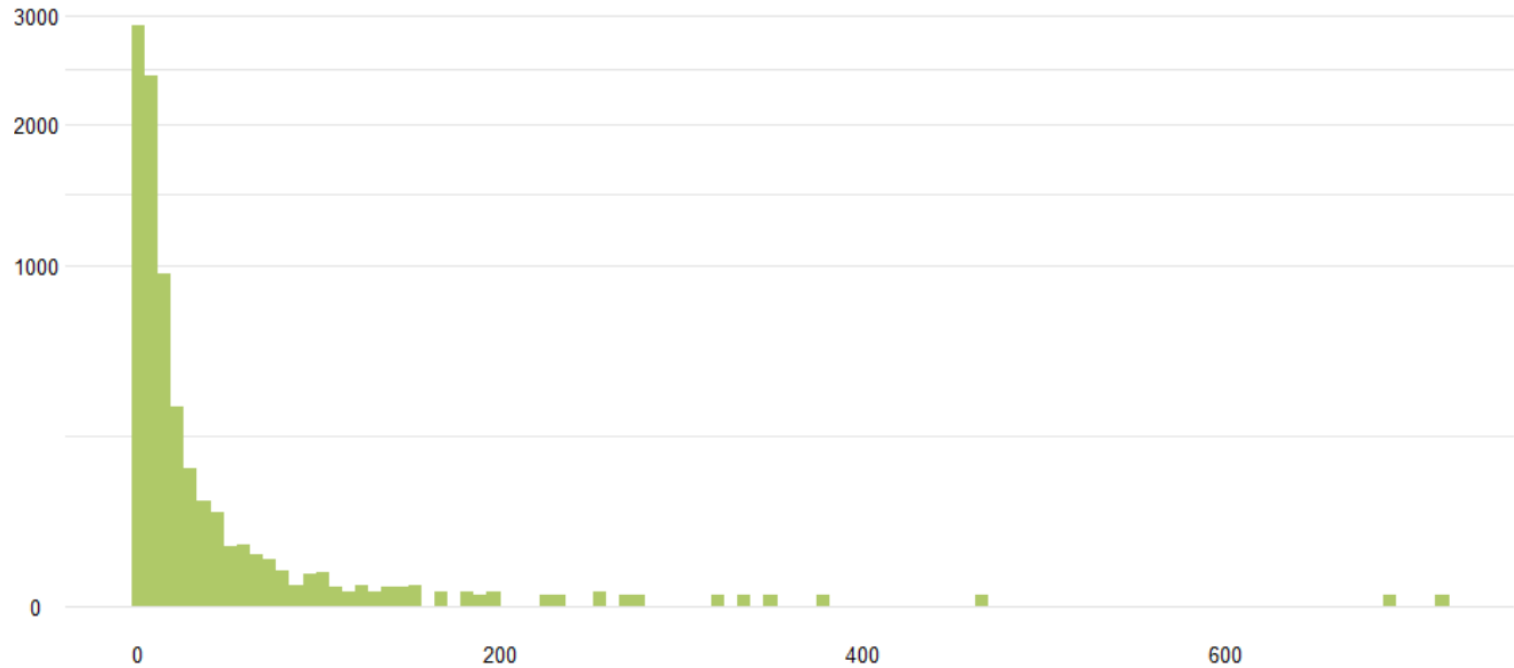
Nodes degrees
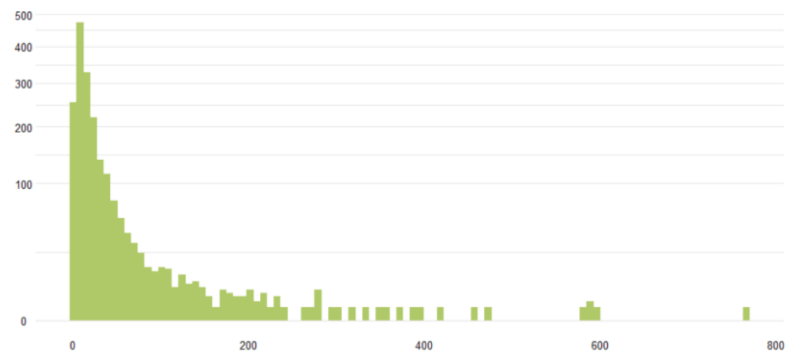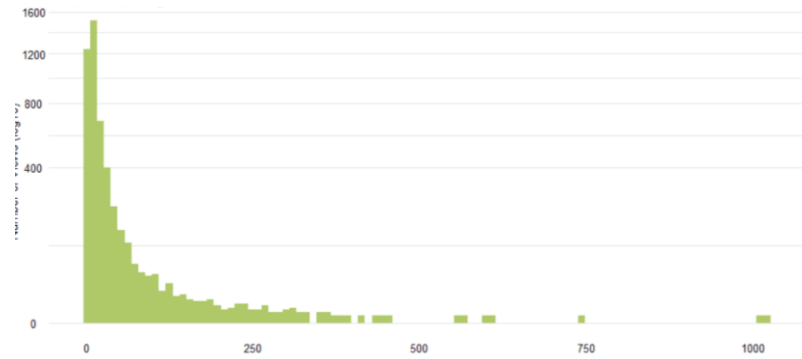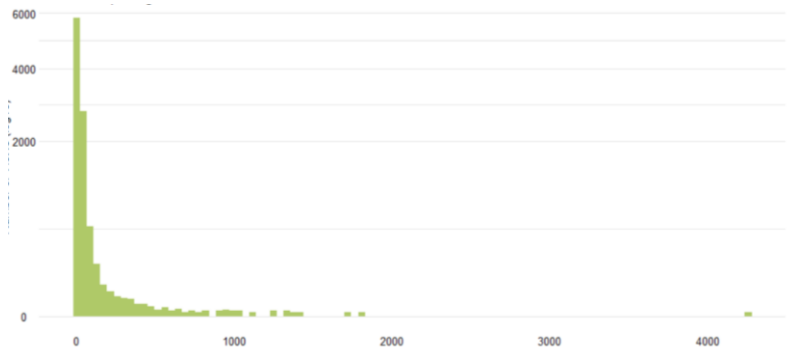
Official Partnerships

Twitch partnerships depending on Views
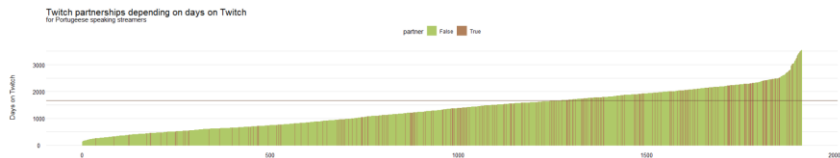for English speaking streamers
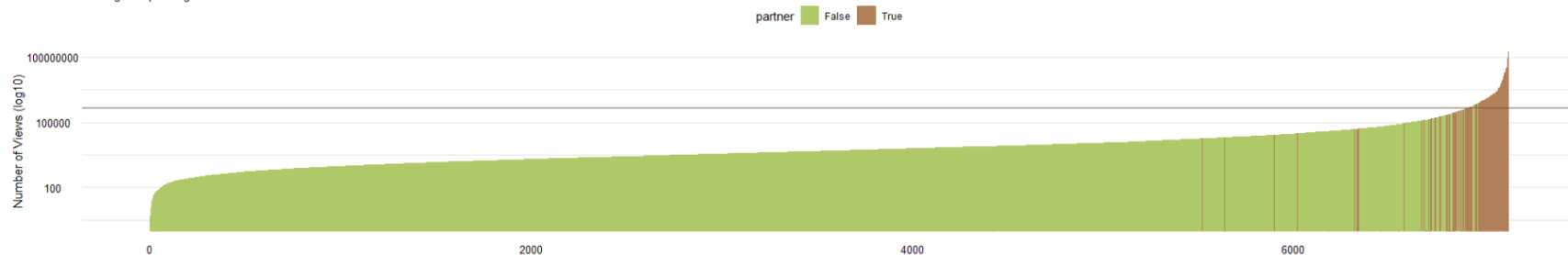
partner ■ False ■ True

Number of Views (log10)
100000000
100000
100
0   2000   4000   6000

Twitch partnerships depending on days on Twitch
for English speaking streamers

partner ■ False ■ True

Days on Twitch
4000
3000
2000
1000
0
0   2000   4000   6000
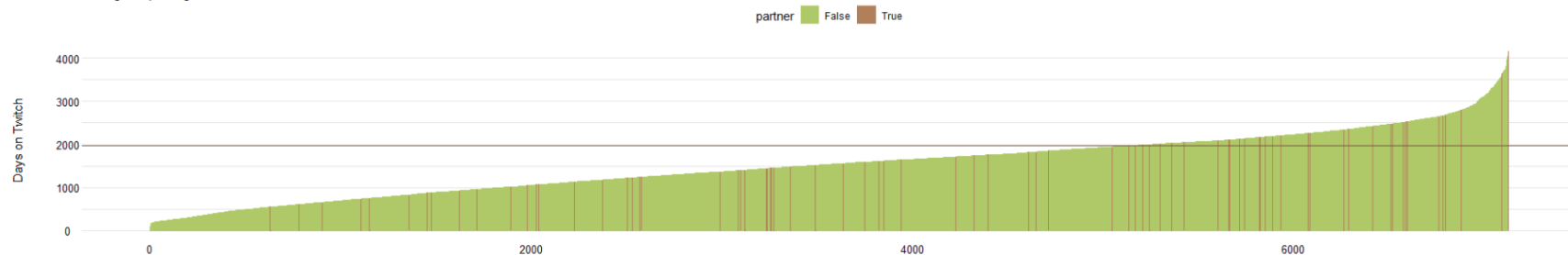
Official Partnerships
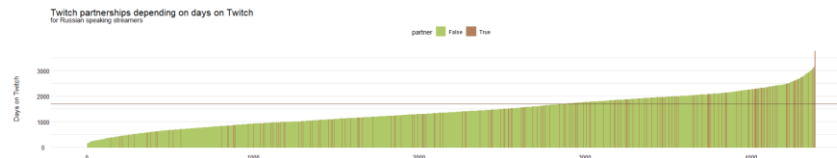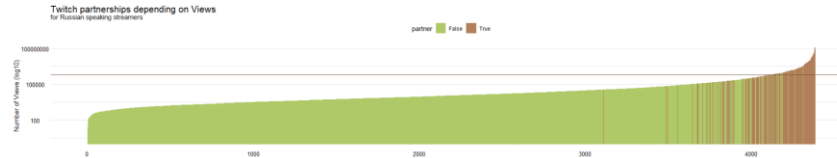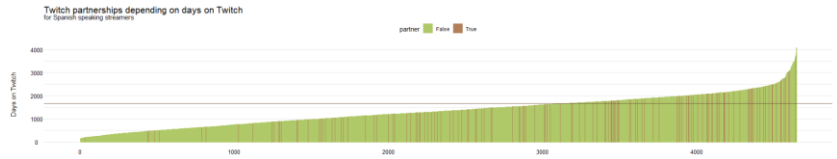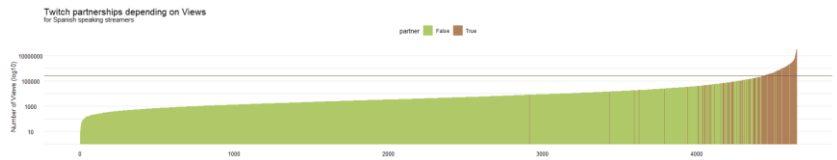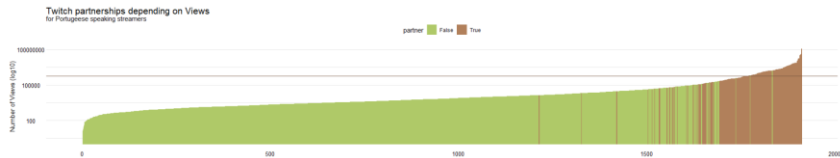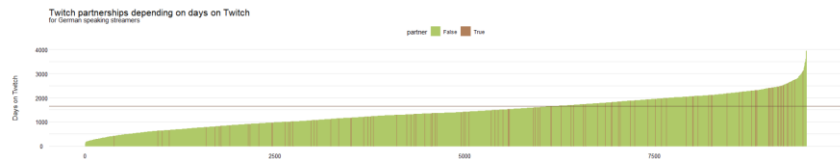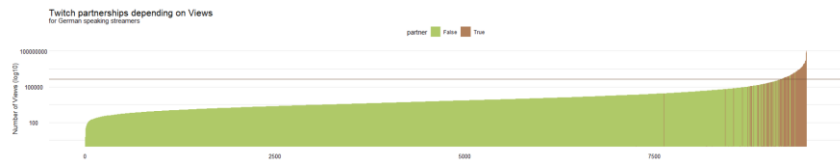
Official Partnerships

Language	Median of Views	Median of Days	Median of Years
English	483,000	**1974**	**5,41**
German	461,000	1652	4,53
Spanish	*261,000*	1670	4,57
Portuguese	564,000	1665	4,56
Russian	**637,000**	1707	4,68

Friendship analysis

Number of friends depending on Views
for English speaking streamers
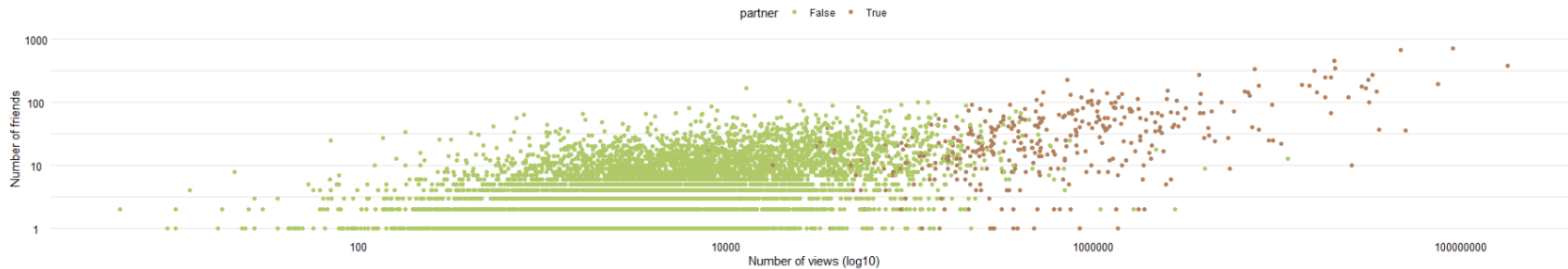
Number of friends depending on days on Twitch
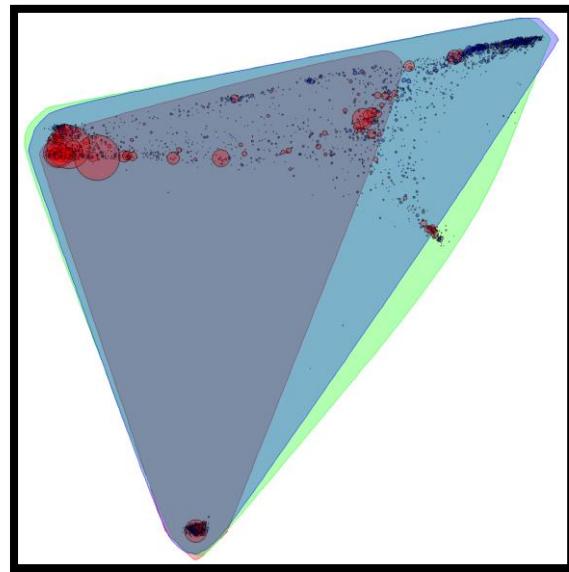for English speaking streamers

Friendship analysis
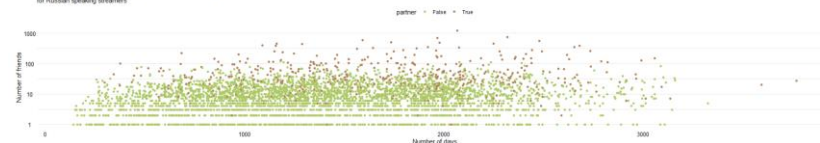
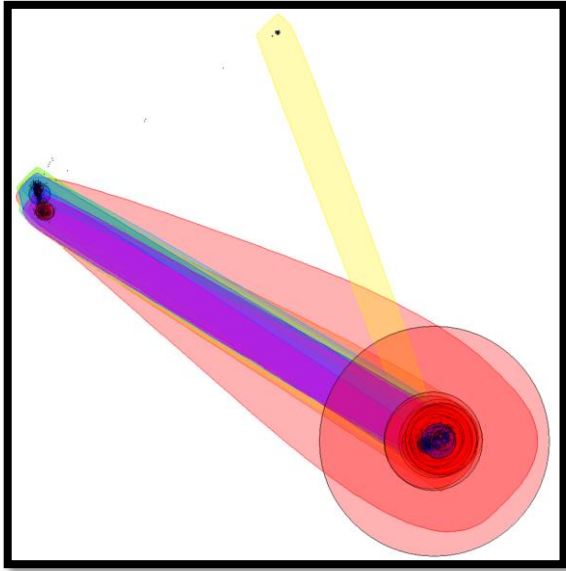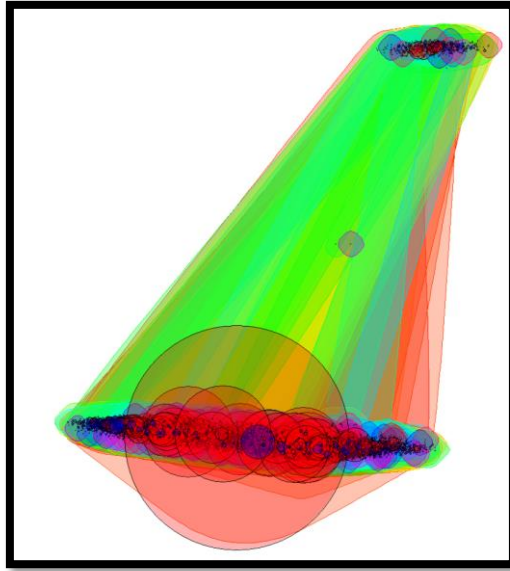# Twitch communities - English
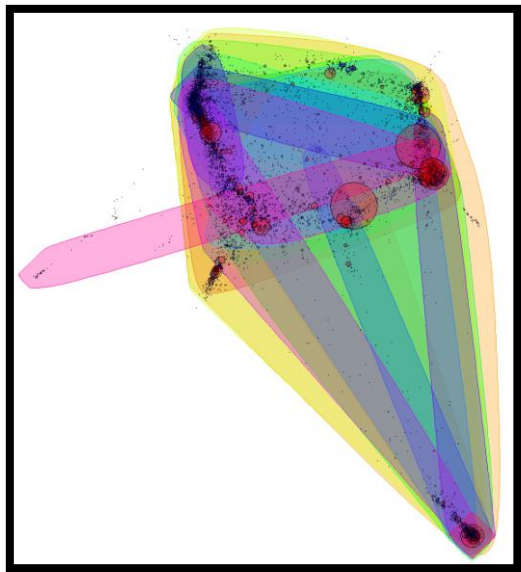
Whole Network
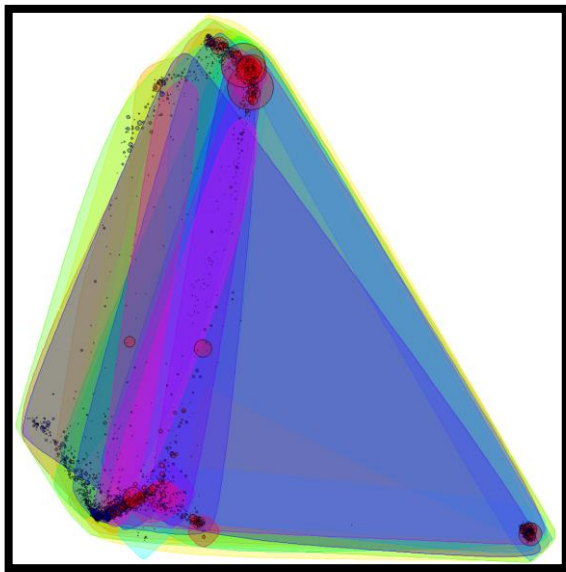
Big communities

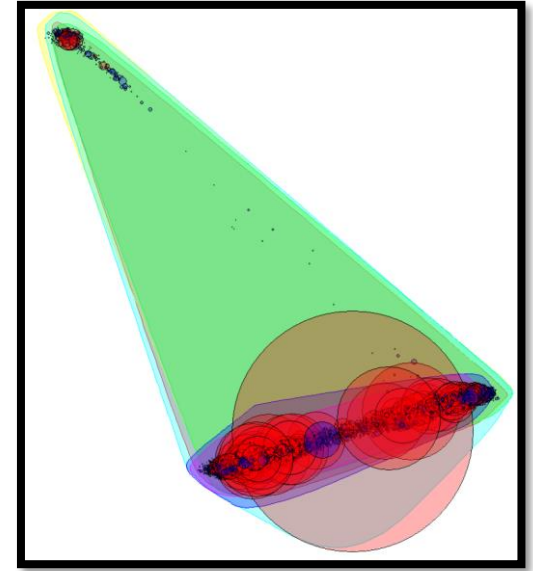Big communities
of big communities

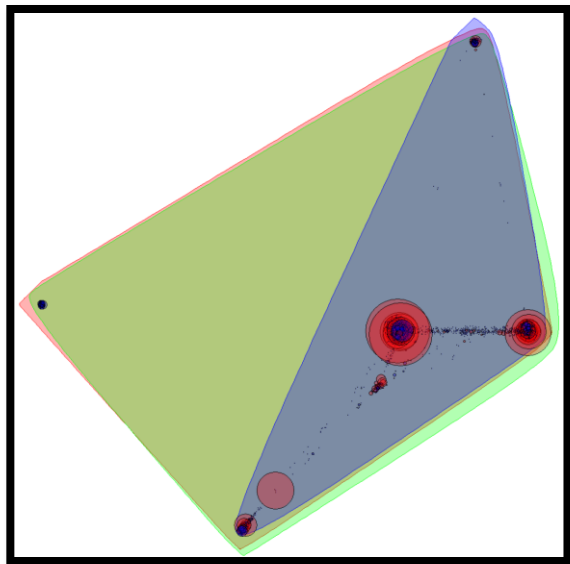# Twitch communities - German
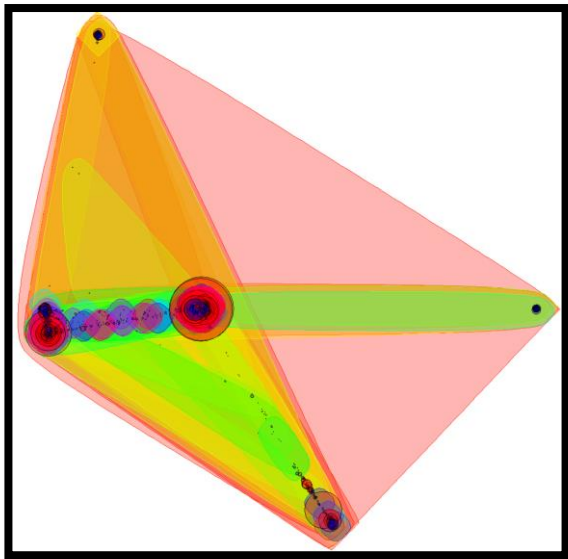

Whole Network

Big communities

Big communities
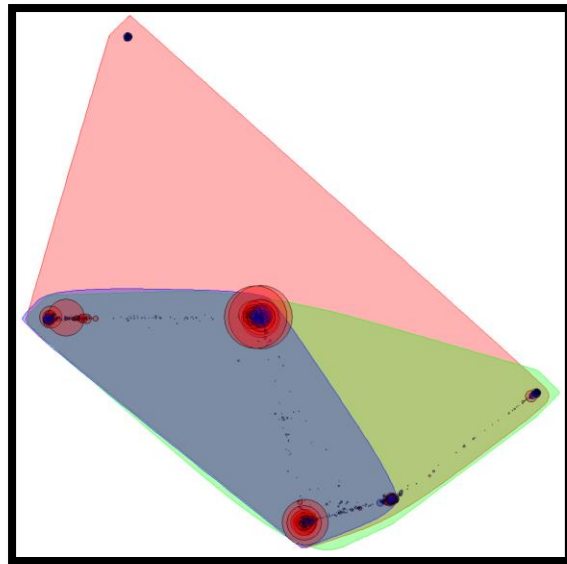of big communities
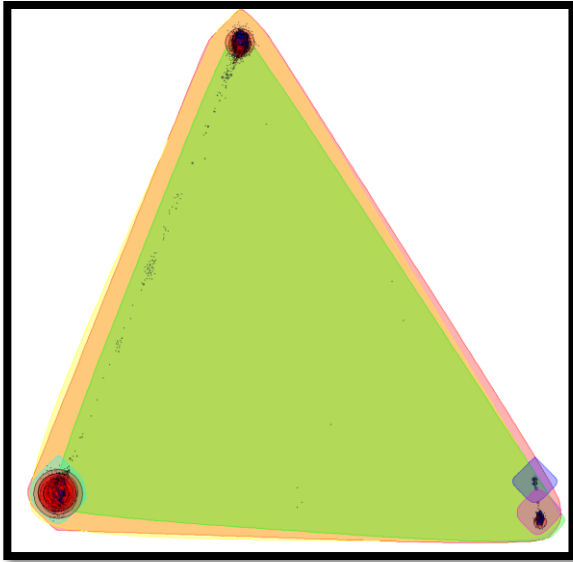
Twitch communities - Spanish

Whole Network

Big communities
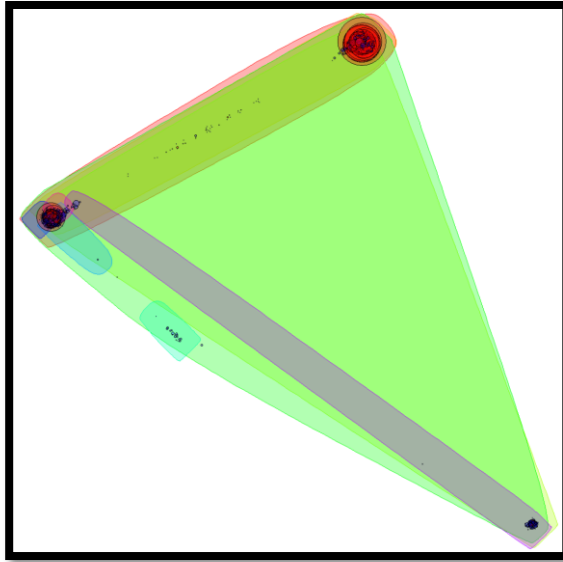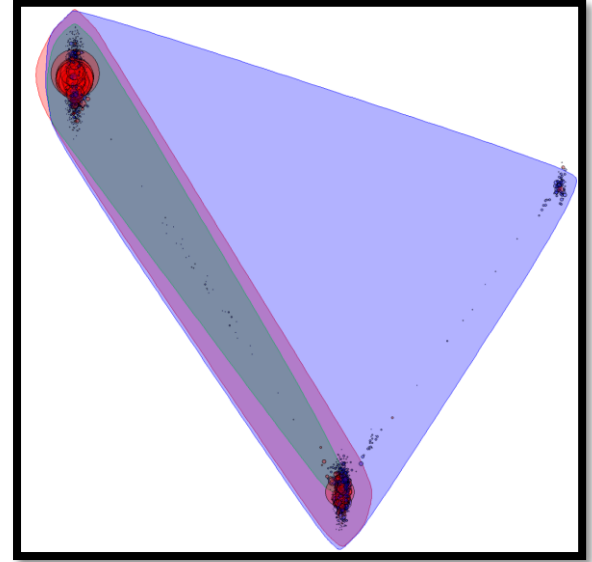
Big communities
of big communities
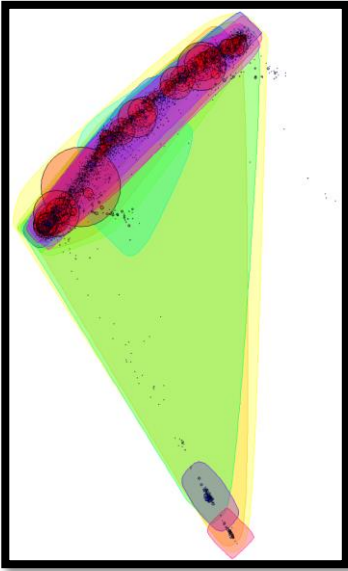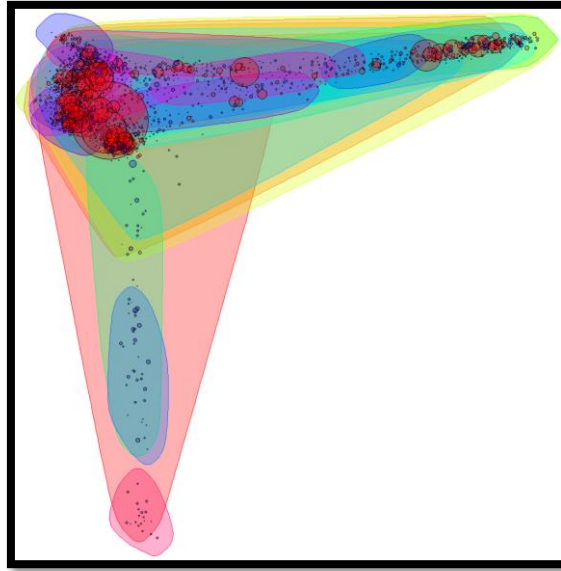
Twitch communities - Portugeese

Whole Network

Big communities

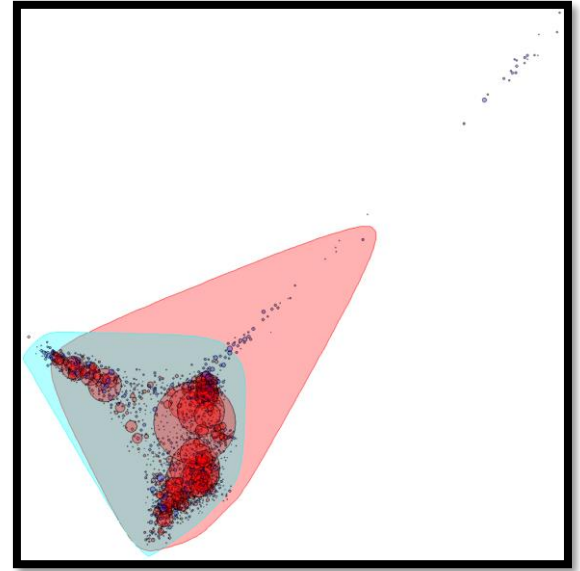Big communities
of big communities

Twitch communities - Russian
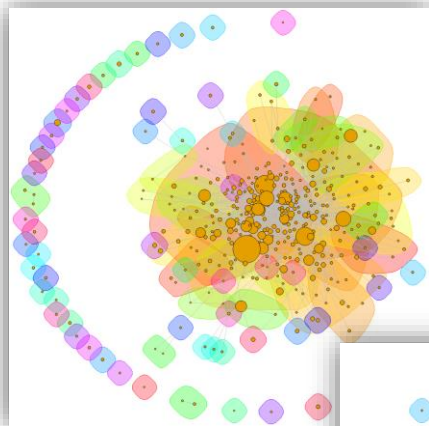

Whole Network
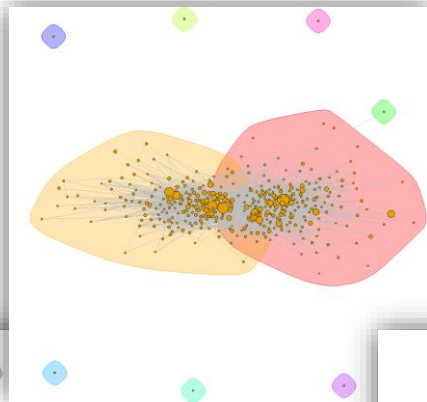
Big communities

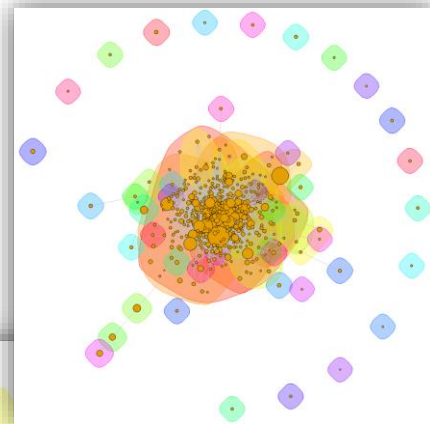Big communities
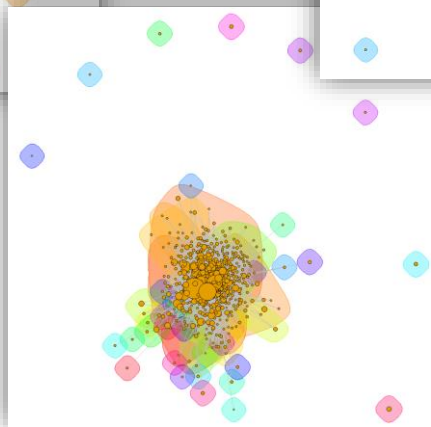of big communities
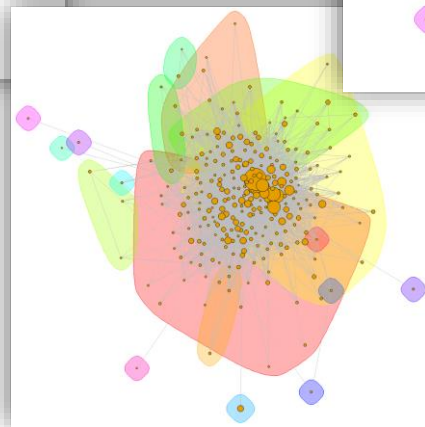
Twitch partners communities

English

German

Spanish

Portuguese

Russian

Thank you for your attention!