TWEETS SENTIMENT ANALYSIS OF ESPORTS EVENTS, TEAMS, AND GAMES

DATA ANALYTICS FOR E-SPORTS

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Tweets Sentiment Analysis related to esports events and games (to help organizers)

Questions are:

1. What is the overall sentiment of tweets related to esports events EGX and IEM?
2. IEM 2022 Dallas teams' success prediction on the basis of tweets positivity.
3. Top five games of EGX 2021 and positivity sentiment analysis of these games

Source of Data: used is Twitter API live data extraction.

Tools: Twitter API, Python Jupyter, power BI

Project Conclusion: Sentiment analysis tells that which event, which team and which game is the best (**EGX**, **Heroicgg, Harp Song)**

CONTENTS

CONTENTS 2
PROJECT SUMMARY 7
CHANGES IN QUESTIONS SINCE BEGINNING 7
PROJECT BACKGROUND 8
QUESTIONS 9
QUESTION 1 9
EXPLANATION AND BACKGROUND 9
QUESTION 2 10
EXPLANATION AND BACKGROUND 10
QUESTION 3 12
EXPLANATION AND BACKGROUND 12
EGX 13
INTEL EXTREME MASTERS 14
IEM SEASONS 14
DATA PROCESSING AND ANALYTICAL METHODS 15
STEP BY STEP PROCESS OF QUESTION 1 15
STEP BY STEP PROCESS OF QUESTION 2 17
STEP BY STEP PROCESS OF QUESTION 3 19
VISUALIZATIONS AND EXPLANATIONS 21
QUESTION # 1 21
CONCLUSION QUESTION 1 24
QUESTION # 2 25
CONCLUSION QUESTION 2 57
QUESTION # 3 58
CONCLUSION QUESTION 3 68
PROJECT CONCLUSION AND VALUE STATEMENT 69
SELF REFLECTION 70
REFERENCES 71
APPENICES: 73
QUESTION # 1: EGX CODE 73
QUESTION # 1: IEM CODE 91
(IEM TEAMS SUCCESS PREDICTION) 115
QUESTION #2: FAZECLAN 115
QUESTION #2: FURIA 133

QUESTION #2: NATUSVINCERE 151
QUESTION #2: ASTRALISCS 171
QUESTION #2: G2ESPORTS 191
QUESTION #2: HEROICGG 205
QUESTION #2: ENCE 222
QUESTION #2: NIPCS 241
QUESTION #2: CLOUD9 256
QUESTION #2: TEAMVITALITY 274
QUESTION #2: ENTROPIQTEAM 293
QUESTION #2: MOUSESPORTS 312
QUESTION #2: TEAMLIQUIDCS 329
QUESTION #2: COMPLEXITY 348
QUESTION #2: IMPERIALESPORTS 369
QUESTION #2: LFOCSGO 387
5 OF THE BEST GAMES OF EGX 2021 405
QUESTION # 3: HONEY, I JOINED A CULT (SOLESURVIVORGMS) 405
QUESTION #3: THYMESIA (OVERBORDERGAMES) 422
QUESTION #3: COFFEE TALK EPISODE 2: HIBISCUS & BUTTERFLY (COFFEETALK_GAME) 440
CHAPTER #3: GRAPPLE DOG (JOGRIBBIN) 458
CHAPTER #3: HARP SONG (HARPSONGGAME) 473

FIGURES:

Figure 1: DEVTEAM ESPORTS EVENT 7
Figure 2: EGX SENTIMENT ANALYSIS SCATTER PLOT 21
Figure 3: EGX SENTIMENT ANALYSIS PIE CHART 21
Figure 4: EGX SENTIMENT ANALYSIS BAR CHART 22
Figure 5: IEM SENTIMENT ANALYSIS SCATTER PLOT 23
Figure 6: IEM SENTIMENT ANALYSIS PIE CHART 23
Figure 7: IEM SENTIMENT ANALYSIS BAR CHART 24
Figure 8: FaZeClan SENTIMENT ANALYSIS 25
Figure 9: FaZeClan SENTIMENT ANALYSIS 25
Figure 10: FaZeClan SENTIMENT ANALYSIS 26
Figure 11:FURIA SENTIMENT ANALYSIS 27
Figure 12:FURIA SENTIMENT ANALYSIS 27
Figure 13:FURIA SENTIMENT ANALYSIS 28
Figure 14: NATUSVINCERE SENTIMENT ANALYSIS 29
Figure 15: NATUSVINCERE SENTIMENT ANALYSIS 29
Figure 16: NATUSVINCERE SENTIMENT ANALYSIS 30
Figure 17: AstralisCS SENTIMENT ANALYSIS 31
Figure 18: AstralisCS SENTIMENT ANALYSIS 31
Figure 19: AstralisCS SENTIMENT ANALYSIS 32
Figure 20: G2ESPORTS SENTIMENT ANALYSIS 33
Figure 21: G2ESPORTS SENTIMENT ANALYSIS 33
Figure 22: G2ESPORTS SENTIMENT ANALYSIS 34
Figure 23: HEROICGG SENTIMENT ANALYSIS 35
Figure 24: HEROICGG SENTIMENT ANALYSIS 35
Figure 25: HEROICGG SENTIMENT ANALYSIS 36
Figure 26: ENCE SENTIMENT ANALYSIS 37
Figure 27: ENCE SENTIMENT ANALYSIS 37
Figure 28: ENCE SENTIMENT ANALYSIS 38
Figure 29: NIPCS SENTIMENT ANALYSIS 39
Figure 30: NIPCS SENTIMENT ANALYSIS 39
Figure 31: NIPCS SENTIMENT ANALYSIS 40
Figure 32: CLOUD9 SENTIMENT ANALYSIS 41
Figure 33: CLOUD9 SENTIMENT ANALYSIS 41
Figure 34: CLOUD9 SENTIMENT ANALYSIS 42
Figure 35: TEAMVITALITY SENTIMENT ANALYSIS 43
Figure 36: TEAMVITALITY SENTIMENT ANALYSIS 43
Figure 37: TEAMVITALITY SENTIMENT ANALYSIS 44
Figure 38: Entropiqteam SENTIMENT ANALYSIS 45
Figure 39: Entropiqteam SENTIMENT ANALYSIS 45
Figure 40: Entropiqteam SENTIMENT ANALYSIS 46
Figure 41: MOUSESPORTS SENTIMENT ANALYSIS 47
Figure 42: MOUSESPORTS SENTIMENT ANALYSIS 47
Figure 43: MOUSESPORTS SENTIMENT ANALYSIS 48
Figure 44: TEAMLIQUIDCS SENTIMENT ANALYSIS 49
Figure 45: TEAMLIQUIDCS SENTIMENT ANALYSIS 49
Figure 46: TEAMLIQUIDCS SENTIMENT ANALYSIS 50

Figure 47: COMPLEXITY SENTIMENT ANALYSIS 51
Figure 48: COMPLEXITY SENTIMENT ANALYSIS 51
Figure 49: COMPLEXITY SENTIMENT ANALYSIS 52
Figure 50:IMPERIALSPORTS SENTIMENT ANALYSIS 53
Figure 51:IMPERIALSPORTS SENTIMENT ANALYSIS 53
Figure 52:IMPERIALSPORTS SENTIMENT ANALYSIS 54
Figure 53: LFOcsgo SENTIMENT ANALYSIS 55
Figure 54: LFOcsgo SENTIMENT ANALYSIS 55
Figure 55: LFOcsgo SENTIMENT ANALYSIS 56
Figure 56:Honey, I Joined a Cult SENTIMENT ANALYSIS 58
Figure 57:Honey, I Joined a Cult SENTIMENT ANALYSIS 58
Figure 58: Honey, I Joined a Cult SENTIMENT ANALYSIS 59
Figure 59: THYSEMIA SENTIMENT ANALYSIS 60
Figure 60: THYSEMIA SENTIMENT ANALYSIS 60
Figure 61: THYSEMIA SENTIMENT ANALYSIS 61
Figure 62:Hibiscus & Butterfly SENTIMENT ANALYSIS 62
Figure 63:Hibiscus & Butterfly SENTIMENT ANALYSIS 62
Figure 64:Hibiscus & Butterfly SENTIMENT ANALYSIS 63
Figure 65: Grapple Dog SENTIMENT ANALYSIS 64
Figure 66: Grapple Dog SENTIMENT ANALYSIS 64
Figure 67: Grapple Dog SENTIMENT ANALYSIS 65
Figure 68: Harp Song SENTIMENT ANALYSIS 66
Figure 69:Harp Song SENTIMENT ANALYSIS 66
Figure 70: Harp Song SENTIMENT ANALYSIS 67

Acronym

EGX -- Eurogamer Expo

IEM -- Intel Extreme Masters

PROJECT SUMMARY

Aim of this project is to help events organizers to make events more exciting and helpful for people. The best thing about living in the twenty-first century is that we can foresee a lot of things by looking at past trends and statistics. We are concentrating on three key esports questions in this study. First, we will look at tweets about two of the most popular esports events, EGX and IEM. Second, we will predict the Dallas 2022 winning team only based on the sentiments of tweets, and then we will determine if a team with more positive tweets is more likely to be successful or not. Finally, we will look at the top five EGX games in 2021 and figure out how to anticipate the primary reasons for their success and popularity.

CHANGES IN QUESTIONS SINCE BEGINNING

As per your instructions, it is the most important part of this project, the changes that I have made since the first time when I have decided the questions. So, I have changed many questions number of time. Let me explain here the number of changes that I made were

- From GFINITY event to IEM because it was difficult to find much data about GFINITY. As compared to that IEM data was available that is why changed it to IEM and worked in question 1 on EGX and IEM tweets analysis.
- Question 2 initially was last 3 years of events analysis of EGX and IEM, but when I extracted tweets and extracted the data properly then I saw a lot of missing and in actual confusing data. After extracting and plotting the results, I found it really bad so at the end I changed my question towards IEM Dallas 2022 players twitter sentiment analysis.

Question 3 was initially about top five games of two events and the sentiment analysis of it. As I have searched a lot about details of games and anyone's article related to best games of IEM but unfortunately, I did not find any solid link or article. That is why I moved to egx top five games sentiment analysis. As it was also a big job to find out the sentiments of already five games. So, it bit ok to move with it

Figure 1: DEVTEAM ESPORTS EVENT

Learning part explained in self-reflection(All tutorials and platforms)

PROJECT BACKGROUND

Whenever we begin a project, we always have a reason for doing so, a reason for why we are doing this project, and what we will receive in return after it is completed. As this is data analytics of e-sports events project it means that we must have to follow the data analytics six steps and these six steps are,

1. Ask
2. Prepare
3. Process
4. Analyse
5. Share
6. Act

Same in this project I will follow these steps to answer my questions.

QUESTIONS

The question that we will answer in this project are

QUESTION 1

What is the overall sentiment of tweets related to esports competition of 2022 EGX and IEM events? Either it was positive, negative, or neutral.

EXPLANATION AND BACKGROUND

It is really important to understand that whenever we ask question there is always some background behind that and most of the time that question starts with some sort of curiosity in someone's mind.

In my whole life I have never played any esports and may be the reason behind it is that in my region of the world we even lack basic facilities like proper water, gas, electricity. So that is why no one around me ever thought about esports or encouraged me to go towards that.

After getting enrolled into this course, I started researching and then I came to realize that esports industry worldwide is around 1.1 billion dollar and I was like wow, this is something really cool and amazing.

I have had never thought about it in this way, then I kept on researching about esports and I was amazed by seeing the amazing work that is already been done in China, Japan, Germany, and other countries.

I really loved the professionalism of JerAx, Lee Sang-hyeok, N0tail and many other players. The way they are dealing within this industry is fantabulous. So, after doing all this research I have been into researching about esports events and then I saw numerous events and when I dig deep into these events then I realized the enormous potential, fan base and much more about that.

Next step was obvious to check their Facebook, Instagram, and twitter. Before researching about that I have been thinking about doing some project on sentiment analysis of any website. When I saw this opportunity, so I mixed my creative mind and discussed with you on email that I am interested in analysing the sentiment analysis of esports events.

After getting green signal from you, next step was to find the right questions for this analysis and to be honest in last 3 months I have changed my analysis questions five to six time because whenever I look for something and define my question clearly, I face some hurdle of not able to finding out the right data or even I was able to find data, the predictions and results that I got from that looks so vague and dissatisfying that's why I needed to change it again and again.

In my esports journey, it was the first time when I realized that if I will do the sentiment analysis of any two events twitter pages and then in conclusion if I compare their results then I can help organizers or stakeholder that one event had more positive response and it's the right time to dig deep into it and do thorough research why one had more positive response then other. So that in future they may also get some better results.

QUESTION 2

Predicting IEM 2022 Dallas finalized sixteen teams' success ratio on the basis of the sentiment of the tweets on their twitter.

CLOSED QUALIFIER 16 TEAMS ARE

1. FaZeClan
2. FURIA
3. natusvincere
4. AstralisCS
5. G2esports
6. heroicgg
7. ENCE
8. NIPCS
9. Cloud9
10. TeamVitality
11. Entropiqteam
12. mousesports
13. TeamLiquidCS
14. Complexity
15. imperialesports
16. LFOcsgo

EXPLANATION AND BACKGROUND

The reason behind selecting IEM specifically is that IEM is one of the top esports events in the world and they select their teams on very tough criteria.

If I do tell you about my findings about IEM then these findings were that they arrange their tournaments worldwide and the best part of arranging it worldwide is that the more diversity, the more popularity, and awareness of these events.

And the regions around the globe get more benefit of these events. One of IEM best events are also held Katowice, Poland. Other places where they also arrange their events also include Chicago, Shanghai, and Sydney.

Another crazy fact that kept my attention was the amount of prize money that winning teams get was really high. This amount is in $100,000+ and if young players those are also professional players and they are earning this much money then its fantastically amazing.

So that is how I came to know that IEM Dallas is going to happen in June 2022 and when I checked teams those are participating in IEM Dallas twitter accounts so yes, I saw lots of tweets regarding the appreciation and congratulation of this event. So, then I realized that it would be good to predict the future on the basis of tweets.

What does it really mean is that, if one team have lots of positive reviews? Does it really mean or define that this team is going to be the most successful one?

QUESTION 3

Top five games of EGX in 2021 and excitement sentiment analysis to help organizers in understanding the real sentiment of each game separately not as a whole event.

Five of the Best Games of EGX 2021

1. Honey, I Joined a Cult
2. Thymesia
3. Coffee Talk Episode 2: Hibiscus & Butterfly
4. Grapple Dog
5. Harp Song

EXPLANATION AND BACKGROUND

In order to understand the background of this question first we have to see that whenever we see any esports event then we generalize the overall success of that event but if we dig deep down and try to understand like yes, we know that one of the events in esports industry was good.

But in actual what is the most important thing that people find most fascinating about this event, in general it could be the overall management, marketing, promotions, lighting and anything else. But here if I specify specifically that yes in EGX 2021 people find these five games the best.

Here the curiosity did not end, here one more question comes in to the mind of an individual like me that yes ok, we know that people like these games but here we can do one more thing we can go to these games twitter accounts and then lets investigate or check that what is the sentiments of people towards these games. Does the sentiment of people really match with the popularity of these games?

For example, if I found all five best games of EGX 2021 but when I do sentiment analysis of their twitter and found that people love these games. Then it is going to be in the must list of event organizers in 2022 events. This is how this analysis will help event organizers in being on the right track. In the real world, people acceptance and likeability of anything makes anything linked with it more likeable.

EGX

EGX (formerly known as Eurogamer Expo) is an annual video game trade show organised by Gamer Network and hosted in the United Kingdom and Germany.

- 4,000 people attended the first Eurogamer Expo, which took place at the Old Truman Brewery as part of the London Games Festival in 2008.
- At the end of October 2009, the show was held at the Royal Armouries in Leeds and the Old Billingsgate Market in London.
- Between 2010 and 2014, the event was held at London's Earls Court for the next five years.
- Rezzed, a PC and indie games show spun off from Eurogamer Expo, was announced in 2012 by Eurogamer and Rock, Paper, Shotgun.
- The Eurogamer Expo was renamed EGX London in October 2013, while Rezzed was renamed EGX Rezzed. The EGX London brand was dropped in 2014, and the show was renamed simply EGX after moving to the Birmingham NEC.
- A third event in Berlin, Germany, was announced on February 21, 2018.

These were all of the facts that I have gathered from different internet resources but the most exciting thing about EGX that I found out were the extra activities that are also part of these events

- Games & Experiences
- Stages & Panels
- The Leftfield Collection
- Portfolio Reviews and much more

INTEL EXTREME MASTERS

- The Intel Extreme Masters (IEM) is a global esports competition series that takes place in countries all over the world.
- As of 2022, these Electronic Sports League (ESL) sanctioned events, sponsored by Intel, are hosting Counterstrike: Global Offensive and StarCraft II tournaments. Previously, other game titles were hosted.
- Turtle Entertainment is the company that owns the league. As of 2022, the League has completed sixteen seasons.

IEM SEASONS

- Season I
- Season II
- Season III
- Season IV
- Season V
- Season VI
- Season VII
- Season VIII
- Season IX
- Season X
- Season XI
- Season XII
- Season XIII
- Season XIV
- Season XV
- Season XVI

DATA PROCESSING AND ANALYTICAL METHODS

STEP BY STEP PROCESS OF QUESTION 1

EGX AND IEM TWEETS SENTIMENT ANALYSIS

While doing my google data analytics certification, I came to know that whenever as a data analyst I need to solve any problem then I must follow these six steps then it would be easy for me to find the solution of any problem as accurately as possible. That is why I am following these steps, and these are the exact steps that I took to go from raw data to cleaning and then implementing and getting the results

- **ASK:** In this step we define the exact problem and after defining the exact problem we start asking ourselves the questions. Because we always need answers for the betterment of process or anything else. I had already explained the question part above in the document so moving towards the other important parts. As 2022 events are coming so we are overall analysing the twitter sentiment analysis of these events.

- **PREPARE:** After asking the right questions, it is our responsibility to prepare as much as we can for the analysis. The data that is required for analysis and the preparation of that data. In order to do the sentiment analysis of the esports event EGX and IEM we need twitter API and in order to get twitter API, I have spent a lot of time by emailing twitter team and letting them understand why I need this API, how I will use It.

  I am going to use this in any political work or anything else. But after lots of email and requesting him that I need it for my university project they allowed me to use the API just for university work.

- **PROCESS:** After this the next steps of coding started in jupyter notebook of anaconda, and I did these things

  1. Installed libraries (tweepy, textblob, wordcloud, pipreqs)
  2. Imported all imported stuff
  3. Inserted twitter API credentials
  4. Created the authentication object

- **ANALYSIS**

  1. From twitter timeline, number of tweets extraction of EGX and IEM
  2. Full text strings extraction via loop
  3. Putting all these extracted tweets into data frames
  4. Cleaning the tweets, because while extraction, sometimes we got many useless characters. That are not linked with the project.
  5. Cleaned text of tweets
  6. Sentiment analysis on the basis of polarity and subjectivity
  7. All extracted tweets subjectivity and polarity check.

8. Out of one hundred total number of positive, negative, and neutral count. We can do 1000, 2000 or any number. Just for the sake of convenience, one hundred was the suitable number.
9. Plotted the scattered plot in order to see it visually.
10. Pie graph is also plotted to have better understanding in just nanoseconds.
11. Bar graph was plotted to see comparison on same scale.
12. Negative tweets are separated
13. Positive tweets are separated are also separated.
14. Neutral tweets are separated as well.

- **SHARE**

1. Plotted the scattered plot in order to see it visually.
2. Pie graph is also plotted to have better understanding in just nanoseconds.
3. Bar graph was plotted to see comparison on same scale.
4. Negative tweets are separated
5. Positive tweets are separated are also separated.
6. Neutral tweets are separated as well.

- **ACT**

Here after finding out the results of EGX and IEM. The act part is remained on the organizers part that they may use the sentiment analysis and ask more questions, understand problems more accurately and get more benefit of the data and data analysts.

STEP BY STEP PROCESS OF QUESTION 2

IEM 2022 FINALIZED TEAMS TWITTER SENTIMENT ANALYSIS

The steps that I took here are also bit similar like in question one. The procedure is bit similar but the analysis back and question makes it different and the results that I got are also different. In appendix you can easily see the extracted tweets to get better understanding. These are the exact steps that I took to go from raw data to cleaning and then implementing and getting the results. Here we need to analyse the sixteen team of 2022 Dallas event. So, it is a bit lengthy work 16-time repetition of code. But the analysis worth it.

- **ASK:** In this phase, we define the problem: I want to predict the success of team on the basis of Twitter sentiments of the IEM 2022 DELLAS teams. I will check in a criterion that if more favourable tweets mean they will win. Moving on to the other crucial elements of the text, I had previously described the question part above.
- **PREPARE:** After asking the appropriate questions, it is our responsibility to prepare as much as possible for the analysis. The data that will be used in the analysis, as well as the data preparation. As I said in the first half of the question, I used the Twitter API to undertake sentiment analysis of these teams' esports.
- **PROCESS:** After this the next steps of coding started in jupyter notebook of anaconda, and I did these things for the analysis of

1. Installed libraries (tweepy, textblob, wordcloud, pipreqs)
2. Imported all imported stuff
3. Inserted twitter API credentials
4. Created the authentication object

- **ANALYSIS**

1. Number of tweets from Twitter timeline of all sixteen teams' extraction
2. Loop extraction of whole text strings
3. Organizing all of the tweets into data frames
4. Cleaning the tweets because we sometimes get a lot of unnecessary characters during extraction. That have nothing to do with the project.
5. Tweets have been cleaned up.
6. Analysis of emotion based on polarity and subjectivity
7. Subjectivity and polarity of all extracted tweets were checked.
8. The total number of positive, negative, and neutral votes is one hundred. We can do 1000, 2000, or any other amount you choose. One hundred was a suitable number just for the sake of convenience.
9. To view the scattered layout graphically, I plotted it.

10. Of order to gain a better understanding in nanoseconds, a pie graph is also displayed.
11. Of order to gain a better understanding in nanoseconds, a pie graph is also displayed.
12. The comparison was plotted as a bar graph on the same scale.
13. Negative tweets are filtered out.
14. Positive tweets are segregated from negative tweets.
15. Neutral tweets are also divided.

- **SHARE**

1. Visualized the fragmented scheme by plotting it out.
2. A pie graph is also shown to aid comprehension in nanoseconds.
3. A bar graph was created to compare the results on the same scale.
4. Negative tweets are distinguished.
5. Positive tweets are isolated from negative tweets.
6. Neutral tweets are also divided.

- **ACT**

After learning the results of the sixteen teams who are going to compete in Dallas, I came here to this point that all are best team but here the main responsibility for action remains with these teams and organisers so that they may use sentiment analysis to ask more questions, better comprehend challenges, and gain more benefit from data and data analysts.

STEP BY STEP PROCESS OF QUESTION 3

EGX 2021 TOP 5 GAMES TWEETS SENTIMENT ANALYSIS

As I had already mentioned in detail about question three part that it is going to be the analysis of top five EGX games of 2021. These are the exact steps that I took to go from raw data to cleaning and then implementing and getting the results.

- **ASK:** The question here is to see that which esports events in the number 1 according to most positive tweets in this sentiment analysis.
- **PREPARE:** I used the Twitter API to get all of the top five games at EGX 2021's tweets. The entire procedure that I used for this project is still in the works.
- **PROCESS:** After this the next steps of coding started in jupyter notebook of anaconda, and I did these things
    1. Installed libraries (tweepy, textblob, wordcloud, pipreqs)
    2. Imported all imported stuff
    3. Inserted twitter API credentials
    4. Created the authentication object
- **ANALYSIS**
    1. Number of EGX tweets extracted from Twitter timeline (Honey, I Joined a Cult solesurvivorgms, Thymesia (OverBorderGames), Coffee Talk Episode 2: Hibiscus & Butterfly (coffeetalk game), Grapple Dog (JoGribbin), Harp Song (harpsonggame)).
    2. Extraction of full text strings using a loop
    3. Organizing all of the tweets into data frames
    4. Cleaning the tweets, as we occasionally get a lot of useless characters during extraction. That have no bearing on the project.
    5. Twitter text has been cleaned.
    6. Analysis of emotion based on polarity and subjectivity
    7. Check the subjectivity and polarity of all extracted tweets.
    8. out of a total of one hundred positive, negative, and neutral counts We can do 1000, 2000, or any other amount you choose. One hundred was a suitable number just for the sake of convenience.
    9. Made a visual representation of the fragmented plot.
    10. A pie graph is also displayed to aid comprehension in nanoseconds.
    11. A bar graph was created to compare the results on the same scale.
    12. Negative tweets are distinguished.

13. Positive tweets are isolated from negative tweets.
14. Neutral tweets are also divided.

SHARE

1. Plotted the scattered plot in order to see it visually.
2. Pie graph is also plotted to have better understanding in just nanoseconds.
3. Bar graph was plotted to see comparison on same scale.
4. Negative tweets are separated
5. Positive tweets are separated are also separated.
6. Neutral tweets are separated as well.

- **ACT**

Here after finding out the results of EGX best five games. The act part is remained on the organizers part that they may use the sentiment analysis and ask more questions, understand problems more accurately and get more benefit of the data and data analysts.

VISUALIZATIONS AND EXPLANATIONS

QUESTION # 1

Here are the findings of the EGX and IEM EVENTS

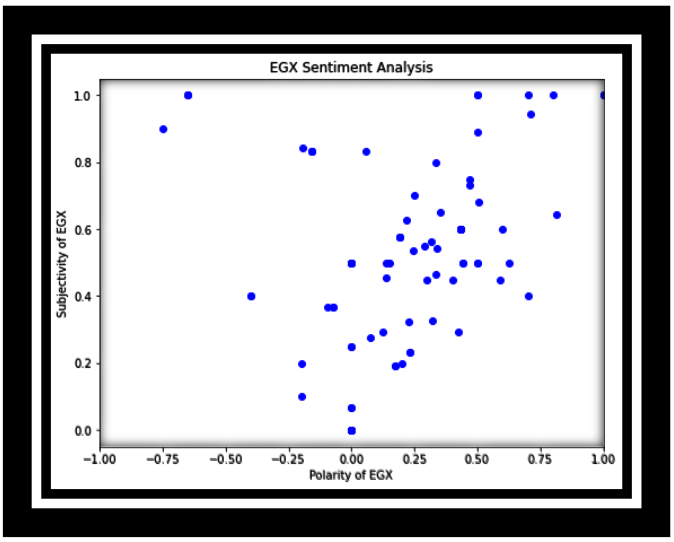

Figure 2: EGX SENTIMENT ANALYSIS SCATTER PLOT

Here this scatter plot is telling us that

- Around 50 percent sentiments are positive
- More than 30 per cent of them are neutral
- Fifteen percent are negative

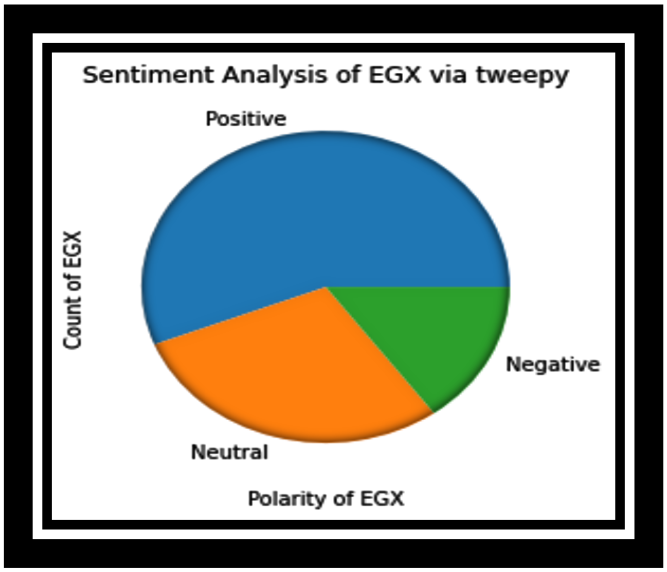

Figure 3: EGX SENTIMENT ANALYSIS PIE CHART

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

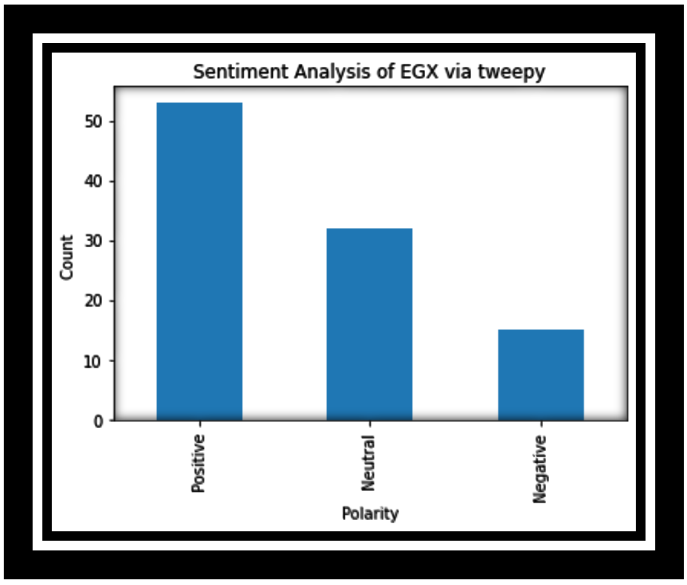

Figure 4: EGX SENTIMENT ANALYSIS BAR CHART

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of EGX.

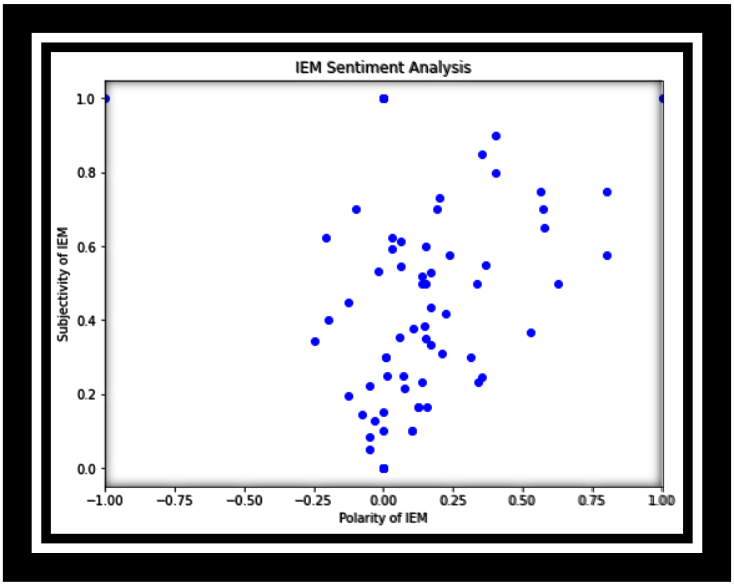

Figure 5: IEM SENTIMENT ANALYSIS SCATTER PLOT

Here this scatter plot is telling us that

- Around 45 percent sentiments are positive
- More than 40 per cent of them are neutral
- Fifteen percent are negative

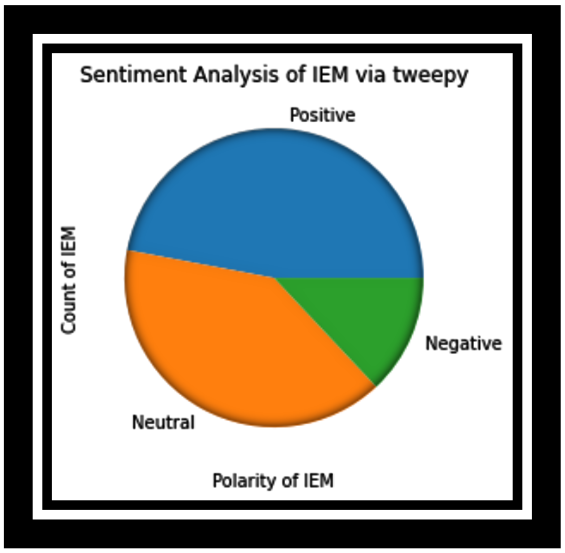

Figure 6: IEM SENTIMENT ANALYSIS PIE CHART

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively 45%
- Negatively 40%
- Neutrally 15%

It would be helpful for all stakeholders(organizers) to understand about it

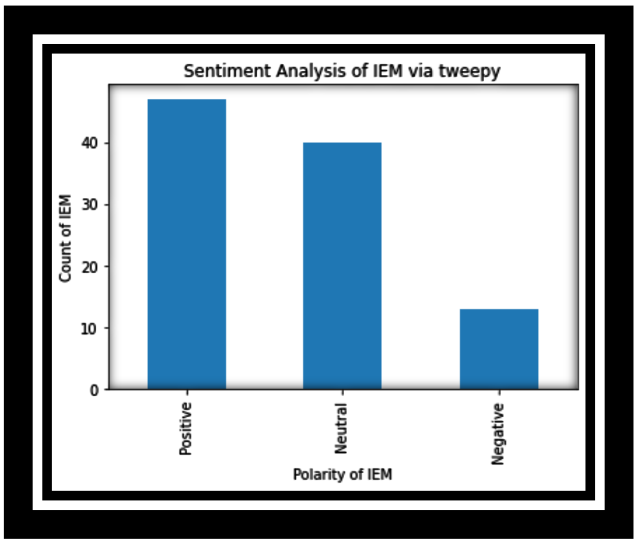

Figure 7: IEM SENTIMENT ANALYSIS BAR CHART

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of IEM

CONCLUSION QUESTION 1

The overall conclusion that we got from here is that EGX have fifty percent positive response which is more than IEM. It means that IEM must learn things from **EGX** and also do again in detail analysis of their event so that they may get more benefit from it.

	POSITIVE	NEGATIVE	NEUTRAL
EGX	**50**	**35**	**15**
IEM	**45**	**40**	**15**

QUESTION # 2

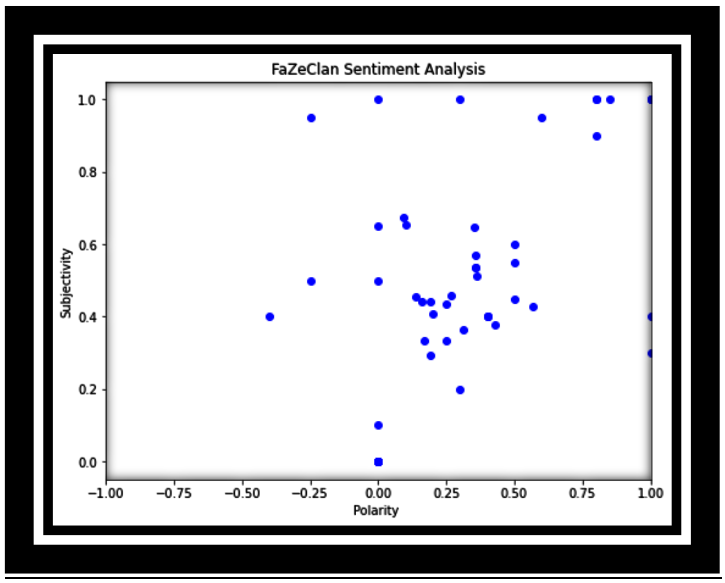

Figure 8: FaZeClan SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 40 percent sentiments are positive
- More than 55 per cent of them are neutral
- Five percent are negative

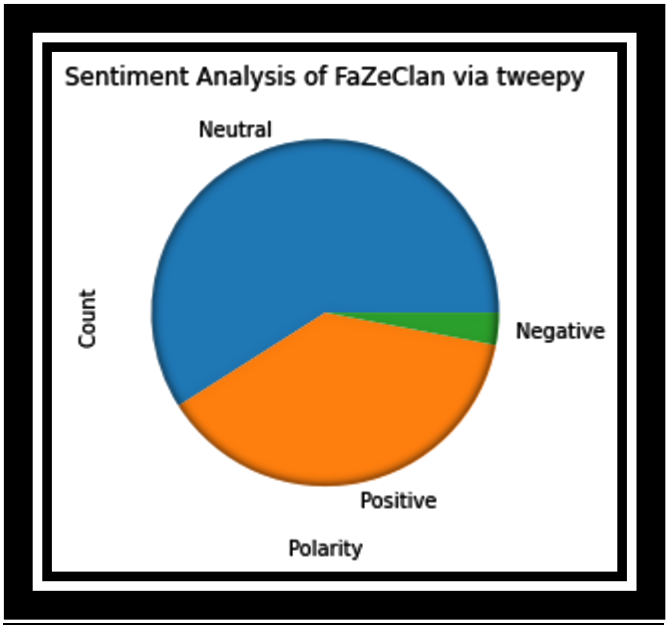

Figure 9: FaZeClan SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively

- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

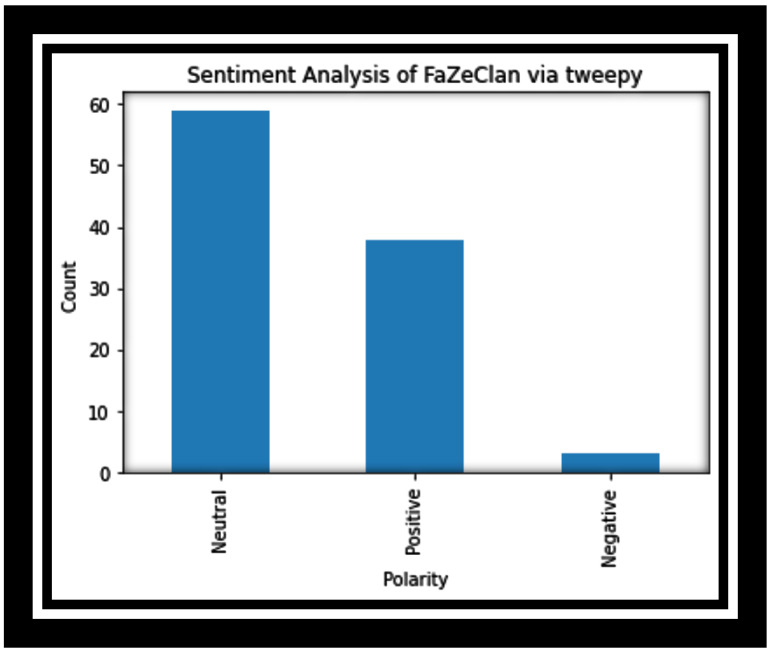

Figure 10: FaZeClan SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of FAZECLAN

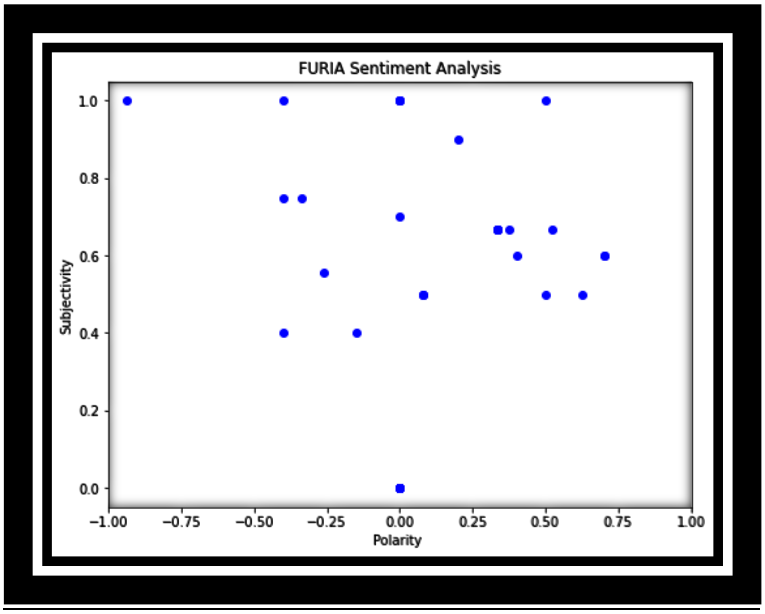

Figure 11:FURIA SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 18 percent sentiments are positive
- More than 78 per cent of them are neutral
- Six percent are negative

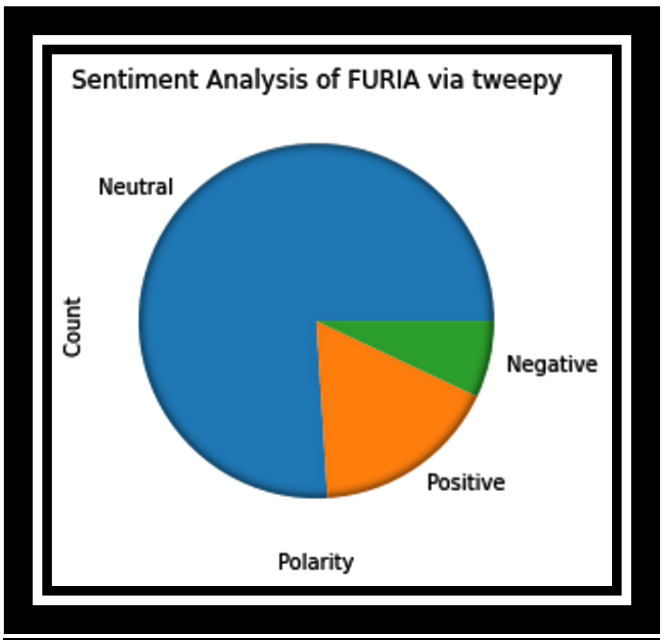

Figure 12:FURIA SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

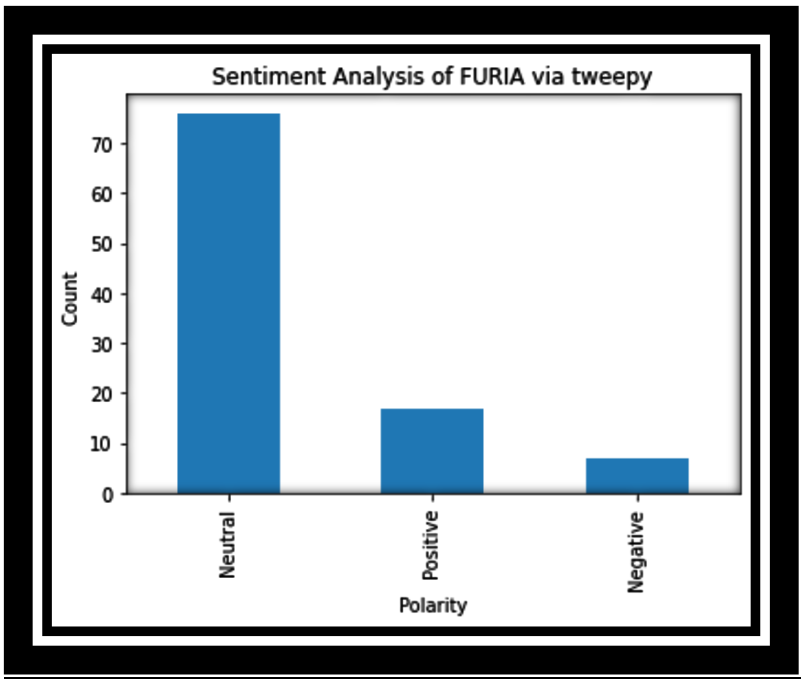

Figure 13:FURIA SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of FURIA

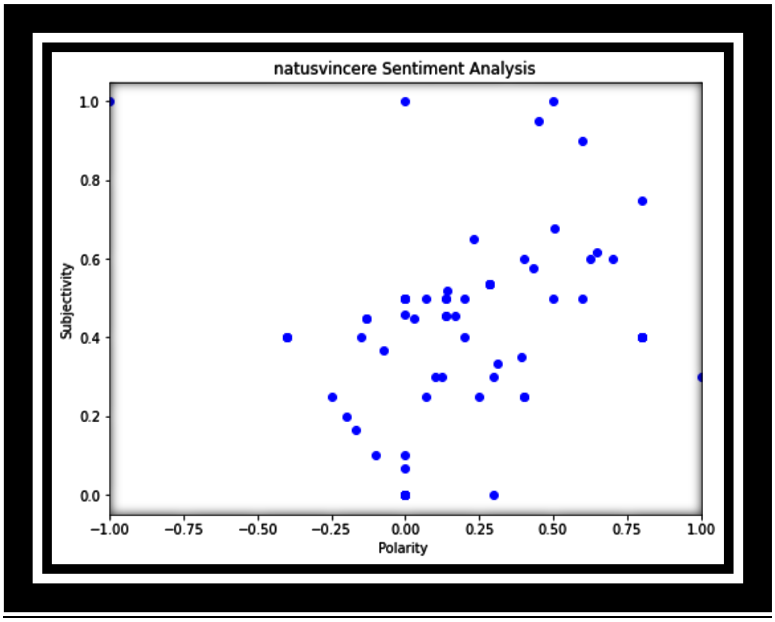

Figure 14: NATUSVINCERE SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 45 percent sentiments are positive
- More than 45 per cent of them are neutral
- Ten percent are negative

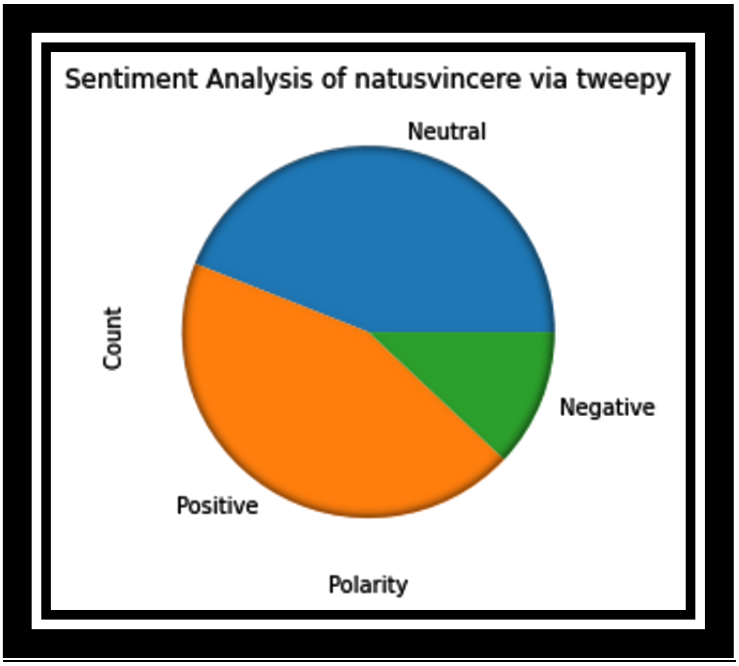

Figure 15: NATUSVINCERE SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

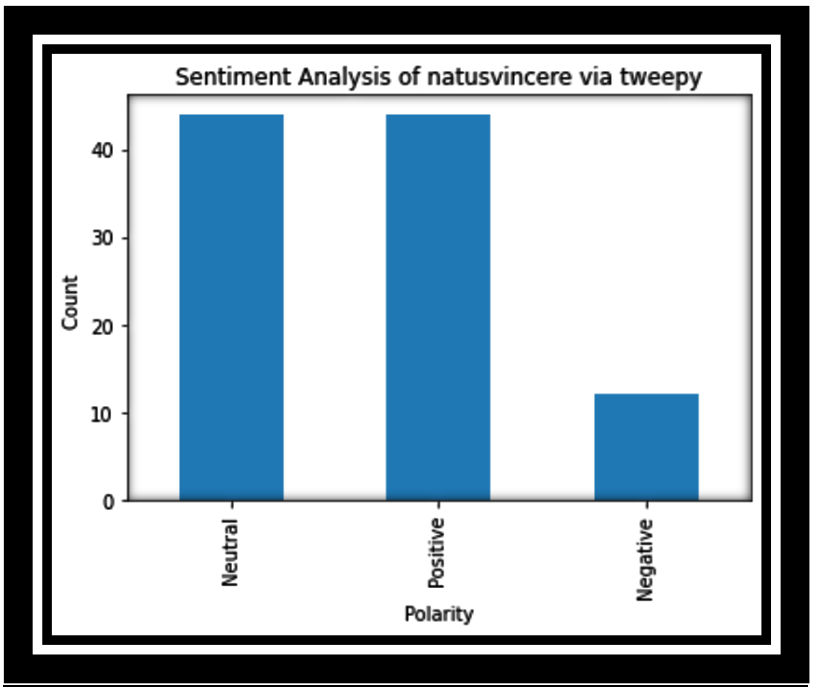

Figure 16: NATUSVINCERE SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of NATUSVINCERE

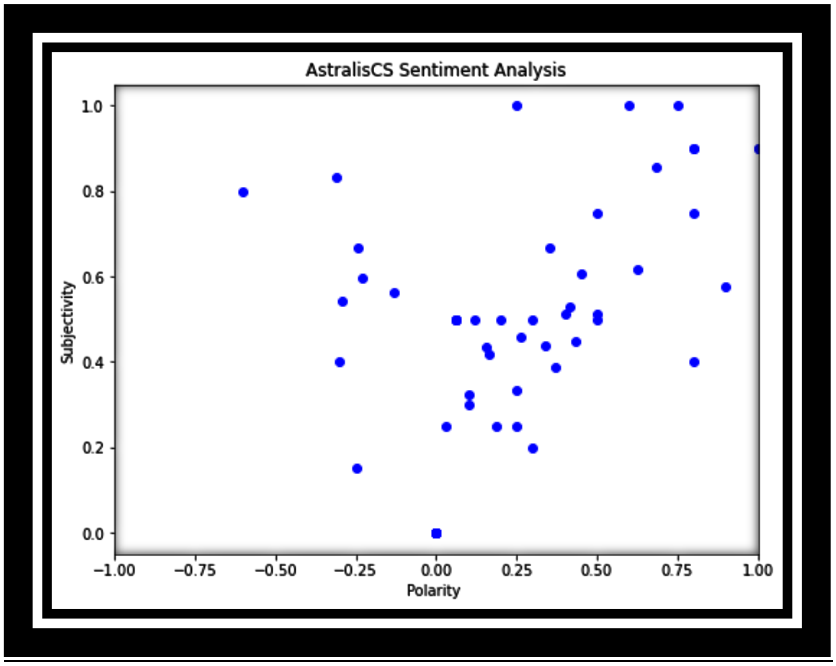

Figure 17: AstralisCS SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 40 percent sentiments are positive
- More than 55 per cent of them are neutral
- Five percent are negative

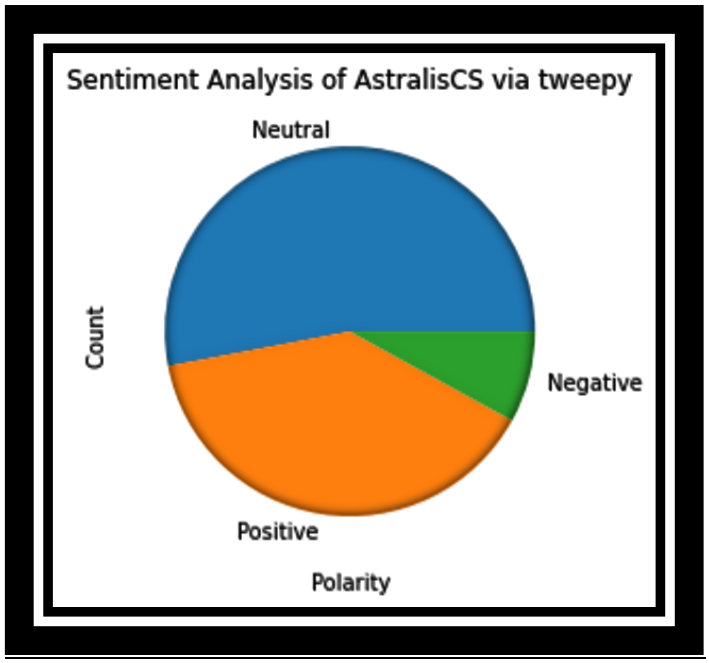

Figure 18: AstralisCS SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

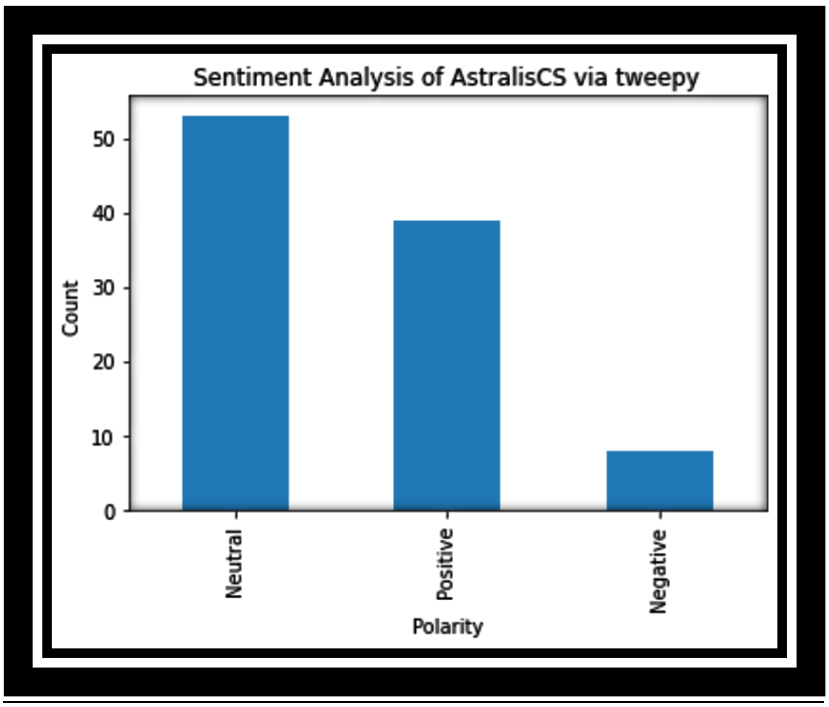

Figure 19: AstralisCS SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of ASTRALISCS.

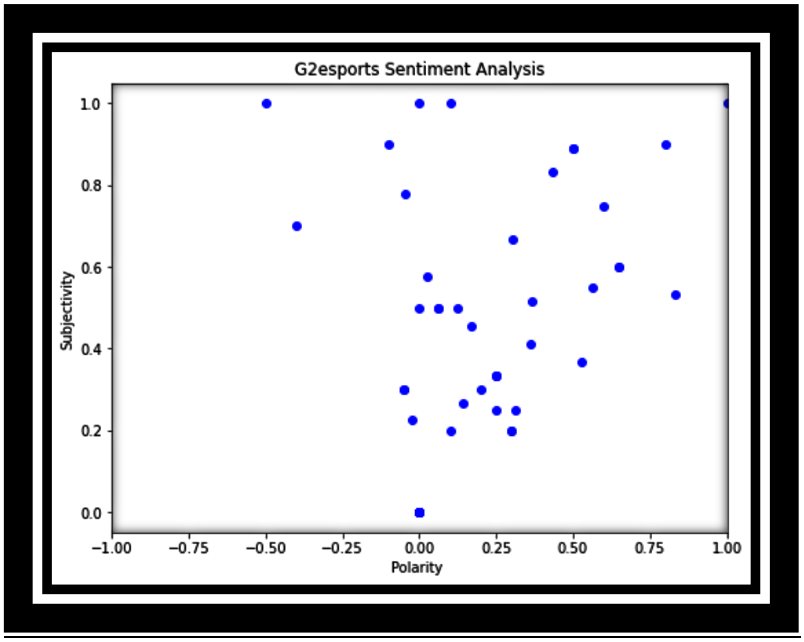

Figure 20: G2ESPORTS SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 30 percent sentiments are positive
- More than 64 per cent of them are neutral
- Six percent are negative

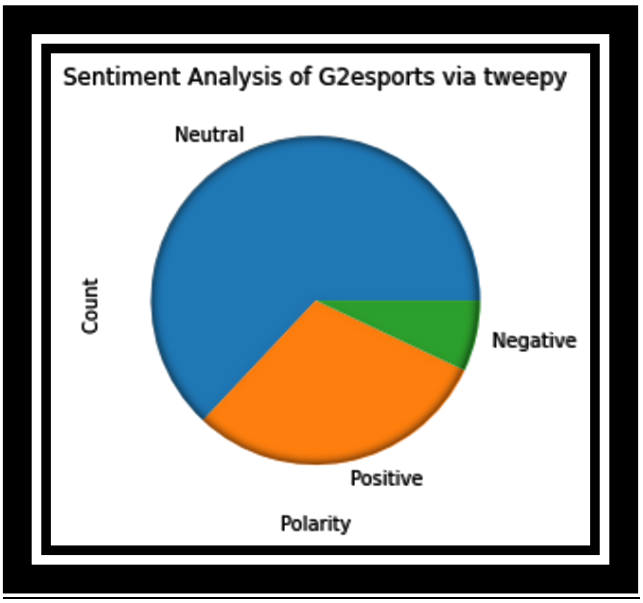

Figure 21: G2ESPORTS SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

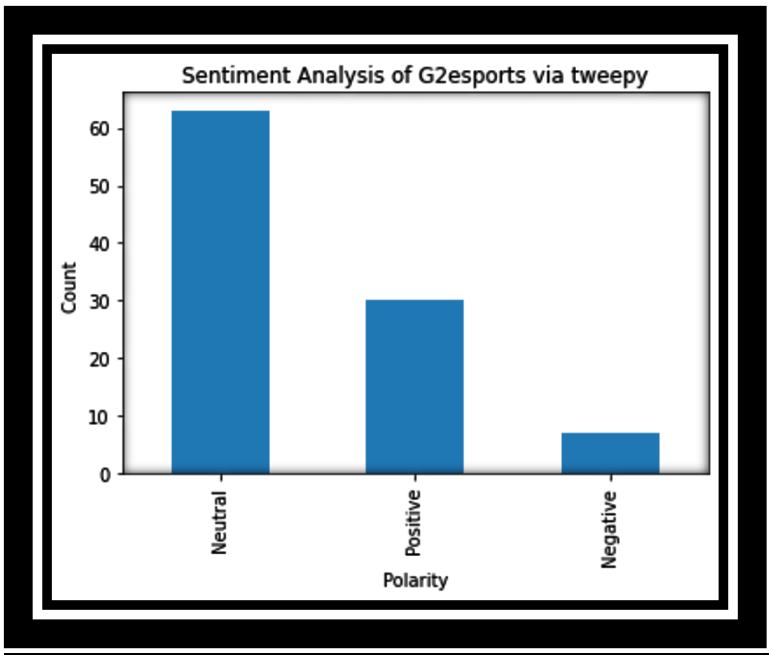

Figure 22: G2ESPORTS SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of G2ESPORTS.

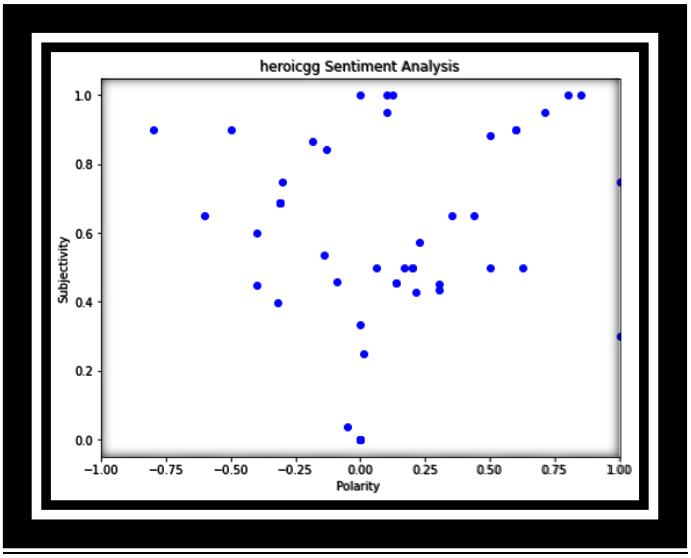

Figure 23: HEROICGG SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 55 percent sentiments are positive
- More than 25 per cent of them are neutral
- Twenty percent are negative

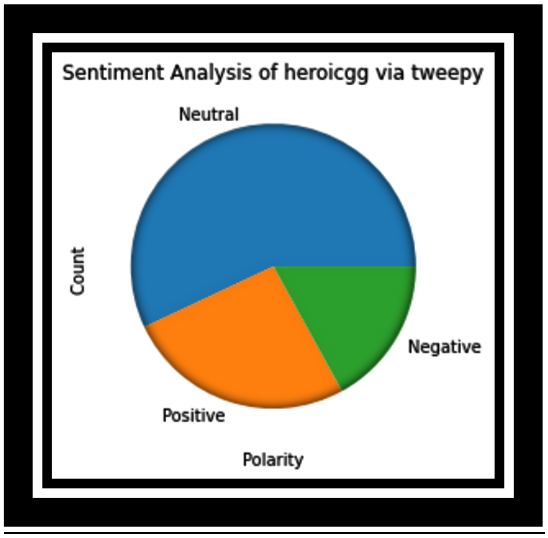

Figure 24: HEROICGG SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively

- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

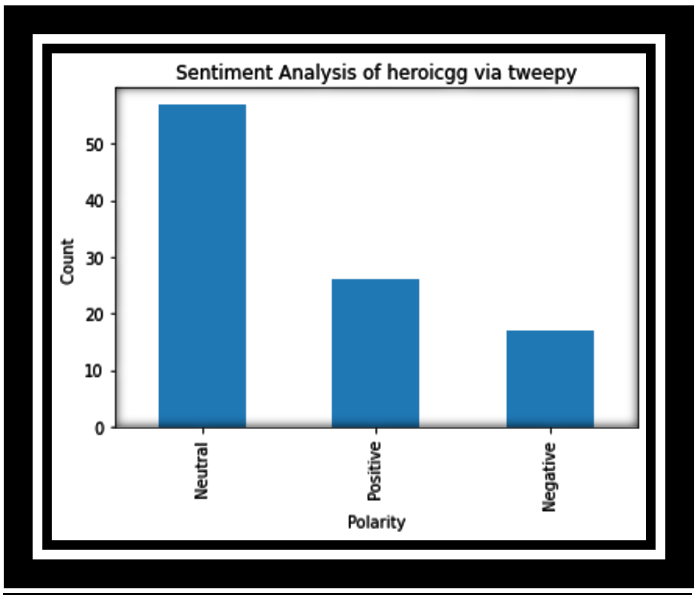

Figure 25: HEROICGG SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of HEROICGG

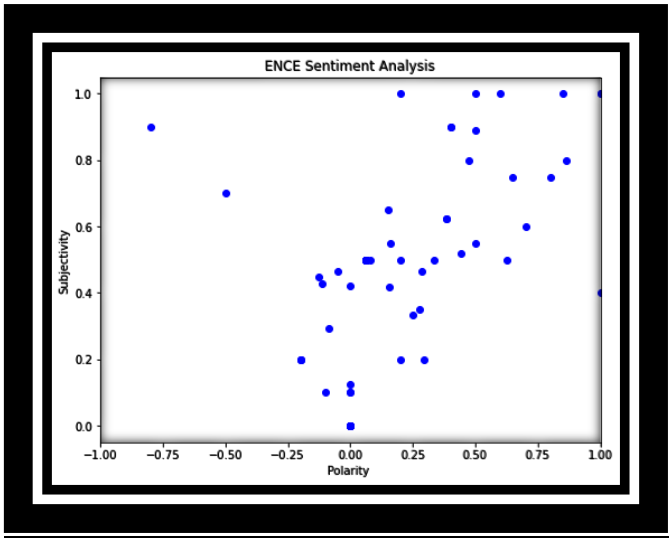

Figure 26: ENCE SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 40 percent sentiments are positive
- More than 50 per cent of them are neutral
- Ten percent are negative

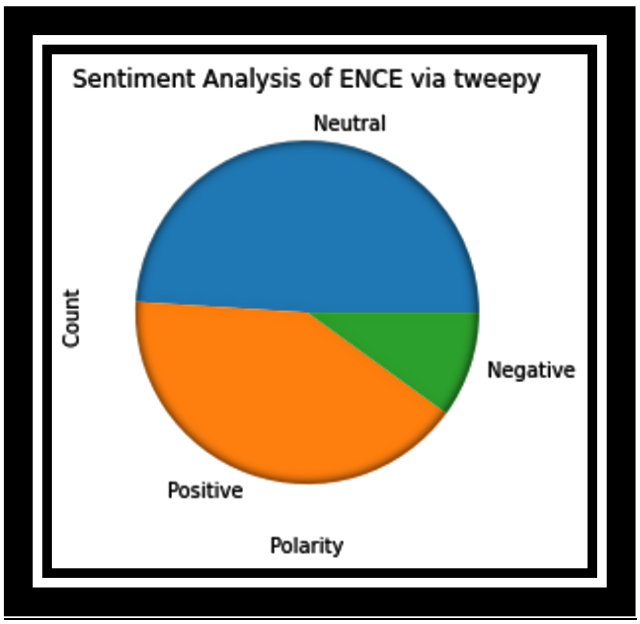

Figure 27: ENCE SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

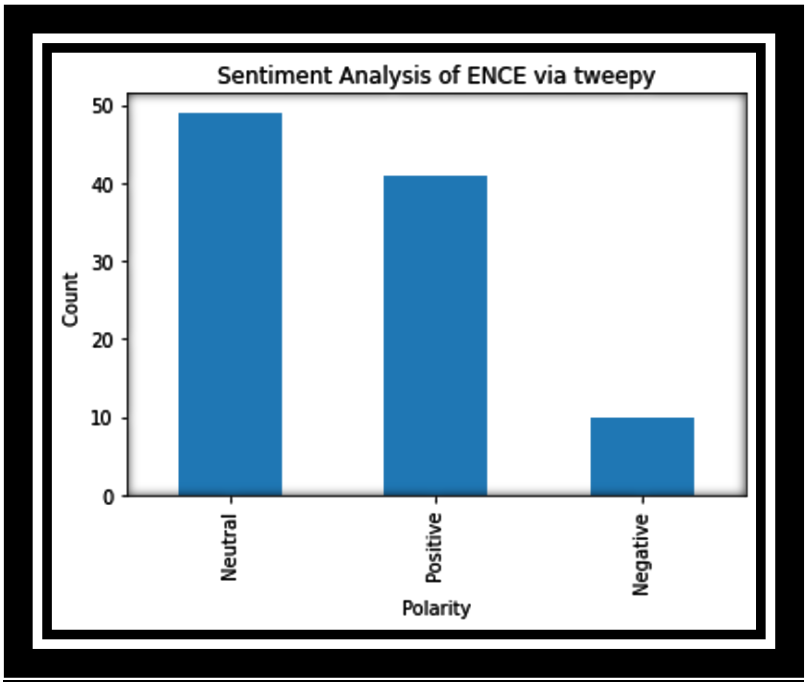

Figure 28: ENCE SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of ENCE

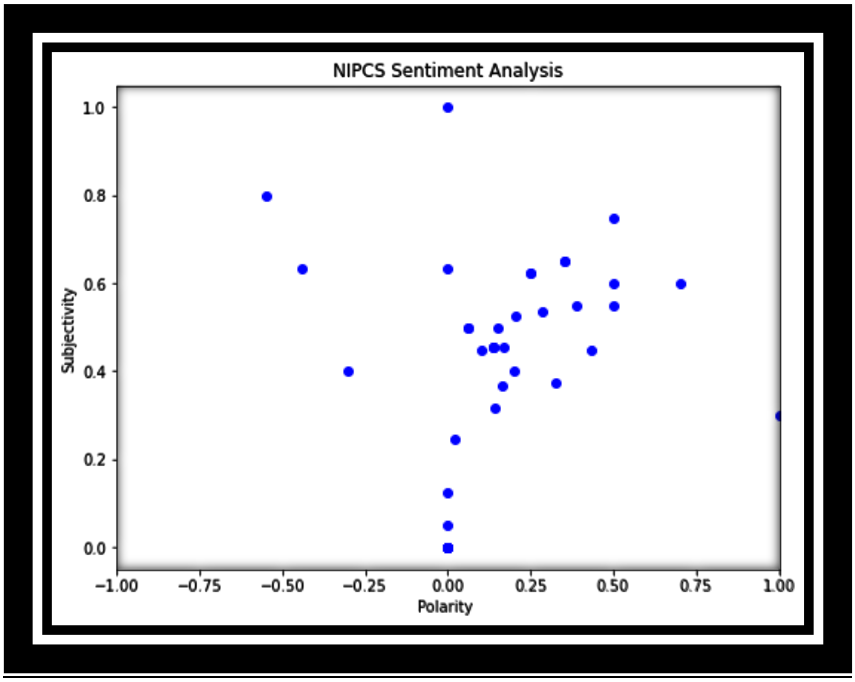

Figure 29: NIPCS SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 29 percent sentiments are positive
- More than 68 per cent of them are neutral
- Three percent are negative

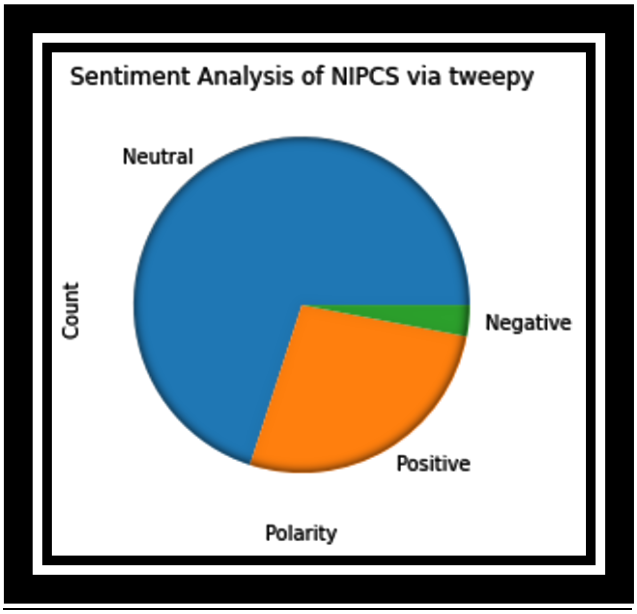

Figure 30: NIPCS SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

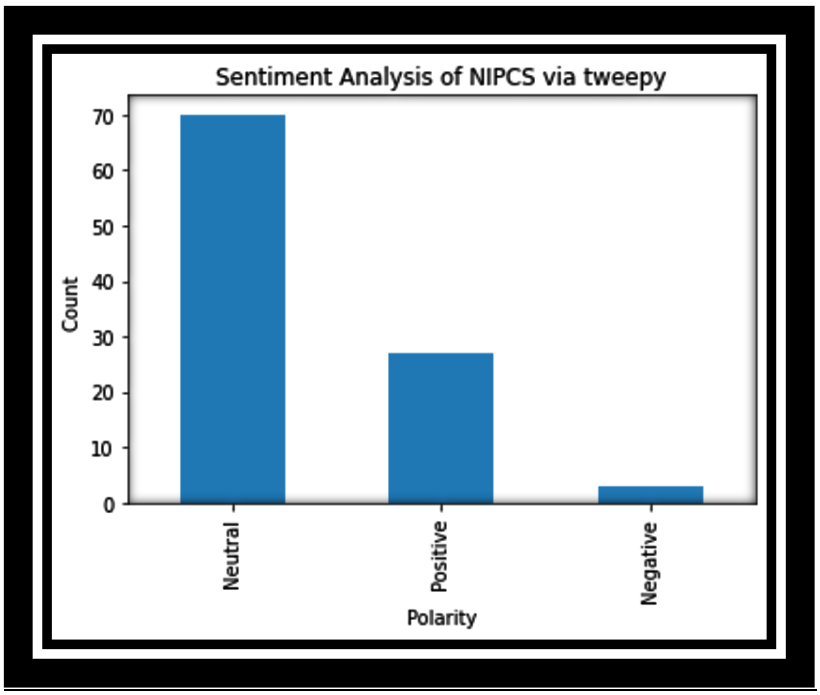

Figure 31: NIPCS SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of NIPCS

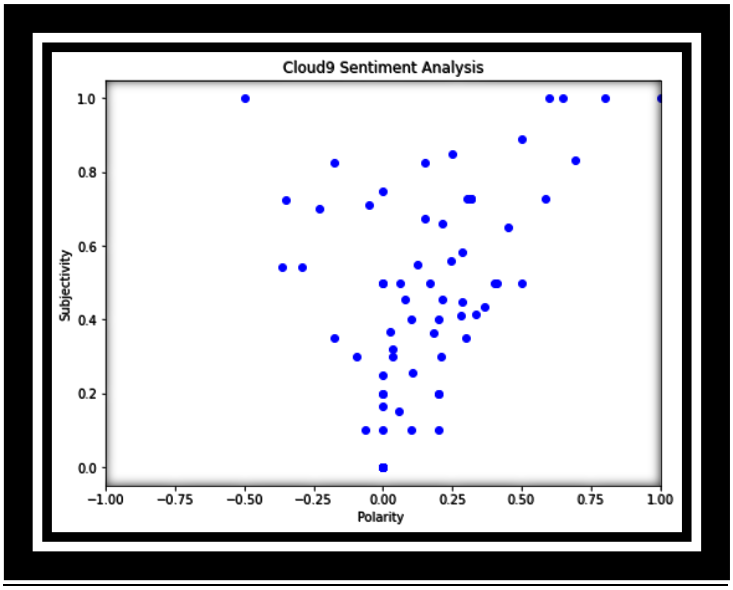

Figure 32: CLOUD9 SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 45 percent sentiments are positive
- More than 45 per cent of them are neutral
- Ten percent are negative

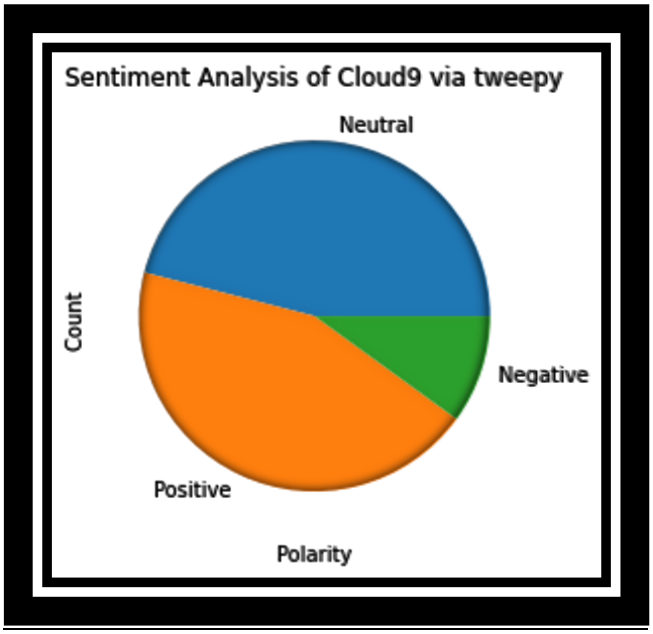

Figure 33: CLOUD9 SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

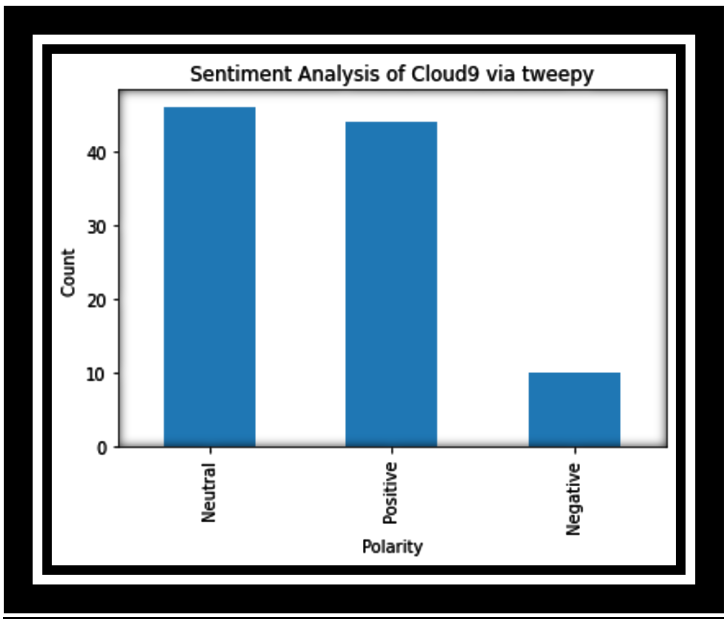

Figure 34: CLOUD9 SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of CLOUD9

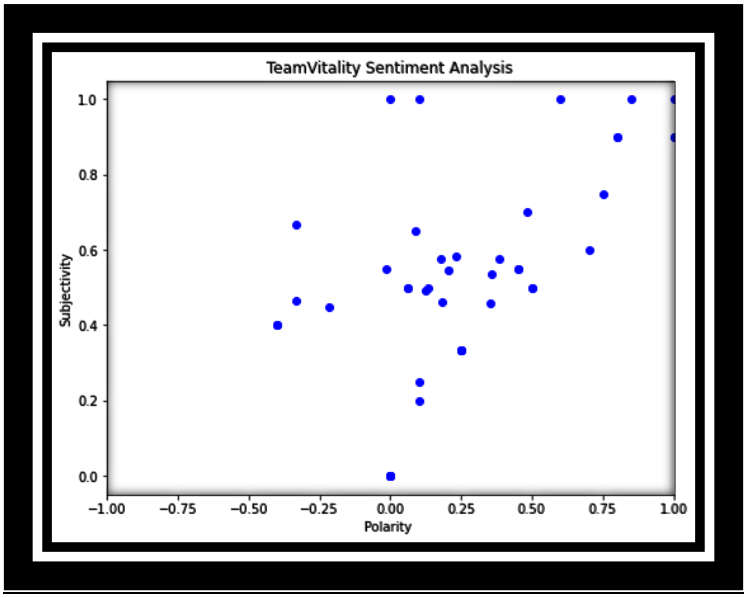

Figure 35: TEAMVITALITY SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 35 percent sentiments are positive
- More than 60 per cent of them are neutral
- Five percent are negative

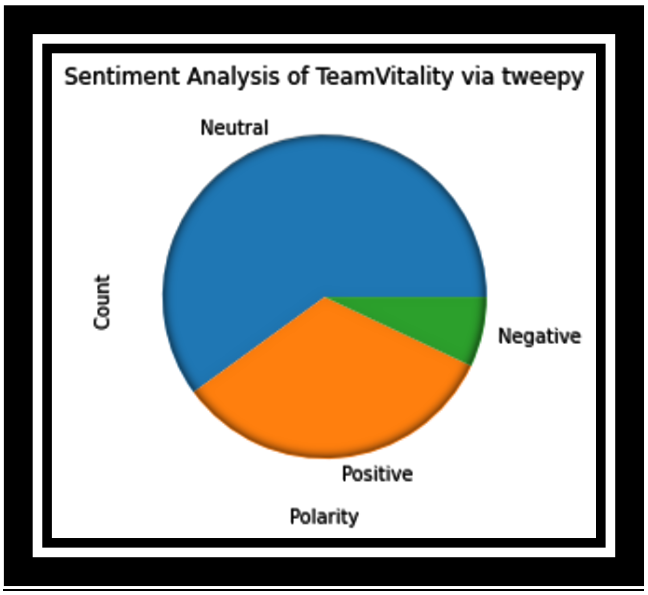

Figure 36: TEAMVITALITY SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

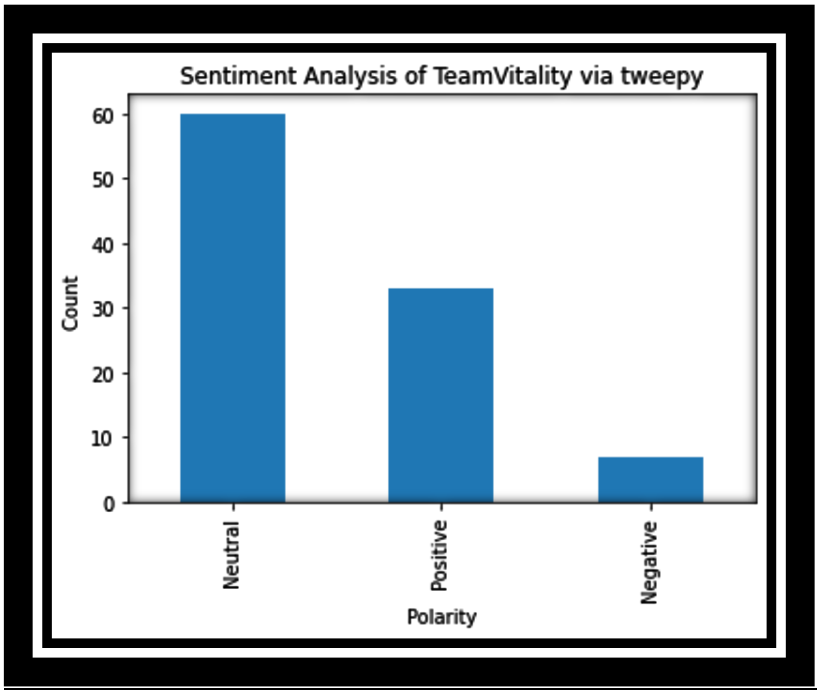

Figure 37: TEAMVITALITY SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of TEAMVITALITY

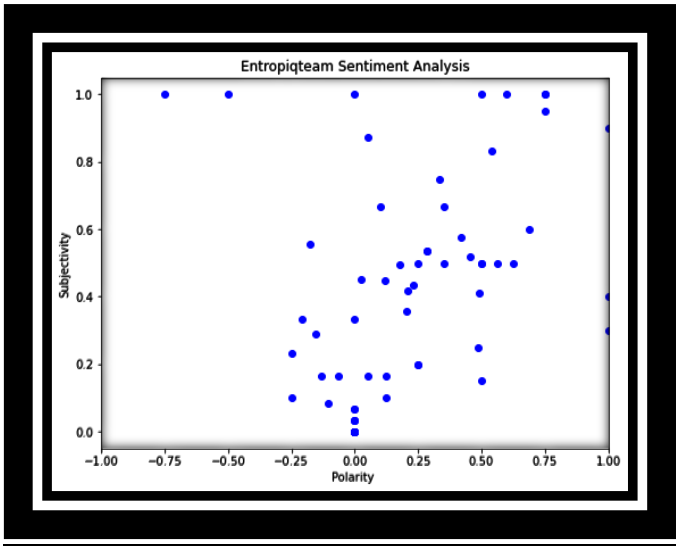

Figure 38: Entropiqteam SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 40 percent sentiments are positive
- More than 50 per cent of them are neutral
- Ten percent are negative

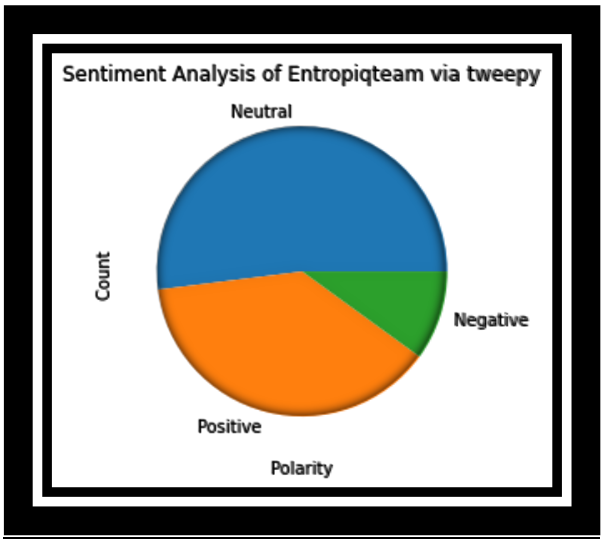

Figure 39: Entropiqteam SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively

- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

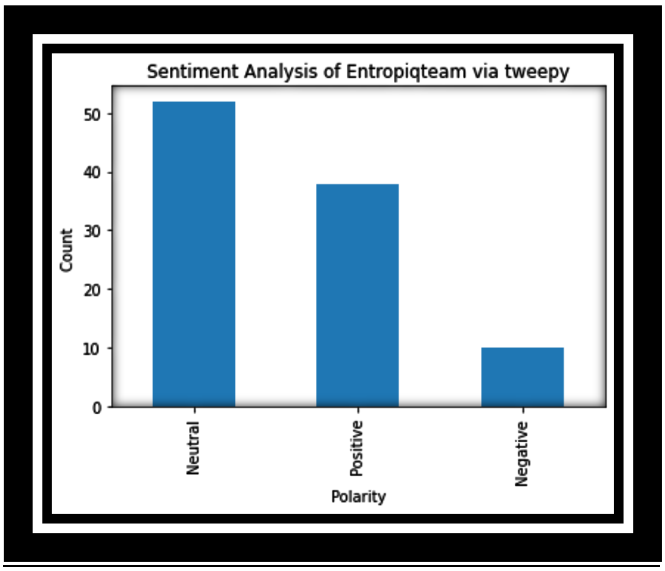

Figure 40: Entropiqteam SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of ENTROPIQTEAM

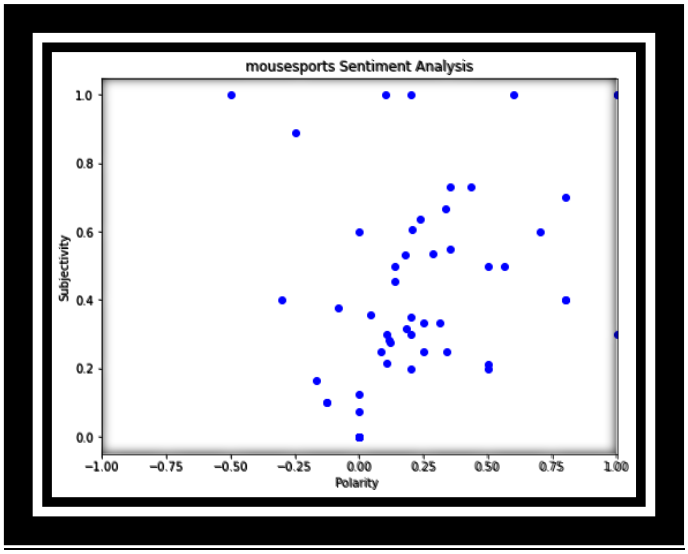

Figure 41: MOUSESPORTS SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 40 percent sentiments are positive
- More than 55 per cent of them are neutral
- Five percent are negative

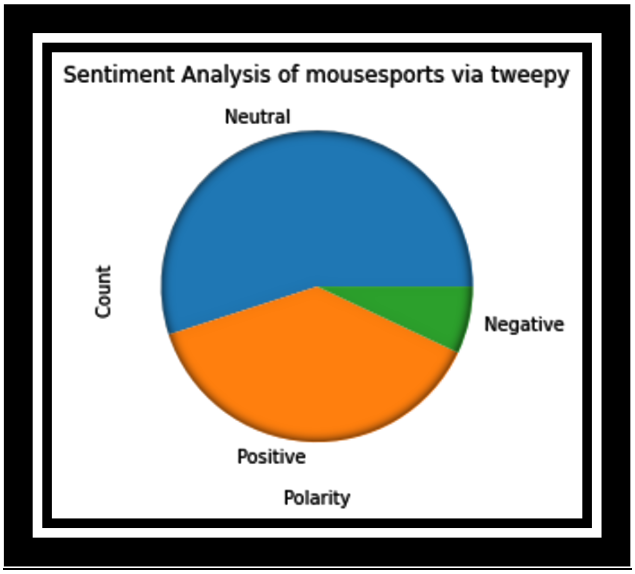

Figure 42: MOUSESPORTS SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively

- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

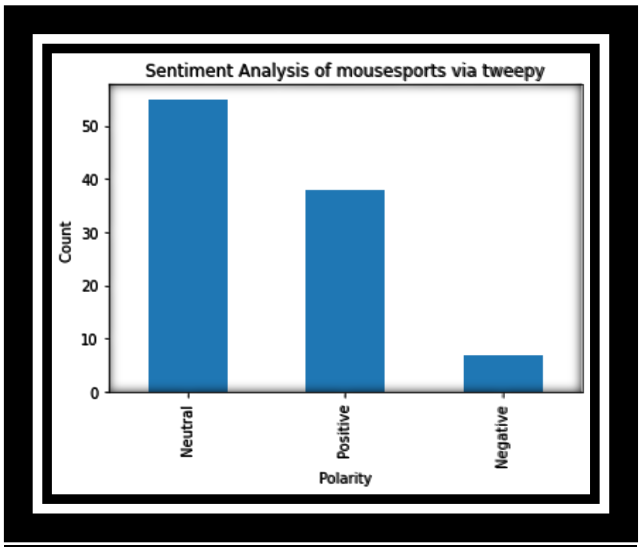

Figure 43: MOUSESPORTS SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of MOUSESPORTS

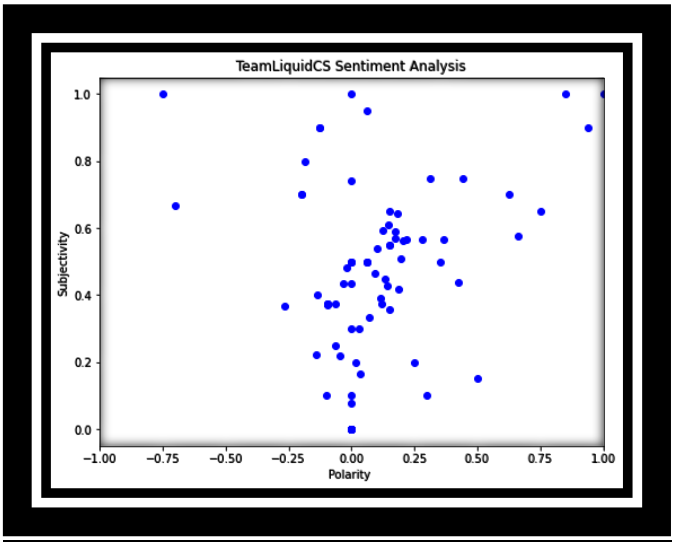

Figure 44: TEAMLIQUIDCS SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 45 percent sentiments are positive
- More than 35 per cent of them are neutral
- Twenty percent are negative

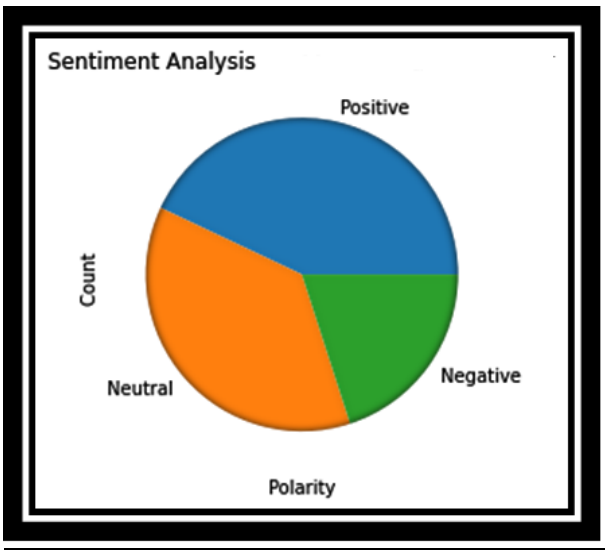

Figure 45: TEAMLIQUIDCS SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

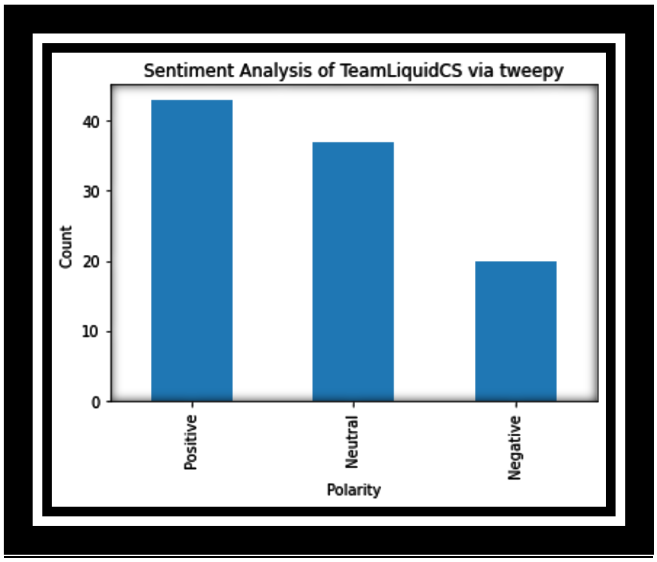

Figure 46: TEAMLIQUIDCS SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of TEAMLIQUIDS.

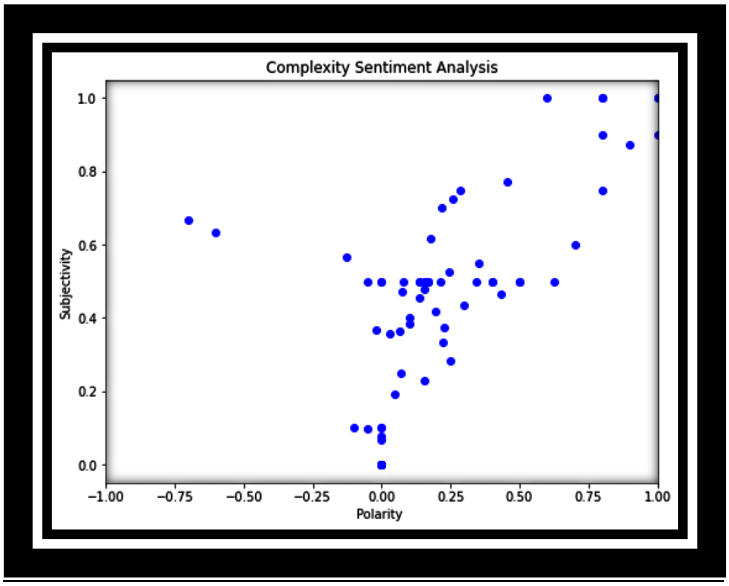

Figure 47: COMPLEXITY SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 48 percent sentiments are positive
- More than 47 per cent of them are neutral
- Five percent are negative

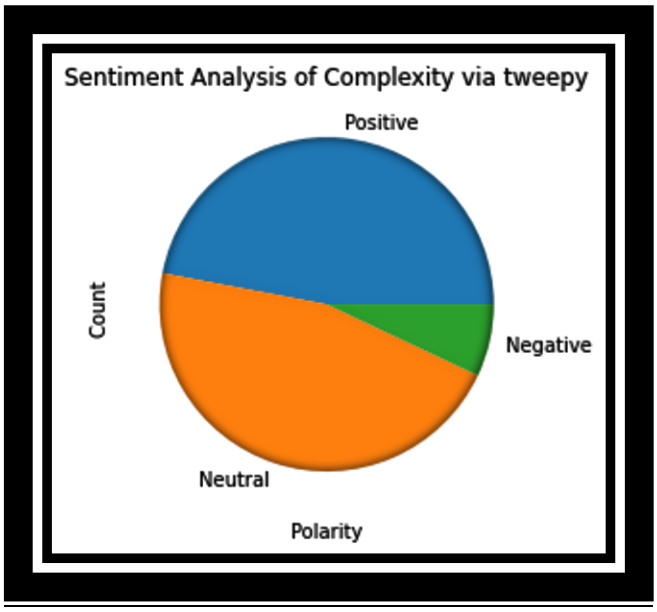

Figure 48: COMPLEXITY SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

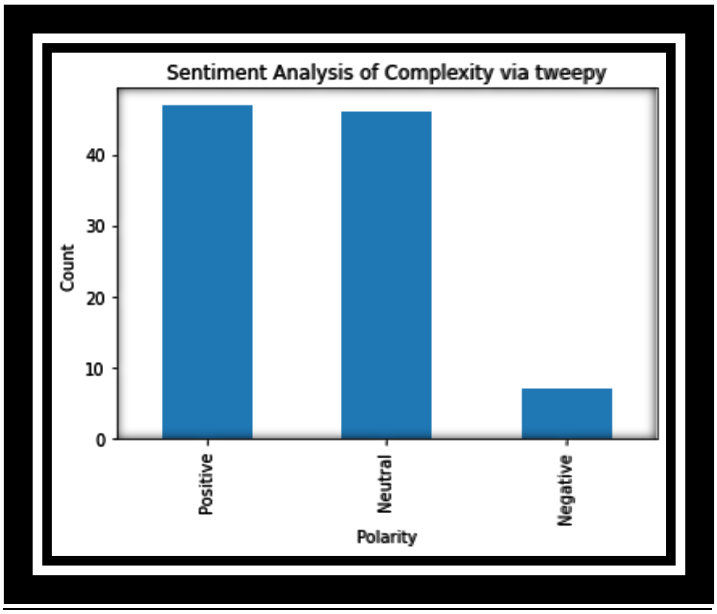

Figure 49: COMPLEXITY SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of COMPLEXITY

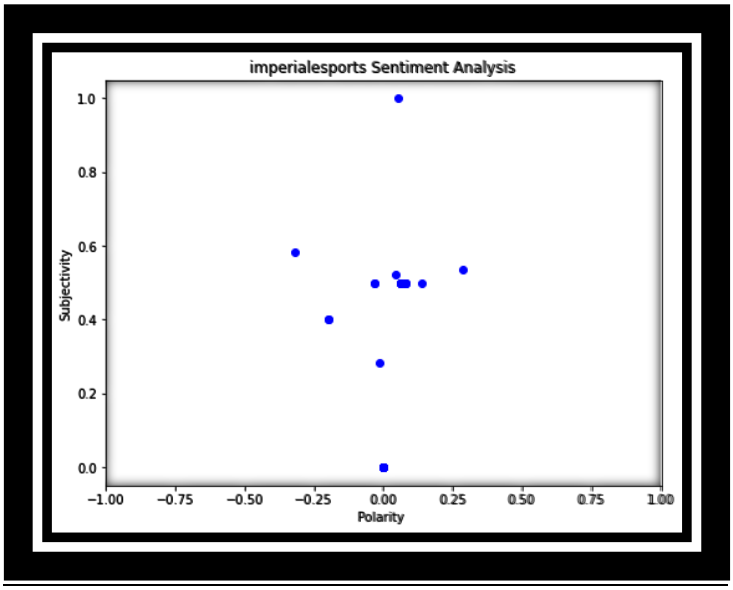

Figure 50:IMPERIALSPORTS SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 15 percent sentiments are positive
- More than 80 per cent of them are neutral
- Five percent are negative

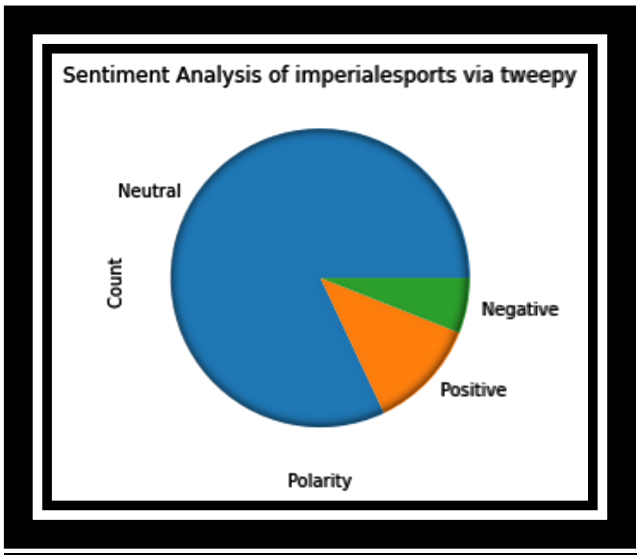

Figure 51:IMPERIALSPORTS SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

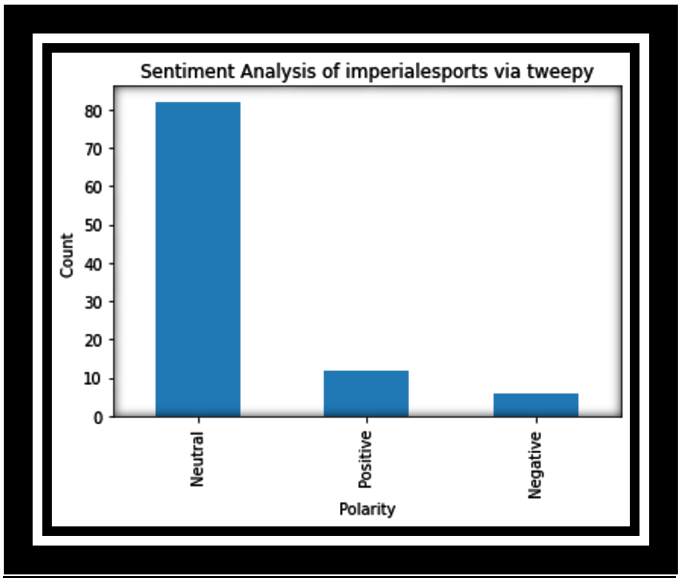

Figure 52:IMPERIALSPORTS SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of IMPERIALSPORTS

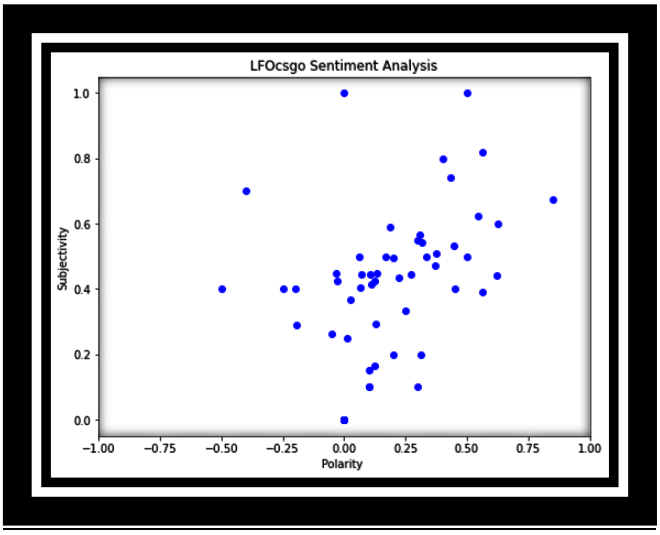

Figure 53: LFOcsgo SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 40 percent sentiments are positive
- More than 50 per cent of them are neutral
- Ten percent are negative

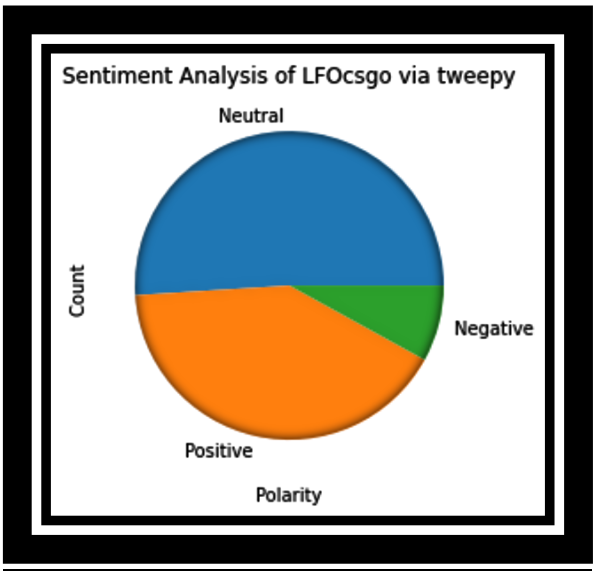

Figure 54: LFOcsgo SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

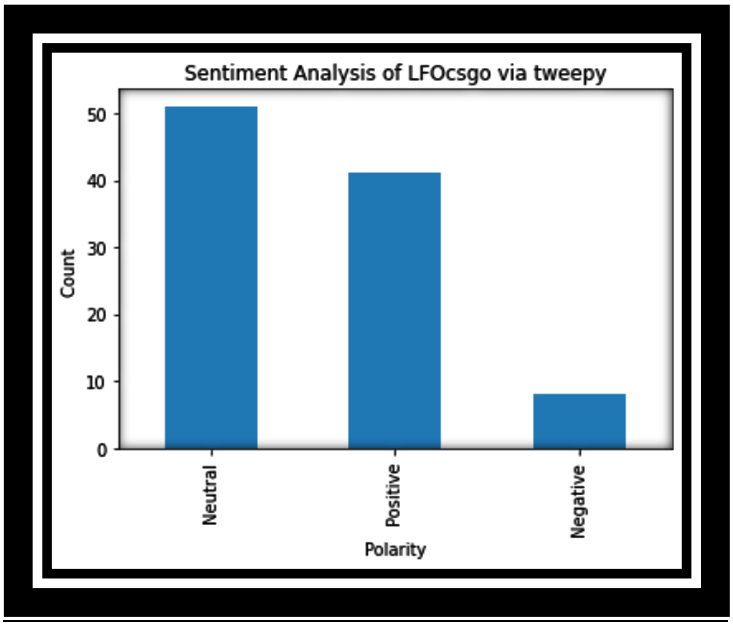

Figure 55: LFOcsgo SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of LFOCSGO

CONCLUSION QUESTION 2

	POSITIVE	NEUTRAL	NEGATIVE
FaZeClan	40	55	5
FURIA	18	78	6
natusvincere	45	45	10
AstralisCS	40	55	5
G2esports	30	64	6
heroicgg	55	25	20
ENCE	40	50	10
NIPCS	29	68	3
Cloud9	45	45	10
TeamVitality	35	60	5
Entropiqteam	40	50	10
mousesports	40	55	5
TeamLiquidCS	45	35	20
Complexity	48	47	5
imperialesports	15	80	5
LFOcsgo	40	50	10

As we had already discussed initially that here, we were looking for winner prediction on the basis of positive feedback tweets, in real world we have seen so many examples where anything happens any time in game.

But here if we trust data and just see its results then here **"heroicgg "**have the most positive reviews and it means its going to be the winner.

QUESTION # 3

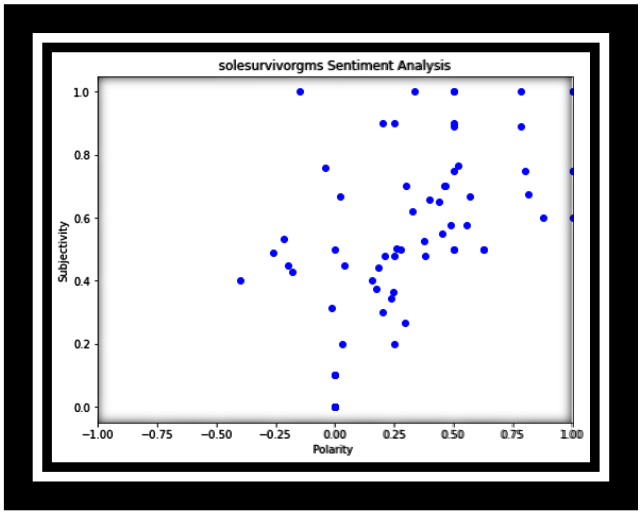

Figure 56:Honey, I Joined a Cult SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 50 percent sentiments are positive
- More than 40 per cent of them are neutral
- Ten percent are negative

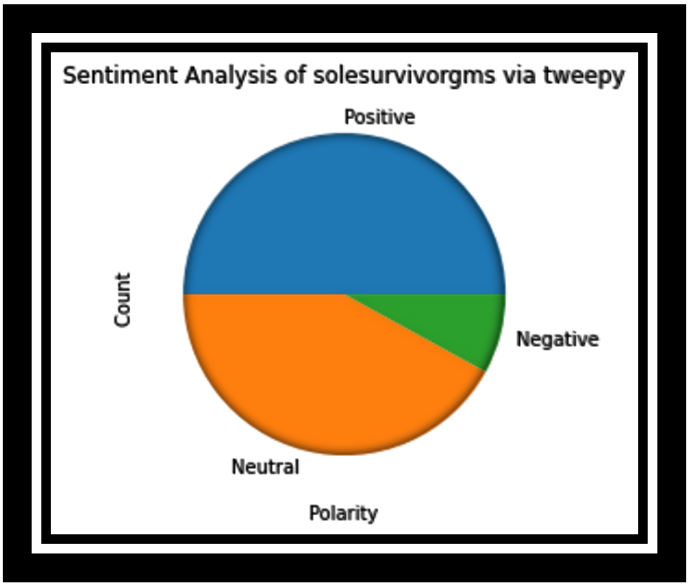

Figure 57Honey, I Joined a Cult SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

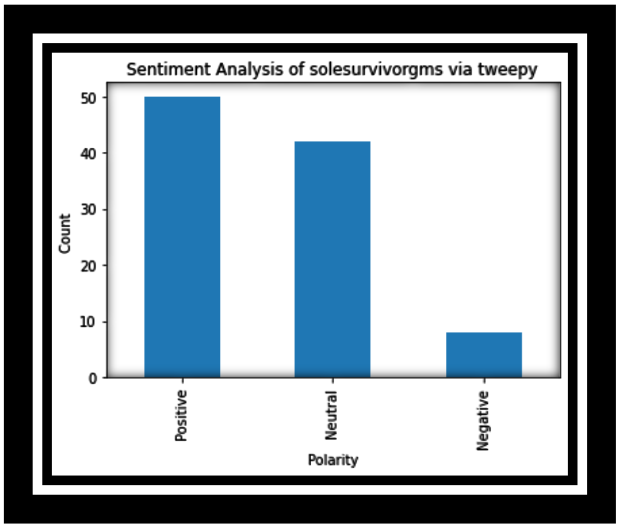

Figure 58: Honey, I Joined a Cult SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of Honey, I Joined a Cult SENTIMENT ANALYSIS.

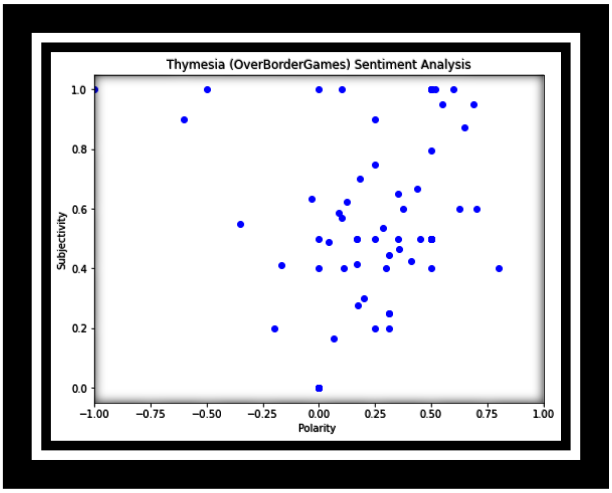

Figure 59: THYSEMIA SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 52 percent sentiments are positive
- More than 40 per cent of them are neutral
- Eight percent are negative

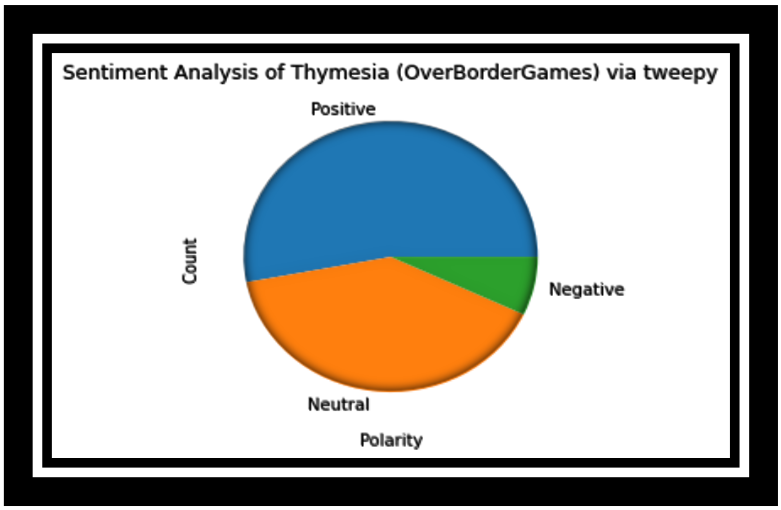

Figure 60: THYSEMIA SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

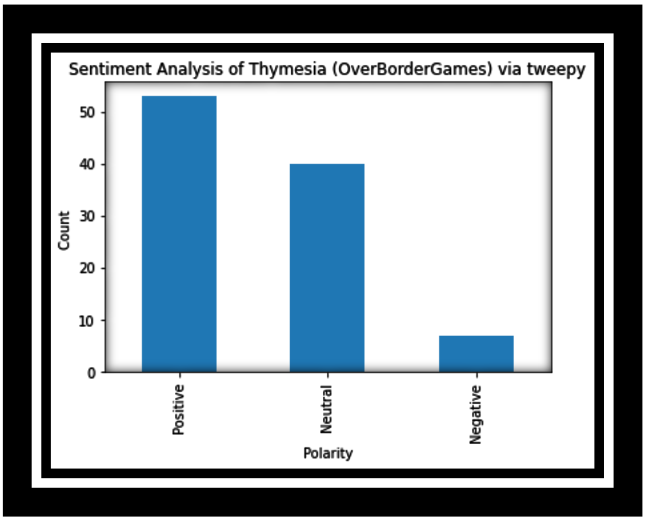

Figure 61: THYSEMIA SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of THYSEMIA SENTIMENT ANALYSIS

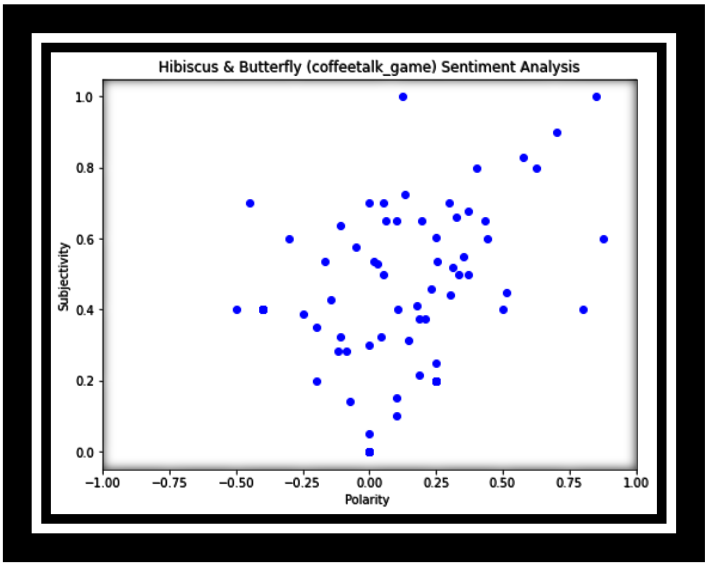

Figure 62:Hibiscus & Butterfly SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 50 percent sentiments are positive
- More than 27 per cent of them are neutral
- Twenty-three percent are negative

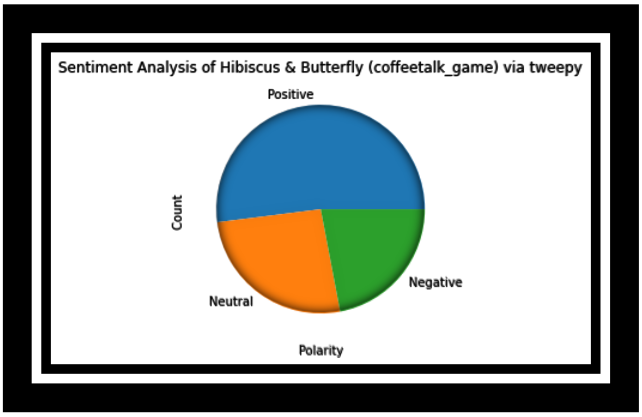

Figure 63:Hibiscus & Butterfly SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively

- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

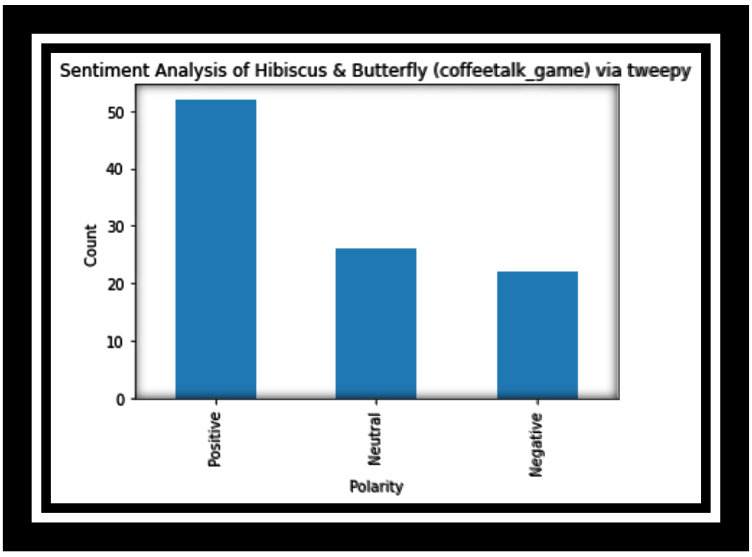

Figure 64:Hibiscus & Butterfly SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of Hibiscus & Butterfly SENTIMENT ANALYSIS

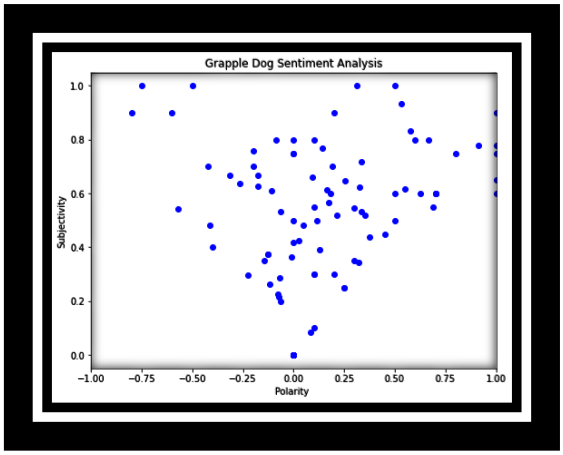

Figure 65: Grapple Dog SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 50 percent sentiments are positive
- More than 28 per cent of them are neutral
- Twenty-two percent are negative

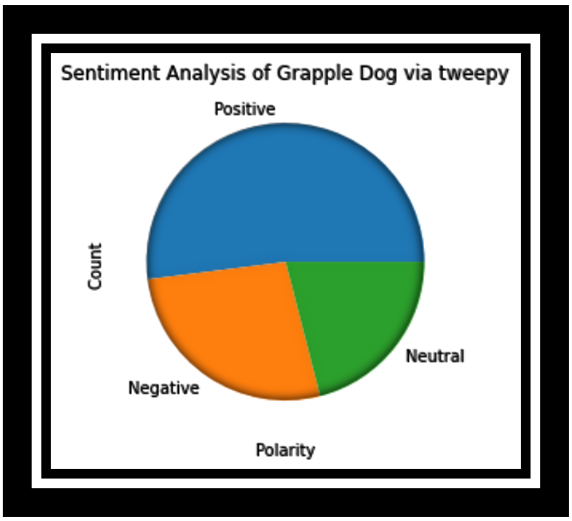

Figure 66: Grapple Dog SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

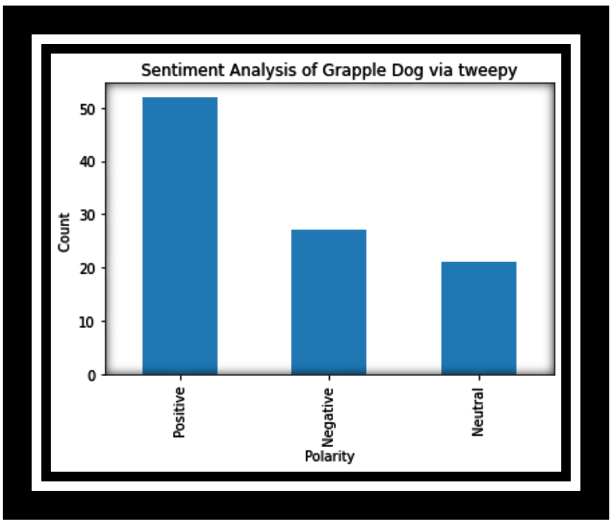

Figure 67: Grapple Dog SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of Grapple Dog SENTIMENT ANALYSIS

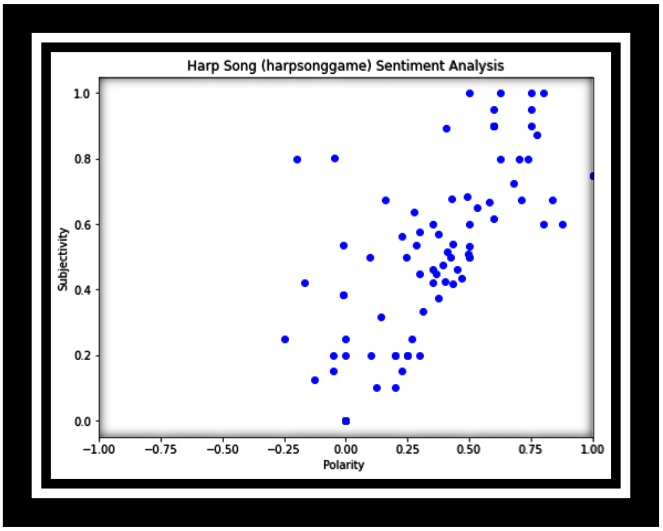

Figure 68: Harp Song SENTIMENT ANALYSIS

Here this scatter plot is telling us that

- Around 70 percent sentiments are positive
- More than 20 per cent of them are neutral
- Ten percent are negative

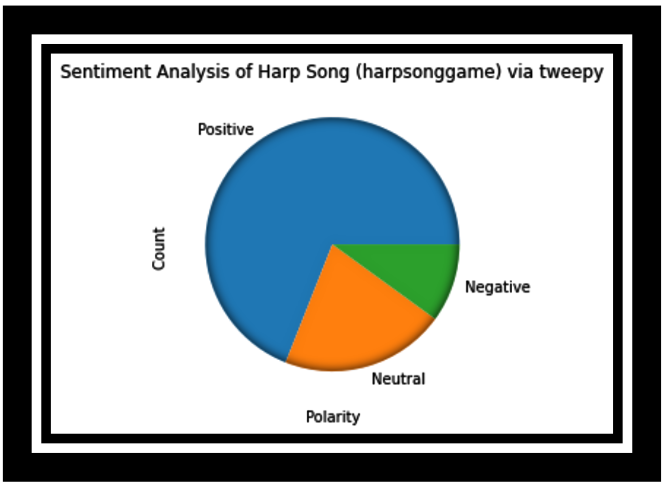

Figure 69:Harp Song SENTIMENT ANALYSIS

The best part of the pie chart here is that it is telling us in just one blink of the number of people who are talking about it

- Positively
- Negatively
- Neutrally

It would be helpful for all stakeholders(organizers) to understand about it

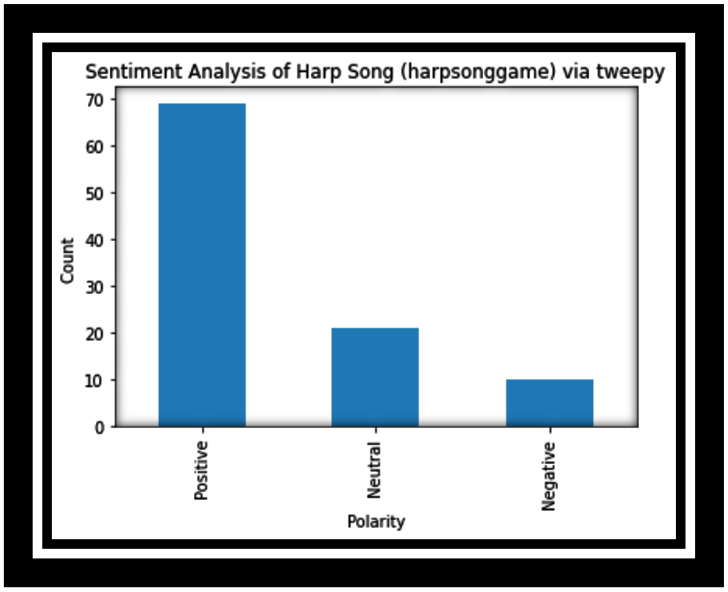

Figure 70: Harp Song SENTIMENT ANALYSIS

Here in this bar chart, we can compare the clear difference in positive, negative, and neutral tweets of Harp Song SENTIMENT ANALYSIS

CONCLUSION QUESTION 3

Here if we conclude by looking at this table

	POSITIVE	NEGATIVE	NEUTRAL
Honey, I Joined a Cult	50	40	10
Thymesia	52	40	8
Hibiscus & Butterfly	50	27	23
Grapple Dog	50	28	22
Harp Song	70	20	10

One the best positive response is of **"Harp Song"** and in case if in future organizers have some criteria of only choosing one game from EGX 2021 top games then this should be the number 1 priority of organisers.

PROJECT CONCLUSION AND VALUE STATEMENT

After the question wise conclusions, it is the right time to conclude the overall project. This project is helping organizers to understand one event had more positive tweets than another, it simply means that another one need to do more in detail analysis. That is how it would be easier for them to be more popular positively. As the "**EGX"** have more positive sentiments so it is better than IEM.

We have analysed that team **"Heroicgg "**have more positive tweets and it seems like they are going to win the Dallas 2022 event.

If we talk about top five games of EGX 2021, all of them were good but if we talk about analysis **"Harp Song"** game have the best positive response and if the organizer has next time choice to select only one game from last event this could be this game.

The evidence of all of three questions have been in detail explained above. In short if I talk about that who will get benefit from this project is first of all organisers then event managers, gamers, teams, game developers.

SELF REFLECTION

In this part of self-reflection, I would like to again mention that I have learned a lot of stuff during this course ranging from basic esports games to big esports events, players, companies, organization and much more. I have also learned making dashboards using tableau, power BI and using python and specifically I have learned how to extract data from twitter using twitter API.

So, no doubt it is a big achievement for me, and this analysis and this course have helped me to become more informed more knowledgeable person. Simply if I look back at myself 3 months back and what I know now so there is an enormous difference in it and I appreciate for giving us tutorials of TensorFlow, powerBI, tableau etc. They really helped me a lot and I hope its going to help me in my future job as well.

What I will do differently if I will do this project again

1. Tweets sentiment analysis would be more in depth
2. Excel download on these tweets and make other predictions as well
3. Analysis of the winning team, game, and event website and all of their social media sentiment not just twitter sentiment.
4. Facebook separate analysis
5. Revenue calculation and other marketing analysis also include

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APPENICES:

QUESTION # 1: EGX CODE

```
!pip install tweepy
!pip install textblob
%pip install wordcloud
pip install pipreqs
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [329]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [330]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [331]:

```
posts= api.user_timeline(screen_name='EGX',count=100,tweet_mode='extended')
```

In [332]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) @Gladepanther1 @ExCeLLondon Yes it is for both 😀

2) @Gladepanther1 @ExCeLLondon Hey, So at 2pm on the O2 Priority App there will be a place for y ou to go to redeem a code and then link you to a page to get your half-price tickets.

3) @VickyinDLP @virginmedia Hey, So at 2pm on the O2 Priority App there will be a place for you to go to redeem a code and then link you to a page to get your half-price tickets.

4) ICYMI - 📢 EGX is returning to the @ExCeLLondon this September! 🎉

Tickets for #EGXLondon go on sale 2PM tomorrow, 10th May. https://t.co/UojzFFOrnt

5) Free EGX tickets, you say? 👀

Our friends over at @virginmedia are giving their customers the chance to win Early Entry tickets to #EGXLondon! 🎮

Here's how to enter: https://t.co/a9DEIBg01v https://t.co/EkjmWxpglz

6) @Willo290592 Pod racing! https://t.co/hcTIPaBxzv

7) May The 4th Be with You!

We want to know what's your favourite Star Wars Game! Let us know in the comments, we will go fi rst! 🎮 https://t.co/96RFIr57bF

8) 📢 Hey Indie devs! 📢

Applications for the Leftfield Collection for #EGX2022 are now open! Apply using the link here: https: //t.co/TlzN5fxx7L https://t.co/RlDbfjlFiv

9) If you could experience one game again for the first time, what would it be? 🎮

10) 👀 https://t.co/EX1CBeTowU

In [333]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[333]:

	Tweets
0	@Gladepanther1 @ExCeLLondon Yes it is for both 😀
1	@Gladepanther1 @ExCeLLondon Hey, So at 2pm on ...
2	@VickyinDLP @virginmedia Hey, So at 2pm on the...
3	ICYMI - 📢 EGX is returning to the @ExCeLLondon...
4	Free EGX tickets, you say? 👀\n\nOur friends ov...
...	...
95	Want a chance to win this PlayStation 5 from o...

	Tweets
96	Interested in a career in games? Want to chat ...
97	ICYMI - Our friends over at @Maze_Theory have ...
98	Thanks to our friends over at @Maze_Theory we ...
99	📢 We are delighted to announce the dates for ...

100 rows × 1 columns

In [334]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [335]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [336]:

```
df
```

Out[336]:

	Tweets
0	Yes it is for both 😀
1	Hey, So at 2pm on the O2 Priority App there ...
2	Hey, So at 2pm on the O2 Priority App there ...
3	ICYMI - 📢 EGX is returning to the this Septem...
4	Free EGX tickets, you say? 👀\n\nOur friends ov...
...	...

	Tweets
95	Want a chance to win this PlayStation 5 from o...
96	Interested in a career in games? Want to chat ...
97	ICYMI - Our friends over at _Theory have given...
98	Thanks to our friends over at _Theory we have ...
99	📢 We are delighted to announce the dates for ...

100 rows × 1 columns

In [337]:

```
analysis=TextBlob("Today was the best day ")
```

In [338]:

```
analysis.sentiment
```

Out[338]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [339]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [340]:

```
df
```

Out[340]:

	Tweets	Subjectivity	Polarity
0	Yes it is for both 😀	0.000000	0.000000
1	Hey, So at 2pm on the O2 Priority App there ...	0.000000	0.000000

	Tweets	Subjectivity	Polarity
2	Hey, So at 2pm on the O2 Priority App there ...	0.000000	0.000000
3	ICYMI - 📣 EGX is returning to the this Septem...	0.000000	0.000000
4	Free EGX tickets, you say? 👀\n\nOur friends ov...	0.500000	0.441667
...	...	...	...
95	Want a chance to win this PlayStation 5 from o...	0.644444	0.812500
96	Interested in a career in games? Want to chat ...	0.733333	0.470833
97	ICYMI - Our friends over at _Theory have given...	0.000000	0.000000
98	Thanks to our friends over at _Theory we have ...	0.200000	0.200000
99	📣 We are delighted to announce the dates for ...	0.600000	0.600000

100 rows × 3 columns

In [ ]:

In [341]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
    if score<0:
        return 'Negative'
    elif score==0:
        return 'Neutral'
    else:
        return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[341]:

	Tweets	Subjectivity	Polarity	Analysis
0	Yes it is for both 😀	0.000000	0.000000	Neutral
1	Hey, So at 2pm on the O2 Priority App there ...	0.000000	0.000000	Neutral
2	Hey, So at 2pm on the O2 Priority App there ...	0.000000	0.000000	Neutral
3	ICYMI - 📢 EGX is returning to the this Septem...	0.000000	0.000000	Neutral
4	Free EGX tickets, you say? 👀\n\nOur friends ov...	0.500000	0.441667	Positive
...	...	...	...	...
95	Want a chance to win this PlayStation 5 from o...	0.644444	0.812500	Positive
96	Interested in a career in games? Want to chat ...	0.733333	0.470833	Positive
97	ICYMI - Our friends over at _Theory have given...	0.000000	0.000000	Neutral
98	Thanks to our friends over at _Theory we have ...	0.200000	0.200000	Positive
99	📢 We are delighted to announce the dates for ...	0.600000	0.600000	Positive

100 rows × 4 columns

In [342]:

```
df[df['Analysis']=='Neutral']
```

Out[342]:

	Tweets	Subjectivity	Polarity	Analysis
0	Yes it is for both 😀	0.000000	0.0	Neutral
1	Hey, So at 2pm on the O2 Priority App there ...	0.000000	0.0	Neutral
2	Hey, So at 2pm on the O2 Priority App there ...	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
3	ICYMI - 📣 EGX is returning to the this Septem...	0.000000	0.0	Neutral
5	Pod racing!	0.000000	0.0	Neutral
7	📢 Hey Indie devs! 📢\n\nApplications for the Le...	0.250000	0.0	Neutral
9	👀	0.000000	0.0	Neutral
12	There should be an 'enter now' button on the...	0.000000	0.0	Neutral
15	📣 EGX is returning to the this September! 🎉\n...	0.000000	0.0	Neutral
27	_la_re	0.000000	0.0	Neutral
29	So, what games are on the agenda for this week...	0.000000	0.0	Neutral
35	📣 Only 1 day left to enter into our GetsuFumaD...	0.500000	0.0	Neutral
37	📣 Only 4 days left to enter into our GetsuFuma...	0.500000	0.0	Neutral
40		0.000000	0.0	Neutral
51	See you in orbit!	0.000000	0.0	Neutral
54	📣 It's your last chance to enter our OlliOlli ...	0.066667	0.0	Neutral
57	ICYMI - Our friends over at have given us an ...	0.000000	0.0	Neutral
69	ICYMI - Tickets for EGX Birmingham are now on ...	0.000000	0.0	Neutral
71	Hey, so EGX Birmingham will be smaller than ...	0.500000	0.0	Neutral
72	Hey, so EGX Birmingham will be smaller than...	0.500000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
73	Hey, so EGX Birmingham will be smaller than ...	0.500000	0.0	Neutral
75	Hey, so EGX Birmingham will be smaller than...	0.500000	0.0	Neutral
76	🎲 Our friends over at and are heading to EG...	0.000000	0.0	Neutral
82	🎉 Tickets for EGX Birmingham will be going on ...	0.000000	0.0	Neutral
83	Hey, yep we are going to try and work on thes...	0.066667	0.0	Neutral
84	🎉 ICYMI - Tickets for EGX Birmingham will be g...	0.000000	0.0	Neutral
86	_ Not currently no, but we will be following t...	0.250000	0.0	Neutral
89	📢 EGX is returning to Birmingham, 4-6 March 20...	0.000000	0.0	Neutral
92	Hey, so it's a rebrand with the aim to have i...	0.000000	0.0	Neutral
97	ICYMI - Our friends over at _Theory have given...	0.000000	0.0	Neutral

In [343]:

```
df['Analysis'].value_counts()
```

Out[343]:

```
Positive    55
Neutral     30
Negative    15
Name: Analysis, dtype: int64
```

In [344]:

```
df.shape
```

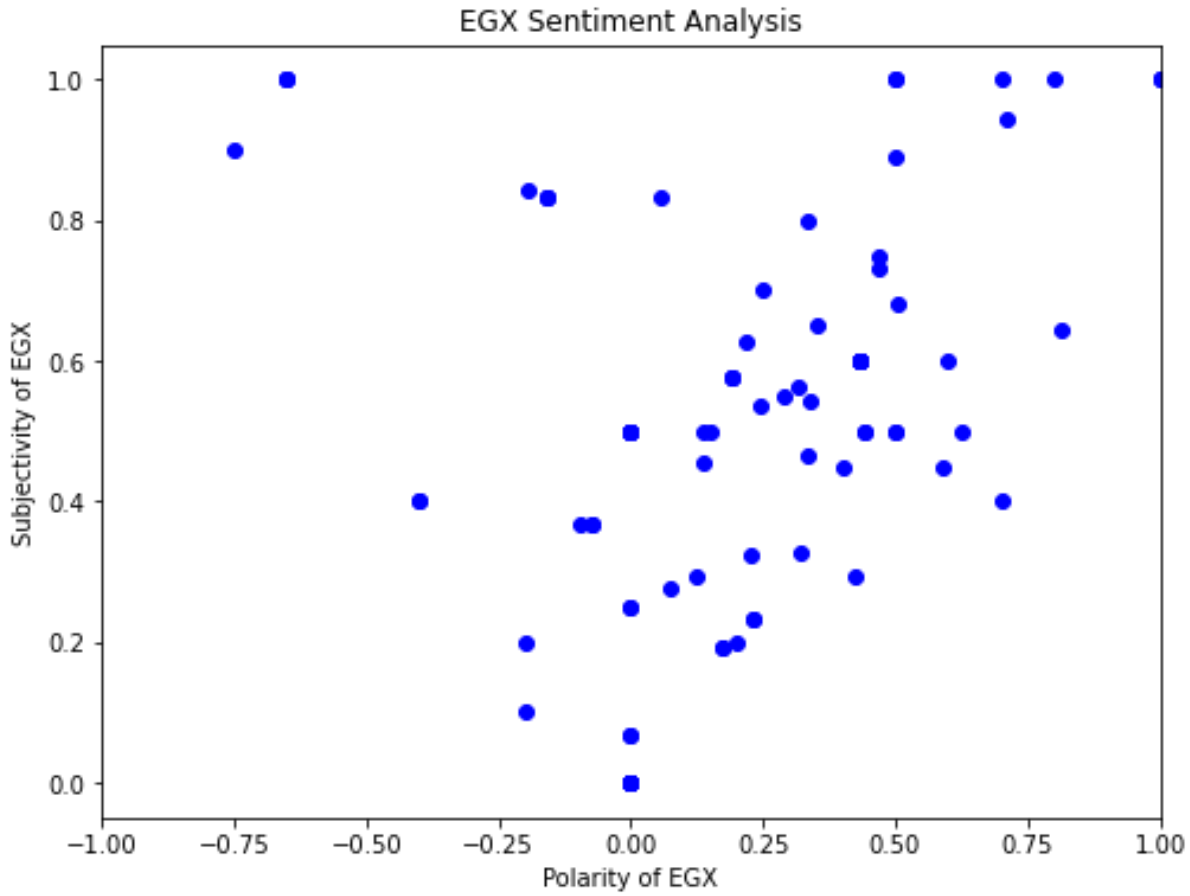
Out[344]:

```
(100, 4)
```

In [345]:

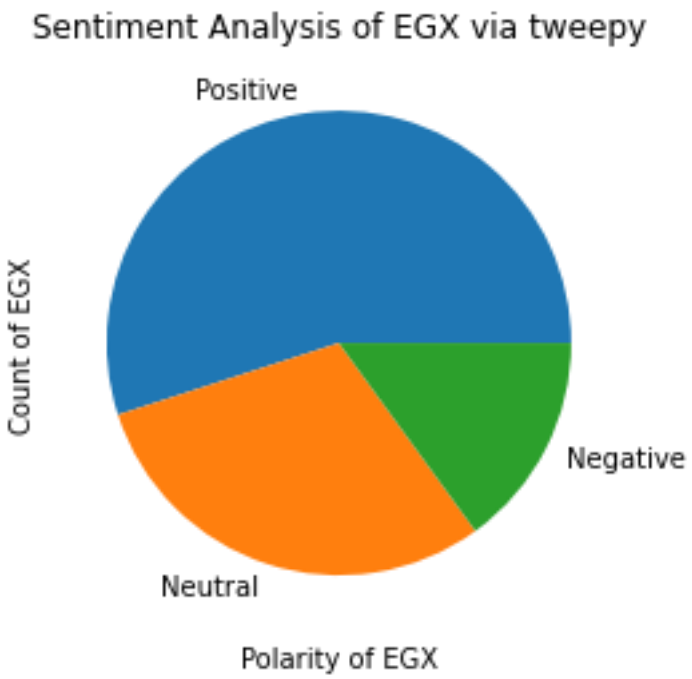
```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("EGX Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity of EGX')
```

```
plt.ylabel('Subjectivity of EGX')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



In [346]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of EGX via tweepy")
plt.xlabel('Polarity of EGX')
plt.ylabel('Count of EGX')
plt.show()
```



In [347]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Free EGX tickets, you say? 👀

Our friends over at are giving their customers the chance to win Early Entry tickets to EGXLondon! 🎮

Here's how to enter:

2) It's WishlistWednesday again, so let's celebrate some more great games coming up! 📢🤩

- Silt

- Super Trunko Go

- Beyond the Long Night

- Rough Justice 84

indiegame gamedev indiedev 🎮

3) Yes, these will be live on the 10th May, this is a little competition before the sale to win free ticke ts 😀

4) Hey, yes Creator passes will be live from the 10th May as well.

5) Free EGX tickets, you say? 👀

Our friends over at are giving their customers the chance to win Early Entry tickets to EGXLondon! 🎮

Here's how to enter:

6) What video games are you most looking forward to this year? 🎮

7) Whatever world you're on, make sure you appreciate your planet! 🌿

Happy EarthDay 🌍

8) How cool is this 😍

9) Today seems the perfect day to share some of our favourite video game Easter eggs! What's yours ? 🥚 🐣

10) It's WishlistWednesday, so let's celebrate some great games from last week's post!

- Lonesome Village

- Nadir: A Grimdark Deck Builder

- Stone Guardian

- Classic Sport Driving

indiegame gamedev indiedev 🎮 🎨

11) Want to know how to get a job in games? Then why not check out the new Academy Magazine.

Details below 👇

12) Thoughts on SonicMovie2?

We loved seeing Sonic, Knuckles, and Tails together! For us, it's definitely worth a trip to the cinema. 🏠

13) *heavy breathing*

Who's as excited as we are about the KingdomHearts4 announcement? 🎉 Can't wait to welcome b ack Sora to our screens. KingdomHearts20THanniversary

14) It’s WishlistWednesday! 🕹

If you have a project you’re working on, drop it in the comments. Let’s see what awesome games we have to look forward to!

indiegame indiedev gamedev

15) The wait is over: LEGO Star Wars: The Skywalker Saga releases today!

Hans down (😉), this could be one of the best Star Wars games out there. Who's exploring the galax y today? LEGOStarWarsGame

16) An important holiday that should never go unnoticed…

Happy InternationalCarrotDay, gamers! 🥕

17) Only a couple days left to enter into our GetsuFumaDen: Undying Moon competition to win the bundle below! Enter follow the link below.

18) With the launch of GetsuFumaDen: Undying Moon on Switch and PC, our friends over at are givi ng you chance to win this awesome bundle and a copy of the game either on Switch or PC!

19) With the launch of GetsuFumaDen: Undying Moon on Switch and PC, our friends over at are givi ng you chance to win this awesome bundle and a copy of the game either on Switch or PC!

Enter here:

20) Who else is excited about this!

21) With the launch of GetsuFumaDen: Undying Moon on Switch and PC, our friends over at are givi ng you chance to win this awesome bundle and a copy of the game either on Switch or PC!

Enter here:

22) With the launch of GetsuFumaDen: Undying Moon on Switch and PC, our friends over at are givi ng you chance to win this awesome bundle and a copy of the game either on Switch or PC!

Enter here:

23) Looking to level up your career and work with us and Marketing Team? Then we have the role fo r you. Check out our new exciting role as a Marketing & Content Coordinator

Apply here:

24) LAST HOUR: Thanks to our friends at we have been given 3 double tickets to The Jazz of Cuphea d and The Symphony of the Spirits this weekend!

Enter here:
Find out more here:

25) Happy 5th birthday Nintendo Switch!

Let us know what your favorite game has been on the Switch!

26) Last chance: Thanks to our friends at we have been given 3 double tickets to The Jazz of Cuphea d and The Symphony of the Spirits this weekend!

Enter here:
Find out more here:

27) ICYMI: Thanks to our friends at we have been given 3 double tickets to The Jazz of Cuphead and The Symphony of the Spirits this weekend!

Enter here:
Find out more here:

28) Thanks to our friends at we have been given 3 double tickets to The Jazz of Cuphead and The Sy mphony of the Spirits this weekend!

Enter here:
Find out more here:

29) Happy Witch Queen day guardians!

Who is heading into Savathûn's Throne World today!

30) Happy HorizonForbiddenWest day!

Who is picking it up this weekend?

31) 🗞 With the launch of OlliOlli World this week, our friends over at are giving you a chance to wi n this awesome bundle and a copy of the game either on PC or Xbox! 🗞

Enter here:

32) 🗞 With the launch of OlliOlli World this week, our friends over at are giving you a chance to wi n this awesome bundle and a copy of the game either on PC or Xbox! 🗞

Enter here:

33) 🗞 With the launch of OlliOlli World, our friends over at are giving you a chance to win this awe some bundle and a copy of the game either on PC or Xbox! 🗞

Enter here:

34) Hey, it is with a heavy heart that we must announce the postponement of EGX Birmingham 202 2. - More details can be found here:

35) It is with a heavy heart that we must announce the postponement of EGX Birmingham 2022.

Anyone with a ticket to EGX Birmingham 2022 will automatically receive a full refund within the next few weeks. For more info on what happens next, visit our FAQs at

36) Hey, so children 10 and under do not need tickets :)

37) Hey, if you want to email us at sales.net and we will be happy to help.

38) Come and speak at the GI Academy Stage or do a 1-2-1 session! We're looking for speakers/panels covering every discipline.
Want to get involved or learn more? Drop _OTA a line! EGXbham

39) Hey, the Virgin Media ticket discount is only available for the main EGX London show and not for the EGX Birmingham show in 2022.

40) Are you a Content Creator/Press and want to attend EGX Birmingham? Then make sure to apply using our application forms below.

☆ Press Applications:
☆ Creator Applications:

41) Yes they do :)

42) Hey, the Virgin Media ticket discount is only available for the main EGX London show and not for the EGX Birmingham show in 2022.

43) Hey, the Virgin Media ticket discount is only available for the main EGX London show and not for the EGX Birmingham show in 2022.

44) 🎉 This is not a drill! EGX Birmingham Tickets are ON SALE 🎉

We can't wait to welcome you back to this March! See you in Birmingham, gamers for EGXBham!

Get your tickets today ➡

45) _strange We do indeed, head over here for more details:

46) _xx These should be going live with tickets. You will be able to find links on our website on the 12th.

47) At EGX, your health and safety are our top priorities. We have implemented guidelines and policies to help support a safe experience included approved masks must be worn at all times. Details here:

48) If you enjoyed games like Limbo, Inside, or Little Nightmares, then you might want to keep an eye on SiltGame... 👀

Enter to win free codes and some awesome artwork here:

49) Every month, will be asking a group of hardcore gamers a couple of questions to help understand what is driving your decisions. Want to join our elite group? Our first question is here and it's about the recently released Call of Duty: Vanguard

50) Hey EGX Fans,

We're adjusting our dates to make it easier for you to enjoy one of the best weekends of the year.

☆ EGX Birmingham 4th Friday – 6th, March 2022, NEC

51) : RESIDENT EVIL VILLAGE COLLECTION NOW LIVE!

We are very proud to announce the arrival of our exclusive and official Res…

52) Want a chance to win this PlayStation 5 from our friends over at _Theory! Then make sure to ent er before Sunday!

53) Interested in a career in games? Want to chat with industry professionals? Join on 27th – 29th O ctober!

GIBizLiveAcademy, in association with , a free online career fair dedicated to helping students and gr ads. Register now:

54) Thanks to our friends over at _Theory we have this Doctor Who: The Edge Of Reality themed Pla yStation 5 to giveaway.

To enter follow the link here:

55) 📢 We are delighted to announce the dates for EGX2022 events 📢

☆ EGX Birmingham - 3-5 March
☆ EGX London - 22-25 September

Find out more:

In [348]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) May The 4th Be with You!

We want to know what's your favourite Star Wars Game! Let us know in the comments, we will go fi rst! 🎮

2) If you could experience one game again for the first time, what would it be? 🎮

3) Crazy Taxi remake? Take my money! 🚖

4) Comment music from a video game that gets stuck in your head. 🎶🎮

We'll go first:

5) Nostalgia incoming! 🚑

Name a game you have fond memories with ❤

6) Add your game to the thread to be showcased next week! 👉 WishlistWednesday

7) Let’s kickstart the weekend by breaking our hearts and sharing video games that made us sob.

Here's a few of ours. 💔

8) The remake we’re all waiting for. 💗

Name a game you reckon deserves a comeback. ThrowbackThursday

9) I mean we're buzzing as well! 🎉 Only 183 days, but who's counting!

10) Hey, so these are the super pass pin badges from EGX2021. Very sorry for the delay

11) Hey, so these are the super pass pin badges from EGX2021. Very sorry for the delay

12) _1337 Hey, so these are the super pass pin badges from EGX2021. Very sorry for the delay

13) Very sorry for the delay, I will get that checked for you

14) Hey, so they should be on this page for you now, very sorry for the delay -

15) Very sorry about this, they are being added now. If you give it a couple of mins then this should be updated

In [349]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Yes it is for both 😀

2) Hey, So at 2pm on the O2 Priority App there will be a place for you to go to redeem a code and th en link you to a page to get your half-price tickets.

3) Hey, So at 2pm on the O2 Priority App there will be a place for you to go to redeem a code and th en link you to a page to get your half-price tickets.

4) ICYMI - 📢 EGX is returning to the this September! 🎉

Tickets for EGXLondon go on sale 2PM tomorrow, 10th May.

5) Pod racing!

6) 📢 Hey Indie devs! 📢

Applications for the Leftfield Collection for EGX2022 are now open! Apply using the link here:

7) 👀

8) There should be an 'enter now' button on the left hand side for people to enter.

9) 📢 EGX is returning to the this September! 🎉

Tickets for EGXLondon go on sale 2PM Tues 10th May.

10) _la_re

11) So, what games are on the agenda for this weekend? Tell us what you'll be playing over the next couple days! ScreenshotSaturday 🎮

12) 📢 Only 1 day left to enter into our GetsuFumaDen: Undying Moon competition! 📢

Follow the link below to enter today!

13) 📢 Only 4 days left to enter into our GetsuFumaDen: Undying Moon competition! 📢

Follow the link below to enter today!

14)

15) See you in orbit!

16) 📢 It's your last chance to enter our OlliOlli World competition 📢

Enter here:

17) ICYMI - Our friends over at have given us an OlliOlli World bundle to give away!

Enter below 👇

18) ICYMI - Tickets for EGX Birmingham are now on sale!
Get yours today:

19) Hey, so EGX Birmingham will be smaller than London, but we have moved Rezzed to this venue with the plan to grow beyond what it used to be.

20) Hey, so EGX Birmingham will be smaller than London, but we have moved Rezzed to this venue with the plan to grow beyond what it used to be.

21) Hey, so EGX Birmingham will be smaller than London, but we have moved Rezzed to this venue with the plan to grow beyond what it used to be.

22) Hey, so EGX Birmingham will be smaller than London, but we have moved Rezzed to this venue with the plan to grow beyond what it used to be.

23) 🎲 Our friends over at and are heading to EGXBham for their Oxventure DnD on Friday & Saturday! 🧩

Buy Your Tickets Today ➡️

24) 🎉 Tickets for EGX Birmingham will be going on sale at 2pm today! 🎉

⏰ Set your watches!

25) Hey, yep we are going to try and work on these sooner and get people's applications processed quicker than last time.

26) 🎉 ICYMI - Tickets for EGX Birmingham will be going on sale tomorrow! 🎉

EGXBham

27) _ Not currently no, but we will be following the government guidelines.

28) 📢 EGX is returning to Birmingham, 4-6 March 2022. Tickets will be going on sale on 12th Jan. 📢

29) Hey, so it's a rebrand with the aim to have it grow in size to match London

30) ICYMI - Our friends over at _Theory have given us a PlayStation 5 to giveaway. To enter follow th e details below 👇

QUESTION # 1: IEM CODE

```
!pip install tweepy
!pip install textblob
%pip install wordcloud
pip install pipreqs


import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [353]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [354]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [355]:

```
posts= api.user_timeline(screen_name='IEM',count=100,tweet_mode='extended')
```

In [356]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) Remember, you don't ONLY have access to #IEM Dallas, but to the ENTIRE Dreamhack festival wit
h your ticket 😎

Where are you going first after the doors open?

👉 https://t.co/ddZlqJiqwB https://t.co/ibBT6Fo1lJ

2) Only 25 days remain until we kick off #IEM Dallas!!! us

Which NA team will make it the furthest? 👀 https://t.co/0wAXfF8Umt

3) With the EU Closed Qualifier complete, here are all 16 teams invited to #IEM Dallas! us

@FaZeClan
@FURIA
@natusvincere

@AstralisCS
@G2esports
@heroicgg
@ENCE
@NIPCS
@Cloud9
@TeamVitality
@Entropiqteam
@mousesports
@TeamLiquidCS
@Complexity
@imperialesports
@LFOcsgo https://t.co/DmFsIhLmcR

4) Thank you all for tuning into the #IEM Dallas EU Closed Qualifier this week 💯

And again huge congrats to @mousesports & @Entropiqteam on making it to #IEM Dallas 2022 😎 https://t.co/uiYQEaWwxe

5) It's time to book a flight for @mousesports to #IEM Dallas 🛫

@mousesports 2-0 @BIGCLANgg

We're looking forward to see you in action us https://t.co/A6mRAHYGSm

6) RT @ESLCS: .@BIGCLANgg is not giving up without a FIGHT!

OVERTIME 15:15: 👇
https://t.co/J1uicLL8p1 https://t.co/tx3UlANVWo

7) RT @ESLCS: Only six rounds away from #IEM Dallas 🔥
@mousesports

https://t.co/J1uicLL8p1 https://t.co/LbUyFJsY8f

8) From 6:12 to 16:13 for @mousesports! 💥
We got Vertigo up next 🏗

https://t.co/855hMZUIST https://t.co/G01qsbAhfy

9) RT @ESLCS: Looks like @mousesports is starting to wake up 👀
Can they manage the 6-12 comeback?

https://t.co/J1uicLL8p1 https://t.co/d57Uqy…

10) One final spot at #IEM Dallas up for grabs!

@BIGCLANgg vs. @mousesports

📺https://t.co/855hMZUIST https://t.co/8uvvSoI5zk

In [357]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[357]:

	Tweets
0	Remember, you don't ONLY have access to #IEM D...
1	Only 25 days remain until we kick off #IEM Dal...
2	With the EU Closed Qualifier complete, here ar...
3	Thank you all for tuning into the #IEM Dallas ...
4	It's time to book a flight for @mousesports to...
...	...
95	RT @ESLCS: OH MY 😳\n\n@clasiaLp with an UNREAL...
96	.@imperialesports dominate the series with a s...
97	.@CarpeDiem_CSGO take the first map 👌\n\nThey ...
98	.@GODSENT obliterate the competition, taking d...
99	RT @ESLCS: HE'S SO CRISP, HE'S SO CLEAN\n\n@b4...

100 rows × 1 columns

In [358]:

```
# make a function to clean tweets
def cleanTxt(text):
    text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
    text= re.sub("#",'',text) #removing #
    text= re.sub('RT[\s]+','',text) # removing Retweets
    text= re.sub('https?:\/\/\S+','',text) #removing links
    return text
```

In [359]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [360]:

```
df
```

Out[360]:

	Tweets
0	Remember, you don't ONLY have access to IEM Da...
1	Only 25 days remain until we kick off IEM Dall...
2	With the EU Closed Qualifier complete, here ar...
3	Thank you all for tuning into the IEM Dallas E...
4	It's time to book a flight for to IEM Dallas ...
...	...
95	: OH MY 😳\n\n with an UNREAL one tap flick 😱\n...
96	. dominate the series with a swift 2-0 sweep a...
97	._CSGO take the first map 👌\n\nThey best 16:7...
98	. obliterate the competition, taking down _GG ...
99	: HE'S SO CRISP, HE'S SO CLEAN\n\n with the FI...

100 rows × 1 columns

In [361]:

```
analysis=TextBlob("Today was the best day ")
```

In [362]:

```
analysis.sentiment
```

Out[362]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [363]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
    return TextBlob(text).sentiment.subjectivity
```

```
# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [364]:

```
df
```

Out[364]:

	Tweets	Subjectivity	Polarity
0	Remember, you don't ONLY have access to IEM Da...	0.614583	0.062500
1	Only 25 days remain until we kick off IEM Dall...	1.000000	0.000000
2	With the EU Closed Qualifier complete, here ar...	0.250000	0.012500
3	Thank you all for tuning into the IEM Dallas E...	0.500000	0.150000
4	It's time to book a flight for to IEM Dallas ...	0.100000	0.100000
...	...	...	...
95	: OH MY 😳\n\n with an UNREAL one tap flick 😱\n...	0.000000	0.000000
96	. dominate the series with a swift 2-0 sweep a...	0.000000	0.000000
97	._CSGO take the first map 👌\n\nThey best 16:7...	0.233333	0.337500
98	. obliterate the competition, taking down _GG ...	0.144444	-0.077778
99	: HE'S SO CRISP, HE'S SO CLEAN\n\n with the FI...	0.379167	0.104167

100 rows × 3 columns

In [ ]:

In [365]:

```
# Create a function to compute negative neutral and positive
```

```
def getAnalysis(score):
  if score<0:
    return 'Negative'
  elif score==0:
    return 'Neutral'
  else:
    return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[365]:

	Tweets	Subjectivity	Polarity	Analysis
0	Remember, you don't ONLY have access to IEM Da...	0.614583	0.062500	Positive
1	Only 25 days remain until we kick off IEM Dall...	1.000000	0.000000	Neutral
2	With the EU Closed Qualifier complete, here ar...	0.250000	0.012500	Positive
3	Thank you all for tuning into the IEM Dallas E...	0.500000	0.150000	Positive
4	It's time to book a flight for to IEM Dallas ...	0.100000	0.100000	Positive
...	...	...	...	...
95	: OH MY 😳\n\n with an UNREAL one tap flick 😱\n...	0.000000	0.000000	Neutral
96	. dominate the series with a swift 2-0 sweep a...	0.000000	0.000000	Neutral
97	._CSGO take the first map 👌\n\nThey best 16:7...	0.233333	0.337500	Positive
98	. obliterate the competition, taking down _GG ...	0.144444	-0.077778	Negative
99	: HE'S SO CRISP, HE'S SO CLEAN\n\n with the FI...	0.379167	0.104167	Positive

100 rows × 4 columns

In [366]:

```
df[df['Analysis']=='Neutral']
```

Out[366]:

	Tweets	Subjectivity	Polarity	Analysis
1	Only 25 days remain until we kick off IEM Dall...	1.00	0.0	Neutral
5	: . is not giving up without a FIGHT!\n\nOVERT...	0.00	0.0	Neutral
6	: Only six rounds away from IEM Dallas 🔥\n \n\n	1.00	0.0	Neutral
7	From 6:12 to 16:13 for ! 💥\nWe got Vertigo up ...	0.00	0.0	Neutral
8	: Looks like is starting to wake up 👀\nCan th...	0.10	0.0	Neutral
9	One final spot at IEM Dallas up for grabs!\n\n...	1.00	0.0	Neutral
11	: The 1v2 to force a third map!! 🤩\n \n\n	0.00	0.0	Neutral
12	: The incendiary does the work for 😮\n\n	0.00	0.0	Neutral
14	: . going HUUUUUGE 🔥\n\n	0.00	0.0	Neutral
15	Ancient secured 16:12 for 👏\nThey are now one...	0.15	0.0	Neutral
16	: Soooooo damn close 😱\n\n	0.00	0.0	Neutral
17	: The 1v2 by to give a flying start to Ancie...	0.00	0.0	Neutral
18	We have a treat over at the B-stream as well! ...	1.00	0.0	Neutral
21	The Danes make the reverse sweep and eliminate...	0.00	0.0	Neutral
25	: A 9:6 lead for at halftime on Vertigo 🏗️\n\n	0.00	0.0	Neutral
27	The streak continues for 🤼\n\n16:9 on Nuke\n4...	0.00	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
31	: Looks like is waking up 👀\n\n	0.00	0.0	Neutral
32	The German side take Nuke 16:9 and go up 1-0 i...	0.00	0.0	Neutral
33	The road to Dallas continues with some 🔥 match...	0.00	0.0	Neutral
36	Upper bracket finals secured for 👏\n\n16:12 o...	0.00	0.0	Neutral
38	: OHHH BOY! THE 1 VS 5 😱\n\n	0.00	0.0	Neutral
43	. with the victory 2-0 over !\n\n16:2 on Mirag...	0.00	0.0	Neutral
44	VAMOUZ on Ancient 16:11 👊\n\nMoving to _Riders...	0.00	0.0	Neutral
47	We got a banger up next on the A-stream 😮\n\nE...	0.00	0.0	Neutral
48	The reverse sweep for ! 🧹\n\n 2-1 \n\n4:16 on...	0.00	0.0	Neutral
49	All the rounds was needed on Ancient! \n\n 16:...	0.00	0.0	Neutral
53	A dominant performance on Ancient by 👀\n\nHea...	0.00	0.0	Neutral
54	: The T-side looking 🔥 for !\n\n	0.00	0.0	Neutral
63	. qualify for IEM Dallas 2022 by besting in t...	1.00	0.0	Neutral
64	. take the series 2-1 against to qualify for ...	0.00	0.0	Neutral
65	. show a return to form in map two\n\nThey tak...	0.00	0.0	Neutral
66	. deny the comeback to tie the series 👀\n\nThe...	0.00	0.0	Neutral
71	It's time to see who's taking the crown in Sou...	0.00	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
75	Map one goes the way of 👍\n\nThey steal the m...	0.00	0.0	Neutral
76	: . STEALS the map with a 1v2 to deny the defu...	0.00	0.0	Neutral
82	: Anti-eco AWPing 💪\n\n finds three at ramp 👌\...	0.00	0.0	Neutral
88	It has to be said that had to work for that v...	0.00	0.0	Neutral
93	. strike back on the second map 👊\n\nThey take...	0.00	0.0	Neutral
95	: OH MY 😳\n\n with an UNREAL one tap flick 😱\n...	0.00	0.0	Neutral
96	. dominate the series with a swift 2-0 sweep a...	0.00	0.0	Neutral

In [367]:

```
df['Analysis'].value_counts()
```

Out[367]:

```
Positive    47
Neutral     40
Negative    13
Name: Analysis, dtype: int64
```

In [368]:

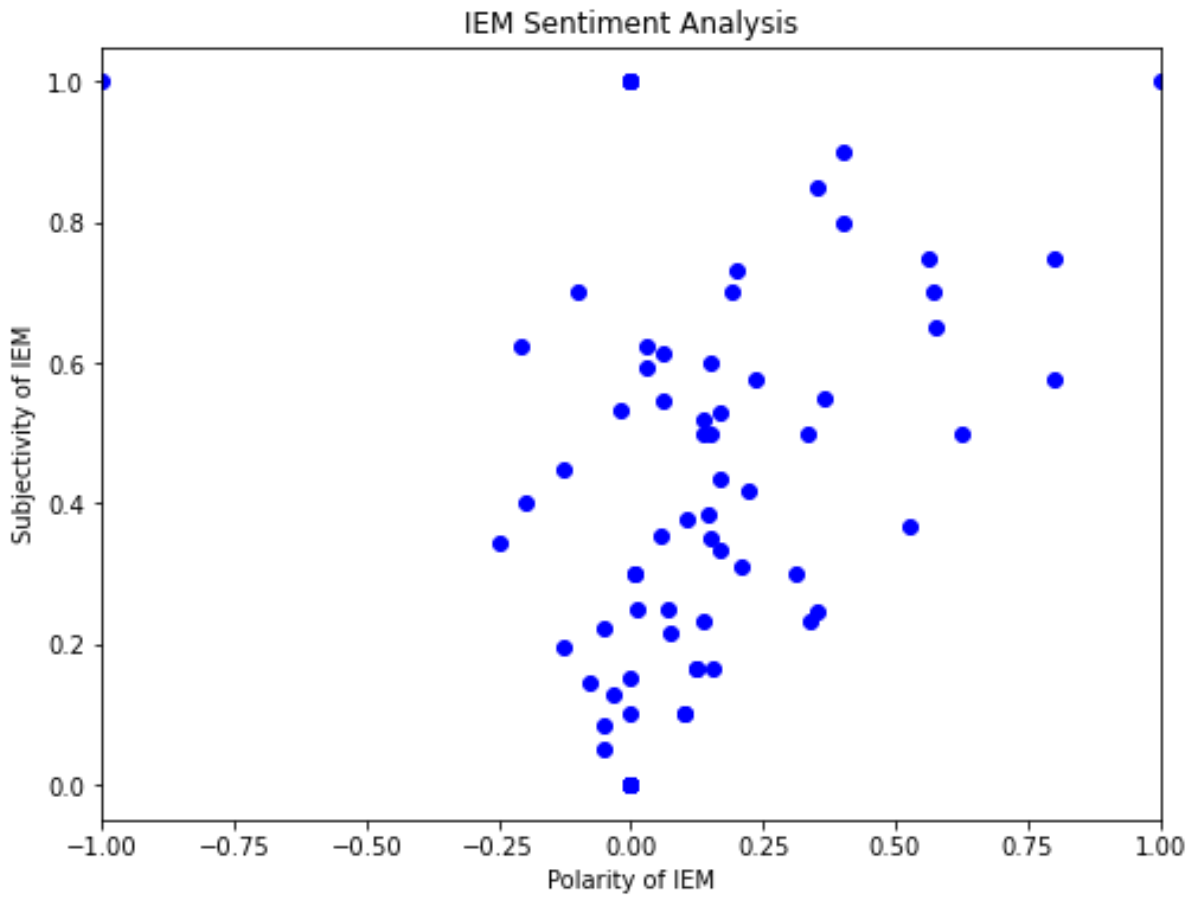
```
df.shape
```

Out[368]:

```
(100, 4)
```

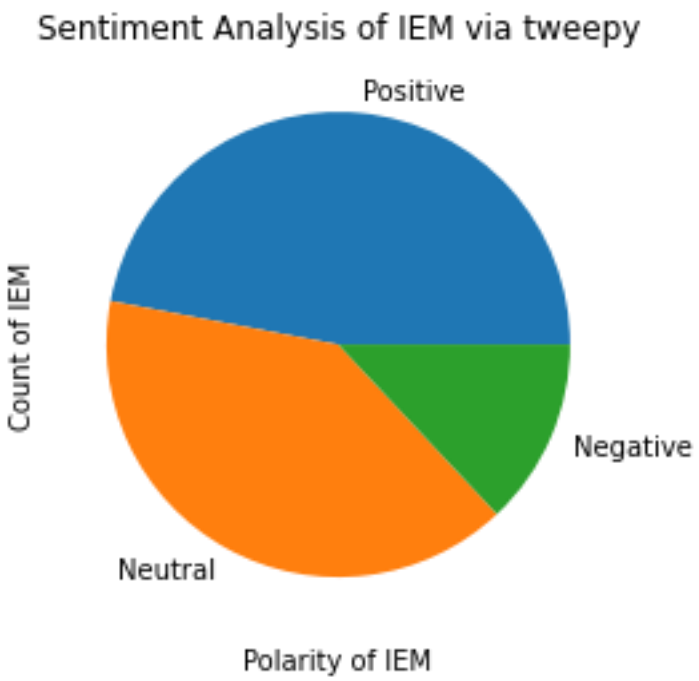
In [371]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("IEM Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity of IEM')
plt.ylabel('Subjectivity of IEM')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



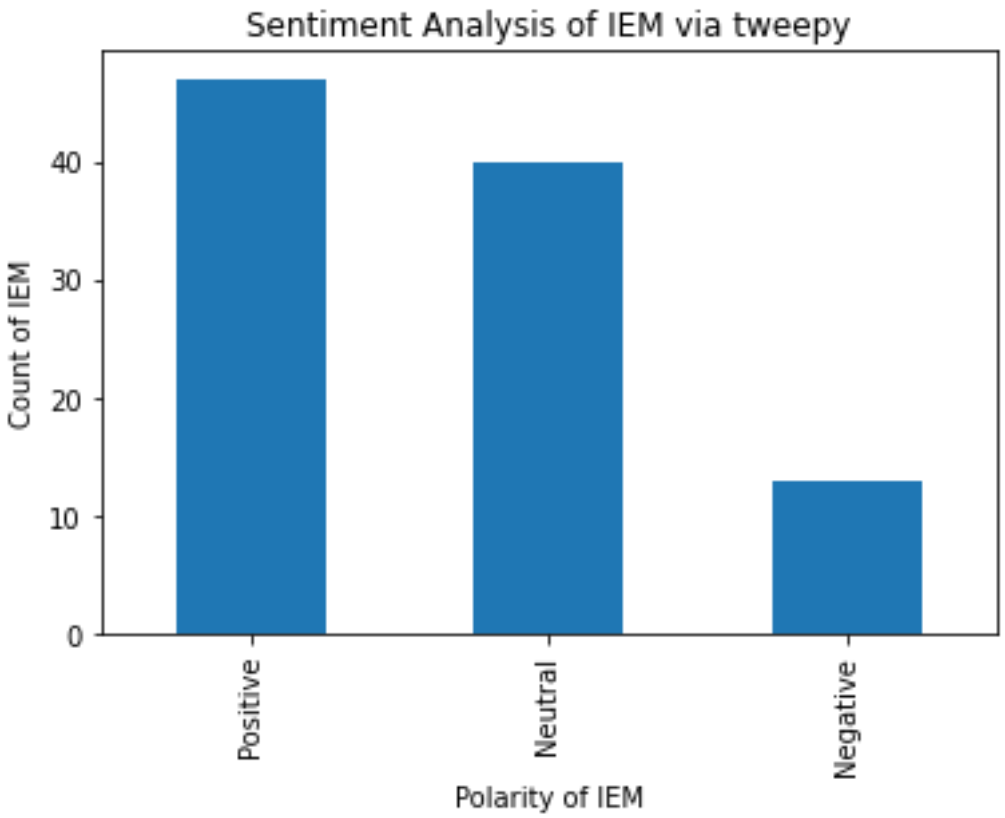
In [372]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of IEM via tweepy")
plt.xlabel('Polarity of IEM')
plt.ylabel('Count of IEM')
plt.show()
```



In [375]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of IEM via tweepy")
plt.xlabel('Polarity of IEM')
plt.ylabel('Count of IEM')
plt.show()
```



In [376]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Remember, you don't ONLY have access to IEM Dallas, but to the ENTIRE Dreamhack festival with your ticket 😎

Where are you going first after the doors open?

👉

2) With the EU Closed Qualifier complete, here are all 16 teams invited to IEM Dallas! us

3) Thank you all for tuning into the IEM Dallas EU Closed Qualifier this week 💯

And again huge congrats to & on making it to IEM Dallas 2022 😎

4) It's time to book a flight for to IEM Dallas 🛫

2-0

We're looking forward to see you in action us

5) Huge congrats to as they qualify for IEM Dallas 2022 🏆

2-1

See ya in Dallas 🤠

6) A comfortable 2-0 victory for over 👊

16:3 on Mirage
16:10 on Vertigo

7) The winner will make it to IEM Dallas 2022 🤠

vs.

Don't miss the action: 👇
📺

8) An action packed day is over, so let's take a look at the updated bracket!

Cya all tomorrow for more CS 👏

9) It got a bit close in the end, but comes out on top 2-0 vs. !

16:11 on Vertigo
16:13 on Inferno

10) . take the first map 16:11!
Up next we have their pick Inferno 🔥

11) : Some great deagle work by _CSGO to win that 2v4 👏

12) Impressive showing by as they eliminate _Riders 🚁

16:13 on Overpass
16:2 on Nuke

They will be facing at 19:00.

13) It's time for day two of the IEM Dalles EU Closed Qualifier 😎

Updated bracket below! Games going LIVE at 14:30.

14) First day of the EU Closed Qualifier is done!

Let's take a look at the upper-bracket and cya all tomorrow for more CS 👏

15) . stay alive after a huge comeback on the third map!

That means are eliminated from the qualifier.

10:16 on Dust 2
16:6 on Inferno
14:16 on Ancient

16) We are all tied up 1-1!

A great performance on Nuke by the Danes as we move to the decider Overpass 🐯

17) Live with our next games! 🔥

vs.

vs.

18) A clean 2-0 for as they advance in the upper-bracket!

_Riders will have another shot in the lower-bracket!

16:11 on Ancient
16:6 on Inferno

19) That was a quick one on Mirage 😄

Can turn up on Dust 2 or will take the series 2-0? 👇

20) The legend is back with !

Their first game vs. going LIVE right now 👇

21) We're LIVE with the first games!

vs.

vs.

22) Two more teams can qualify for IEM Dallas, on Monday the European Closed Qualifier starts!

Which of these teams do you think will make it to the main event in the U.S.? us

23) Do you want to experience the Cathedral of Counter-Strike in an expanded kind of way? 😍

Then hurry up! Our Weekend Plus tickets for IEM Cologne are already 95% SOLD OUT 😳

👇 Get yours while they are still available

24) Want to come watch IEM Dallas LIVE?

Get your tickets here 👇

25) Only two spots remain vacant as IEM Dallas is coming closer and closer! us

So far we already have a star-studded lineup 🤩

Who's your favorite to win it all?

26) . take their first steps in the series towards IEM Dallas

They take Ancient 16:7 over to go up 1-0 in the series 💪

Map two will be Vertigo up next 🏙

27) : . & make quick work of the 2v3 to secure the map for 🙌

IEM

28) . dominate the first map with a 16:6 win on Vertigo against 🌆

Map two will be Vertigo up next 🔥

IEM

29) Only one slot each remains for South and North America at IEM Dallas 2022

And both those slots are being filled real soon 👀

vs

vs

Winner of each series books their ticket to Texas 🤠

30) . sweep the series 2-0 against to be the first team to qualify for IEM Dallas through the NA Close d qualifier

16:14 on Overpass
16:9 on Ancient

31) . secure the series 2-0 against , eliminating them from the NA IEM Dallas closed qualifier

16:6 on Overpass
16:12 on Vertigo

32) . take the clean sweep against to advance to the grand final of the IEM Dallas SA Closed Qualifier 👌

16:6 on Nuke
16:7 on Inferno

33) . strike first in the series with a 16:6 win on Overpass over 🏘

Map two will be Vertigo after the break 🌇

IEM

34) Only one of these two teams can continue their lower bracket run in the NA IEM Dallas closed qu alifier 👀

vs

This series for survival starts on Inferno right now 🔥

35) We're going LIVE with NA for the IEM Dallas closed qualifier 🔥

and clash for the first spot at the main event

The series is live on Overpass right now 🏰

36) . strike first 👊

They take Nuke 16:6 over to go up 1-0 in the series ☢

Map two will be Inferno up next 🔥

37) Live for the IEM Dallas South American Closed Qualifier 🌎

vs

Winner in this series books themselves a spot in the grand final against 👀

It's live on Nuke right now

38) The qualifying Oceanic IEM Dallas 2022 representatives are none other than ! 🏆

Such an intense series was well fought, going all the way to 3 maps! GGWP 👏

16:9 Overpass
13:16 Vertigo
16:12 Ancient

39) Reports of a 10-man scuffle at the top of Vertigo have been confirmed, with _gg walking away wi th the map victory 16:13 and equalising the series against 1-1!

We're going all the way to Ancient! 😆

🌑 IEM

40) We've been blessed with some incredible matches here in the OCE IEM Dallas 2022 Closed Qualif ier! 😆

However, we're now at a critical juncture; who will represent Oceania at Dallas?

_gg 🆚

📺

Live soon, at 7PM AEST! 🌑

41) . have absolutely awoken, and snatch away Ancient 16:7 to equalise the series against !

It all comes down to Overpass, to which we're en route for the decider! 👇

🌑 IEM

42) These teams know absolutely zero chill; come out absolutely swinging against , taking Vertigo 16 :7! 🔥

Up next is LFO's map pick, Ancient! 🏛

🌑 IEM

43) The scene is set. 🎬
The 3 teams standing want one thing: to qualify for IEM Dallas 2022, as the OCE Closed Qualifiers res ume!

Who will face off against _gg? 🤔
Find out as we kick off with a banger!

🆚
📺

Live now! 🌑

44) That's all for today for the NA and SA qualifiers for IEM Dallas 2022 🙋

Be sure to watch in an hour and a half when the OCE qualifiers resume 👌

45) . end the day for the main stream with a 2-0 sweep against _GG

16:2 on Nuke
16:9 Ancient

GGs IEM

46) ._CSGO take the first map 👌

They best 16:7 on Vertigo to find the early lead in the series 🌆

Map two will be Overpass up next 🏢

IEM

47) : HE'S SO CRISP, HE'S SO CLEAN

with the FIRE 1v3 to steal back the round 🔥

IEM

In [377]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : Finally a round on the board for 😄

2) It's about to go down in the IEM Dallas EU Closed Qualifier 🔥

vs.

vs.

3) We are all tied up as steal Overpass 16:4 🤠
The final map Vertigo going live in a few minutes 👇

4) : A massive round by 💥

5) That. Was. Brutal.

take the series 2-0 over !

16:4 on Ancient
16:6 on Nuke

6) : . manage to get a 4th round on the board!
Is it enough to make the comeback? 🤔

7) You blink and you miss it 😳

is not messing around after taking down 16:4 on Inferno!
Up next we have some Ancient action 👌

8) In less then one hour we're LIVE with the IEM Dallas EU Closed Qualifier 🔥

Two spots are up for grabs! Who are your favorites? 👀

9) Unfortunately, Outsiders had to withdraw from IEM Dallas due to unforeseen visa issues.

They are replaced by , who were the highest ranked team from the EU open qualifiers.

10) That's all for both the South and North American closed qualifiers. Congratulations to the three t eams who made their way to Dallas 👏

And if you want to join them in Dallas, pick up your tickets here 🤠

11) It's time to find out who our last team is coming through the IEM Closed qualifier on the NA side 👀

vs

Whoever takes this series secures a spot in Dallas 🤠

12) . came out of the gates running and refused to slow down, taking Overpass 16:9 from _gg!

Heading into ORDER's pick in Vertigo, how will the rounds unfold?

🟣 IEM

13) . obliterate the competition, taking down _GG 16:2 on Nuke

Map two will be Ancient up next 2️⃣

IEM

In [378]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Only 25 days remain until we kick off IEM Dallas!!! us

Which NA team will make it the furthest? 👀

2) : . is not giving up without a FIGHT!

OVERTIME 15:15: 👇

3) : Only six rounds away from IEM Dallas 🔥

4) From 6:12 to 16:13 for ! 💥
We got Vertigo up next 🏗️

5) : Looks like is starting to wake up 👀
Can they manage the 6-12 comeback?

6) One final spot at IEM Dallas up for grabs!

vs.

📺

7) : The 1v2 to force a third map!! 🤩

8) : The incendiary does the work for 😯

9) : . going HUUUUUGE 🔥

10) Ancient secured 16:12 for 👏
They are now one map away from IEM Dallas 👀

Mirage up next after a short break: 👇

11) : Soooooo damn close 😱

12) : The 1v2 by to give a flying start to Ancient 🚁

13) We have a treat over at the B-stream as well! 👀

vs.

The winner will face the loser of BIG/Entropiq for the final spot at IEM Dallas ✌️

14) The Danes make the reverse sweep and eliminated 🤜🤛

2:16 on Dust 2
16:11 on Ancient
16:11 on Overpass

will be up against tomorrow at 14:30.

15) : A 9:6 lead for at halftime on Vertigo 🏢

16) The streak continues for 🤜🤛

16:9 on Nuke
4:16 on Overpass
16:7 on Vertigo

They will play against tomorrow for a spot at IEM Dallas.

17) : Looks like is waking up 👀

18) The German side take Nuke 16:9 and go up 1-0 in the series!
Overpass coming up next.

19) The road to Dallas continues with some 🔥 matchups!

vs.

_Riders vs.

Which team are you rooting for? 📢

20) Upper bracket finals secured for 👏

16:12 on Ancient
9:16 on Nuke
16:12 on Overpass

21) : OHHH BOY! THE 1 VS 5 😱

22) . with the victory 2-0 over !

16:2 on Mirage
16:9 on Dust 2

23) VAMOUZ on Ancient 16:11 👊

Moving to _Riders map pick Inferno next 🔥

24) We got a banger up next on the A-stream 😯

ES _Riders vs. EU

25) The reverse sweep for ! 🧹

2-1

4:16 on Inferno
16:14 on Ancient
16:5 on Vertigo

26) All the rounds was needed on Ancient!

16:14

The series will be decided on Vertigo 🏗️

27) A dominant performance on Ancient by 👀

Heading to Nuke next ☢️

28) : The T-side looking 🔥 for !

29) . qualify for IEM Dallas 2022 by besting in the consolidation final 2-1

16:7 on Ancient
12:16 on Vertigo
16:10 on Inferno

30) . take the series 2-1 against to qualify for IEM Dallas 2022

16:6 on Vertigo
14:16 on Inferno
16:11 on Dust2

31) . show a return to form in map two

They take Vertigo 16:12 over to bring the series to map three

The series will be decided on Inferno up next

32) . deny the comeback to tie the series 👀

They take Inferno 16:14 to force the decider against

Winner on Dust2 up next is going to IEM Dallas

33) It's time to see who's taking the crown in South America 👑

vs

Winner books a ticket to IEM Dallas. Loser stays home.

34) Map one goes the way of 👍

They steal the map pick of with a 16:14 scoreline on Overpass 🏚

Map two will be Ancient up next 2️⃣

IEM

35) : . STEALS the map with a 1v2 to deny the defuse 💣 🚫

IEM

36) : Anti-eco AWPing 💪

finds three at ramp 👌

IEM

37) It has to be said that had to work for that victory, taking the series 2-1 over a determined ! GGW P 👏

7-16 Vertigo
16-7 Ancient
16-13 Overpass

IEM

38) . strike back on the second map 👊

They take Overpass 16:8 against _CSGO to tie the series at 1-1

The decider will be Nuke up next

IEM

39) : OH MY 😵

with an UNREAL one tap flick 😱

IEM

40) . dominate the series with a swift 2-0 sweep against , denying them double digits on both maps 🧹

16:2 on Dust2
16:6 on Overpass

GGWP IEM

(IEM TEAMS SUCCESS PREDICTION)

QUESTION #2: FAZECLAN

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [381]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [382]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [383]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [384]:

```
posts= api.user_timeline(screen_name='FaZeClan',count=100,tweet_mode='extended')
```

In [385]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) Set your alarms ⏰

Here's when you'll be seeing our #FAZE1 contestants taking over the Warehouse for the next 24 hou
rs.

📺 https://t.co/gTGJtcnY2p https://t.co/E09wDix4vl

2) You still have a chance to try some @GhostLifestyle for FREE!

Just download the GHOST App to get some GAMER in your hands, while supplies last!

📲 https://t.co/97jf4Ng82D https://t.co/48KmrEbTZE

3) Due to circumstances out of our control, we've made a change to the #FAZE1 Schedule.

For the next 24 hours, we're challenging the contestants to show us their audience's loyalty.

To @Potter: We're wishing you all the best, and know you'll bounce back from this better than ever. https://t.co/MjddWZ1Zn7

4) RT @FaZeUpdate: Want to be featured in our Halo edition of FaZe Fan Clips?

Get some highlights using our FaZe Halo cosmetics - either your…

5) @RaptorsGC @Bell 💙

6) 💫 https://t.co/E6bLttnw2A

7) @DuckyChannel QUACK

8) FaZe Clan ✗ @DuckyChannel

A limited edition collab featuring our first ever FaZe-branded keyboard.

Available May 14th in-store at The Armory Pop-Up in LA & May 15th online. https://t.co/K6pjYDSPmf

9) Apex has never been this big https://t.co/DUKj4xf3nE

10) Hey @FaZeApex 👏 https://t.co/d2yHTYJ6vW

In [386]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[386]:

	Tweets
0	Set your alarms ⏰ \n\nHere's when you'll be se...
1	You still have a chance to try some @GhostLife...
2	Due to circumstances out of our control, we've...
3	RT @FaZeUpdate: Want to be featured in our Hal...
4	@RaptorsGC @Bell ❤️

	Tweets
...	...
95	@Poach @TSM Let's GOOOOOOOOOOOOOO
96	@FaZeMew We love @FaZeMew
97	See you at the Main Event.\n\n#VCT | #FaZeUp h...
98	https://t.co/UMaL7YXuRZ
99	Today's buzzer beater by @AyyJayyRL might have...

100 rows × 1 columns

In [387]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [388]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [389]:

```
df
```

Out[389]:

	Tweets
0	Set your alarms ⏰ \n\nHere's when you'll be se...
1	You still have a chance to try some for FREE!...
2	Due to circumstances out of our control, we've...
3	: Want to be featured in our Halo edition of F...

	Tweets
4	❤️
...	...
95	Let's GOOOOOOOOOOOOOOO
96	We love
97	See you at the Main Event.\n\nVCT | FaZeUp
98	
99	Today's buzzer beater by might have broken 's...

100 rows × 1 columns

In [390]:

```
analysis=TextBlob("Today was the best day ")
```

In [391]:

```
analysis.sentiment
```

Out[391]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [392]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [393]:

```
df
```

Out[393]:

	Tweets	Subjectivity	Polarity
0	Set your alarms ⏰ \n\nHere's when you'll be se...	0.000000	0.000000
1	You still have a chance to try some for FREE!...	0.433333	0.250000
2	Due to circumstances out of our control, we've...	0.362500	0.312500
3	: Want to be featured in our Halo edition of F...	0.000000	0.000000
4	❤️	0.000000	0.000000
...	...	...	...
95	Let's GOOOOOOOOOOOOOOO	0.000000	0.000000
96	We love	0.600000	0.500000
97	See you at the Main Event.\n\nVCT | FaZeUp	0.333333	0.166667
98		0.000000	0.000000
99	Today's buzzer beater by might have broken 's...	0.400000	-0.400000

100 rows × 3 columns

In [ ]:

In [394]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
    if score<0:
        return 'Negative'
    elif score==0:
        return 'Neutral'
    else:
        return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[394]:

	Tweets	Subjectivity	Polarity	Analysis
0	Set your alarms ⏰ \n\nHere's when you'll be se...	0.000000	0.000000	Neutral
1	You still have a chance to try some for FREE!...	0.433333	0.250000	Positive
2	Due to circumstances out of our control, we've...	0.362500	0.312500	Positive
3	: Want to be featured in our Halo edition of F...	0.000000	0.000000	Neutral
4	❤️	0.000000	0.000000	Neutral
...	...	...	...	...
95	Let's GOOOOOOOOOOOOOOO	0.000000	0.000000	Neutral
96	We love	0.600000	0.500000	Positive
97	See you at the Main Event.\n\nVCT | FaZeUp	0.333333	0.166667	Positive
98		0.000000	0.000000	Neutral
99	Today's buzzer beater by might have broken 's...	0.400000	-0.400000	Negative

100 rows × 4 columns

In [395]:

```
df[df['Analysis']=='Neutral']
```

Out[395]:

	Tweets	Subjectivity	Polarity	Analysis
0	Set your alarms ⏰ \n\nHere's when you'll be se...	0.00	0.0	Neutral
3	: Want to be featured in our Halo edition of F...	0.00	0.0	Neutral
4	❤️	0.00	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
5	🦆	0.00	0.0	Neutral
6	QUACK	0.00	0.0	Neutral
8	Apex has never been this big	0.10	0.0	Neutral
9	Hey 👏	0.00	0.0	Neutral
13	W ☑	0.00	0.0	Neutral
15	👁	0.00	0.0	Neutral
17	On set with 🎬	0.00	0.0	Neutral
18		0.00	0.0	Neutral
19	Where we dropping, boys and girls? FAZE1	0.00	0.0	Neutral
20	Group 2 is in the house 🔥	0.00	0.0	Neutral
25	You're a menace	0.00	0.0	Neutral
26		0.00	0.0	Neutral
27	⍰	0.00	0.0	Neutral
31	SHEEEEEEEEEEEESH	0.00	0.0	Neutral
33	FAZE1 Day 1 📸	0.00	0.0	Neutral
34	W ✅	0.00	0.0	Neutral
35		0.00	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
36	WHERE ARE YOU ⁉️	0.00	0.0	Neutral
37	We're finally finding out why is wearing a he...	1.00	0.0	Neutral
39	Don't worry , we turned off fall damage.	0.00	0.0	Neutral
40	👀	0.00	0.0	Neutral
42	Does it count if we like and unlike 1300 times	0.00	0.0	Neutral
44	Got the family here for the FAZE1 Opening Cere...	0.00	0.0	Neutral
46	😳	0.00	0.0	Neutral
47	All set at the crib. FAZE1	0.00	0.0	Neutral
48	Almost showtime... \n\n⏰ 2 pm PT on Twitch	0.00	0.0	Neutral
49	See you there	0.00	0.0	Neutral
50	🤲🤲	0.00	0.0	Neutral
52	LET'S GO! ❤️🔥	0.00	0.0	Neutral
54		0.00	0.0	Neutral
55	8 ♾ 24	0.00	0.0	Neutral
57	Thank you for everything, . ❤️	0.00	0.0	Neutral
58	In just over 24 hours we begin 15 days of nons...	0.00	0.0	Neutral
59	🎜	0.00	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
61	💋	0.00	0.0	Neutral
62	3 years ago today, & joined the FaZe fam...	0.00	0.0	Neutral
63	Show us your FaZe Sticker Crafts	0.00	0.0	Neutral
65	💳💥💥💥💳💥💳💥💥💳💥💥💳💥💥	0.00	0.0	Neutral
66	Introducing FaZe CS:GO	0.00	0.0	Neutral
67	Thank you ropz	0.00	0.0	Neutral
68	hi	0.00	0.0	Neutral
70	🤩🤩🤩	0.00	0.0	Neutral
72	💙💙💙	0.00	0.0	Neutral
74	🔥🔥🔥🦙	0.00	0.0	Neutral
77	🔥🔥🔥	0.00	0.0	Neutral
79	Tilted Towers got destroyed?	0.00	0.0	Neutral
83	😎	0.00	0.0	Neutral
84	KING 👑	0.00	0.0	Neutral
85	SPARGOAT 🦙 \n\n | FaZeUp	0.00	0.0	Neutral
86	THE LOW TIDE CITY ULTIMATE SINGLES CHAMP! \n\n...	0.65	0.0	Neutral
90	Let's roll	0.00	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
91	Larger than life 🏙️	0.50	0.0	Neutral
93	Batman Returns	0.00	0.0	Neutral
94	Just the beginning 👊	0.00	0.0	Neutral
95	Let's GOOOOOOOOOOOOOOO	0.00	0.0	Neutral
98		0.00	0.0	Neutral

In [396]:

```
df['Analysis'].value_counts()
```

Out[396]:

```
Neutral     59
Positive    38
Negative     3
Name: Analysis, dtype: int64
```

In [397]:

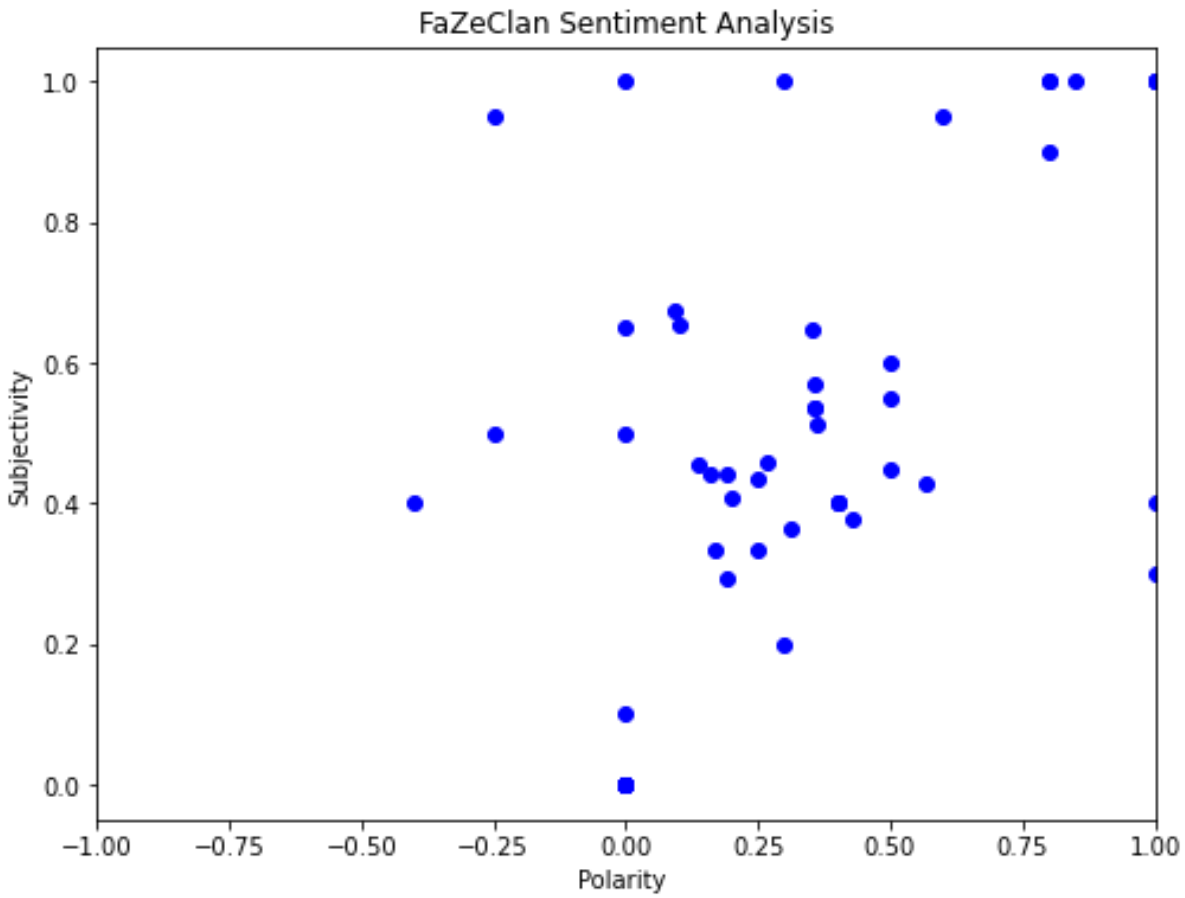
```
df.shape
```

Out[397]:

```
(100, 4)
```

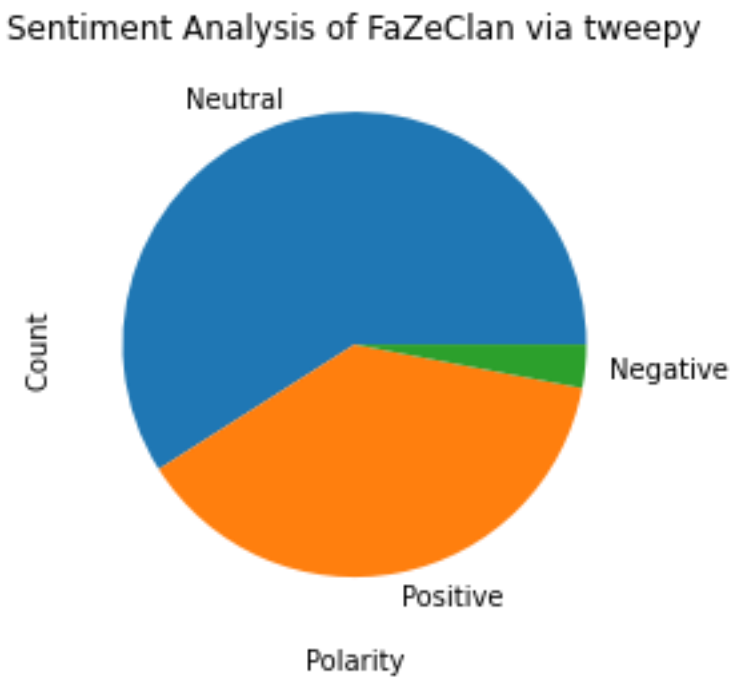
In [401]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("FaZeClan Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



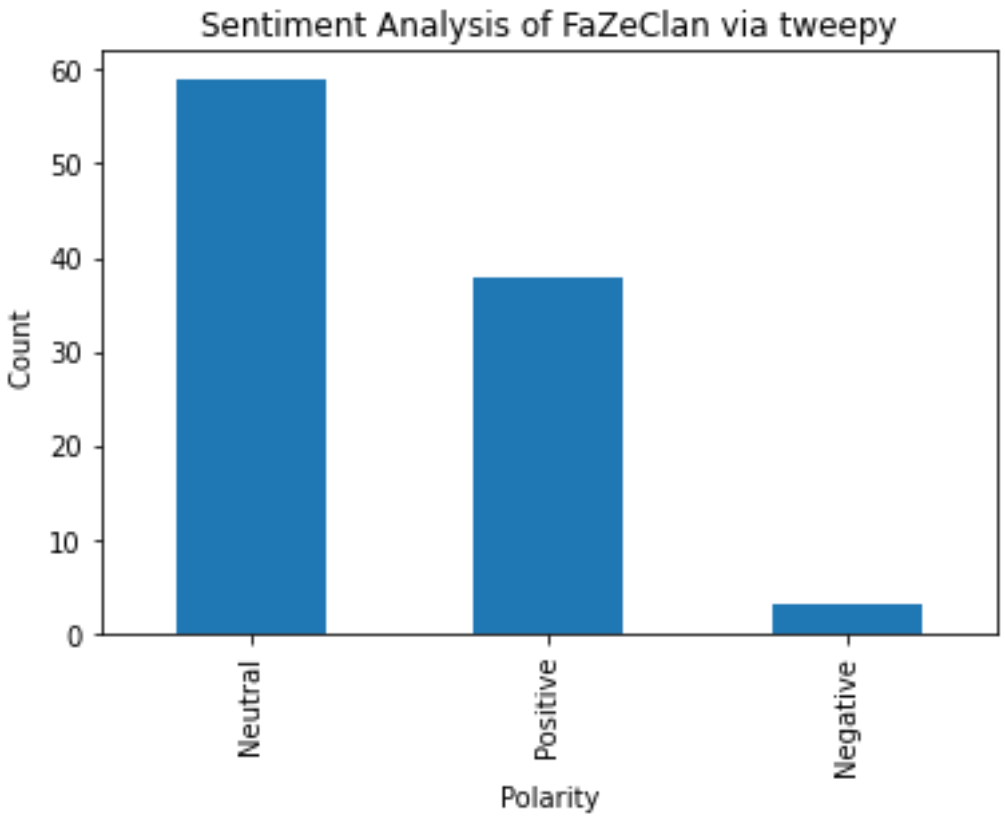
In [402]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of FaZeClan via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [403]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of FaZeClan via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [404]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) You still have a chance to try some for FREE!

Just download the GHOST App to get some GAMER in your hands, while supplies last!

2) Due to circumstances out of our control, we've made a change to the FAZE1 Schedule.

For the next 24 hours, we're challenging the contestants to show us their audience's loyalty.

To : We're wishing you all the best, and know you'll bounce back from this better than ever.

3) FaZe Clan ✗

A limited edition collab featuring our first ever FaZe-branded keyboard.

Available May 14th in-store at The Armory Pop-Up in LA & May 15th online.

4) WE READY . WINNERS WIN.

5) Happy Birthday ! 🥳

6) Happy Birthday to the star of the show, ! 🎂

7) Happy Mother's Day! ♡

8) We'e giving away 3 Nano S Plus wallets RIGHT NOW!

📺 | FAZE1

9) Due to unfortunate circumstances, , , & are unable to join us at FAZE1 The Warehouse. Thes e 3 all deserved their spot in the Top 20 and we hope to see them soon!

Stepping in as alternates, please welcome & to the show!

10) Who's moving on from our first group? FAZE1

11) Happy birthday MrBeast

12) Today's special guests. FAZE1

13) Who's been your favorite so far? FAZE1

14) : . brought the 1on1's to Vegas for the NFLDraft and had the legendary at QB! 🔥

Check out the…

15) To celebrate our new partnership with , we want to get their products in YOUR hands!

Just download the GHOST App and get your choice of GAMER or ENERGY for FREE (while supplies las t)!

📲

16) We're loving it CBass

17) We're giving away $50,000 in crypto thanks to right now.

Yes. FIFTY THOUSAND.

Find out how to win at

18) FAZE1 THE WAREHOUSE STARTS RIGHT NOW!

📺

19) Welcome to The Warehouse. FAZE1

20) A new beginning.

Introducing FaZe Clan's newest partner, and sponsor of FAZE1 The Warehouse:

21) Rounding out the intros before FAZE1 The Warehouse: , , , , & .

The fun starts tomorrow. 👀

22) Catch Ws like without worrying about a spill or two.

The water-resistant Apex 3 TKL is available now. ForGlory

23) BROKY STICKERS
KARRIGAN STICKERS
RAIN STICKERS
ROPZ STICKERS
TWISTZZ STICKERS
FAZE CLAN STICKERS

AVAILABLE NOW

24) It’s beautiful

25) You're gonna get real familiar with , , , , & .

FAZE1 The Warehouse begins in less than 2 days.

26) Time to get to know our FAZE1 Top 20 a little better.

First up: , , , , & . See you at The Warehouse.

27) : Snipe City by FaZe

Now Available at

28) FAZE CLAN SEASON 2 BUNDLE GIVEAWAY

We've got 20 codes to give away to kick off the new Halo Infinite season. Just like this tweet and repl
y with FaZeUp for your chance to win!

29) It’s a big day in Snipe City.

Happy Birthday ! 🎂

30) 3 days until FAZE1 The Warehouse.

15 straight livestreamed days of insane challenges, special surprise guests, huge giveaways for viewe rs, and much more.

Oh, and someone's gonna become a MILLIONAIRE. Who will be the one?

31) Welcome to The Armory

FaZe Clan's pop-up retail store and gaming lounge, open May 14th to June 9th on weekends & s elect days in LA.

We're dropping brand new collabs and limited edition apparel every single week. Stay tuned.

32) Eid Mubarak from FaZe Clan!

We've nearly reached our goal of sponsoring the well being of 100 orphans with . Donate below if yo u're able to help!

📎

33) : WHAT A FINISH AND WHAT A WIN FOR !!

34) An unforgettable day with Shray 💗

35) This WorldWishDay, we teamed up with to help make a dream come true.

's wish was to become a FaZe member for a day and meet , so we made sure to give him an experien ce none of us will ever forget. 💗

Catch the whole video now on YouTube.

36) Fortnite Season 4 was released 4 years ago today.

Was this the best season ever?

37) We love

38) See you at the Main Event.

VCT | FaZeUp

In [405]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Who is this? Wrong answers only

2) We told you this wasn't an ordinary recruitment challenge...

📺

3) Today's buzzer beater by might have broken 's brain 🤯

In [406]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Set your alarms ⏰

Here's when you'll be seeing our FAZE1 contestants taking over the Warehouse for the next 24 hours .

📺

2) : Want to be featured in our Halo edition of FaZe Fan Clips?

Get some highlights using our FaZe Halo cosmetics - either your…

3) 💟

4) 🦆

5) QUACK

6) Apex has never been this big

7) Hey 👏

8) W ☑

9) 👁

10) On set with 🎬

11)

12) Where we dropping, boys and girls? FAZE1

13) Group 2 is in the house 🔥

14) You're a menace

15)

16) ⍰

17) SHEEEEEEEEEEEESH

18) FAZE1 Day 1 📸

19) W ✅

20)

21) WHERE ARE YOU ⁉️

22) We're finally finding out why is wearing a helmet

23) Don't worry , we turned off fall damage.

24) 👀

25) Does it count if we like and unlike 1300 times

26) Got the family here for the FAZE1 Opening Ceremony

27) 😵

28) All set at the crib. FAZE1

29) Almost showtime...

⏲ 2 pm PT on Twitch

30) See you there

31) 🤝🤝

32) LET'S GO! ♡🔥

33)

34) 8 ♾ 24

35) Thank you for everything, . ♡

36) In just over 24 hours we begin 15 days of nonstop livestreaming from FAZE1 The Warehouse...

So it's about time you meet , , , , & .

37) 🎜

38) 🤝

39) 3 years ago today, & joined the FaZe fam ♡🔥

40) Show us your FaZe Sticker Crafts

41) 🎟💥💥💥🎟💥🎟💥💥🎟💥💥🎟💥💥

42) Introducing FaZe CS:GO

43) Thank you ropz

44) hi

45) 😍😍😍

46) 💜💜💜

47) 🔥🔥🔥🐐

48) 🔥🔥🔥

49) Tilted Towers got destroyed?

50) 😎

51) KING 👑

52) SPARGOAT 🐐

| FaZeUp

53) THE LOW TIDE CITY ULTIMATE SINGLES CHAMP!

🎖

LowTideCity | FaZeUp

54) Let's roll

55) Larger than life 🏙

56) Batman Returns

57) Just the beginning 👊

58) Let's GOOOOOOOOOOOOOOO

QUESTION #2: FURIA

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [381]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [382]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [383]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [407]:

```
posts= api.user_timeline(screen_name='FURIA',count=100,tweet_mode='extended')
```

In [408]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) RT @kauezcs: 2x1 vs Players e somos campeões da Série B
#GOFURIA

2) RT @zmbLeo: 2x1 vs Players e somos campeões da Série B, um jogo muito difícil contra meu amig
o @kyoshix1
#GOFURIA #DIADEFURIA

3) RT @decentycs: gg 2x1 vs Players e somos novamente campeões da Série B, obg a todos que torce
ram 💜

#GOFURIA @FURIA

4) RT @koalxcs: 2x1 vs #Players e somos campeões da Serie B 🐨🏆

#DIADEFURIA @FURIA

5) RT @Bruninhofps1: 2x1 #Players.
Campeões da Série B, obg quem estava na torcida 💜 🤑

🏆🏆🏆

@FURIA #diadefuria

6) #FURIACS Academy CAMPEÕES da #LigaGamersClub Série B! 🏆🏆

Inferno 16x7
Vertigo 8x16
Overpass 16x9
2x1 na Grande Final!

@zmbLeo @decentycs @kauezcs @Bruninhofps1 @koalxcs @msrfps 🥇

A BASE VEM FORTE D E M A I S 🔥

#DIADEFURIA https://t.co/7S1QG2KAES

7) kauezão no RECURSO pra garantir o 10° ponto na Overpass

#DIADEFURIA #FURIACS #LigaGamersClub https://t.co/EuMucDeA2l

8) FALTA 1 MAPA PRA FURINHA!

bora de Vertigo! https://t.co/YJpg70MhTs

9) RT @GamersClubCS: [Série B]

ELE AMASSA! @Bruninhofps1

📺 https://t.co/1r7QeIpWDF

#LigaGamersClub https://t.co/Md4A8hNO6A

10) RT @FURIA_live: [#FURIACS Academy]

BR FURIA Academy x Players BR
🗺 Mapa: Inferno 🔥

1° half:
🛡 9x6 🧨
📈 Lead: FURIA

FURIA: CT 🛡 → 🧨 T…

In [409]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[409]:

	Tweets
0	RT @kauezcs: 2x1 vs Players e somos campeões d...
1	RT @zmbLeo: 2x1 vs Players e somos campeões da...
2	RT @decentycs: gg 2x1 vs Players e somos novam...
3	RT @koalxcs: 2x1 vs #Players e somos campeões ...
4	RT @Bruninhofps1: 2x1 #Players. \nCampeões da ...
...	...
95	@gabsfreindorfer @paulanobrez @gabeecsgo @sofi...
96	RT @gabsfreindorfer: ALEGRIIIIIIIIIA ESSE TIMÃ...
97	@RocketLeague_BR @HawksLatam #DIADEFURIA
98	RT @Siege_GG: FURIA’s consistency has prevaile...
99	VAMO? https://t.co/VHpLOvTUu8

100 rows × 1 columns

In [410]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [411]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [412]:

df

Out[412]:

	Tweets
0	: 2x1 vs Players e somos campeões da Série B\n...
1	: 2x1 vs Players e somos campeões da Série B, ...
2	: gg 2x1 vs Players e somos novamente campeões...
3	: 2x1 vs Players e somos campeões da Serie B 🥳...
4	: 2x1 Players. \nCampeões da Série B, obg quem...
...	...
95	ALEGRIIIIIIIIA
96	: ALEGRIIIIIIIIIA ESSE TIMÃO! ❤️\n \n\nPS:...
97	_BR DIADEFURIA
98	_GG: FURIA’s consistency has prevailed despite...
99	VAMO?

100 rows × 1 columns

In [413]:

```
analysis=TextBlob("Today was the best day ")
```

In [414]:

```
analysis.sentiment
```

Out[414]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [415]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
    return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
```

```
    return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [416]:

```
df
```

Out[416]:

	Tweets	Subjectivity	Polarity
0	: 2x1 vs Players e somos campeões da Série B\n...	0.0	0.0
1	: 2x1 vs Players e somos campeões da Série B, ...	0.0	0.0
2	: gg 2x1 vs Players e somos novamente campeões...	0.0	0.0
3	: 2x1 vs Players e somos campeões da Serie B 😴...	0.0	0.0
4	: 2x1 Players. \nCampeões da Série B, obg quem...	0.0	0.0
...	...	...	...
95	ALEGRIIIIIIIIA	0.0	0.0
96	: ALEGRIIIIIIIIIA ESSE TIMÃO! ❤️\n \n\nPS:...	0.0	0.0
97	_BR DIADEFURIA	0.0	0.0
98	_GG: FURIA’s consistency has prevailed despite...	0.7	0.0
99	VAMO?	0.0	0.0

100 rows × 3 columns

In [ ]:

In [417]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
    if score<0:
```

```
    return 'Negative'
  elif score==0:
    return 'Neutral'
  else:
    return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[417]:

	Tweets	Subjectivity	Polarity	Analysis
0	: 2x1 vs Players e somos campeões da Série B\n...	0.0	0.0	Neutral
1	: 2x1 vs Players e somos campeões da Série B, ...	0.0	0.0	Neutral
2	: gg 2x1 vs Players e somos novamente campeões...	0.0	0.0	Neutral
3	: 2x1 vs Players e somos campeões da Serie B 😴...	0.0	0.0	Neutral
4	: 2x1 Players. \nCampeões da Série B, obg quem...	0.0	0.0	Neutral
...	...	...	...	...
95	ALEGRIIIIIIIIA	0.0	0.0	Neutral
96	: ALEGRIIIIIIIIIA ESSE TIMÃO! ❤️\n \n\nPS:...	0.0	0.0	Neutral
97	_BR DIADEFURIA	0.0	0.0	Neutral
98	_GG: FURIA’s consistency has prevailed despite...	0.7	0.0	Neutral
99	VAMO?	0.0	0.0	Neutral

100 rows × 4 columns

In [418]:

```
df[df['Analysis']=='Neutral']
```

Out[418]:

	Tweets	Subjectivity	Polarity	Analysis
0	: 2x1 vs Players e somos campeões da Série B\n...	0.0	0.0	Neutral
1	: 2x1 vs Players e somos campeões da Série B, ...	0.0	0.0	Neutral
2	: gg 2x1 vs Players e somos novamente campeões...	0.0	0.0	Neutral
3	: 2x1 vs Players e somos campeões da Serie B 😴...	0.0	0.0	Neutral
4	: 2x1 Players. \nCampeões da Série B, obg quem...	0.0	0.0	Neutral
...	...	...	...	...
95	ALEGRIIIIIIIIA	0.0	0.0	Neutral
96	: ALEGRIIIIIIIIIA ESSE TIMÃO! ❤️\n \n\nPS:...	0.0	0.0	Neutral
97	_BR DIADEFURIA	0.0	0.0	Neutral
98	_GG: FURIA’s consistency has prevailed despite...	0.7	0.0	Neutral
99	VAMO?	0.0	0.0	Neutral

76 rows × 4 columns

In [419]:

```
df['Analysis'].value_counts()
```

Out[419]:

```
Neutral     76
Positive    17
Negative     7
Name: Analysis, dtype: int64
```

In [420]:

```
df.shape
```

Out[420]:

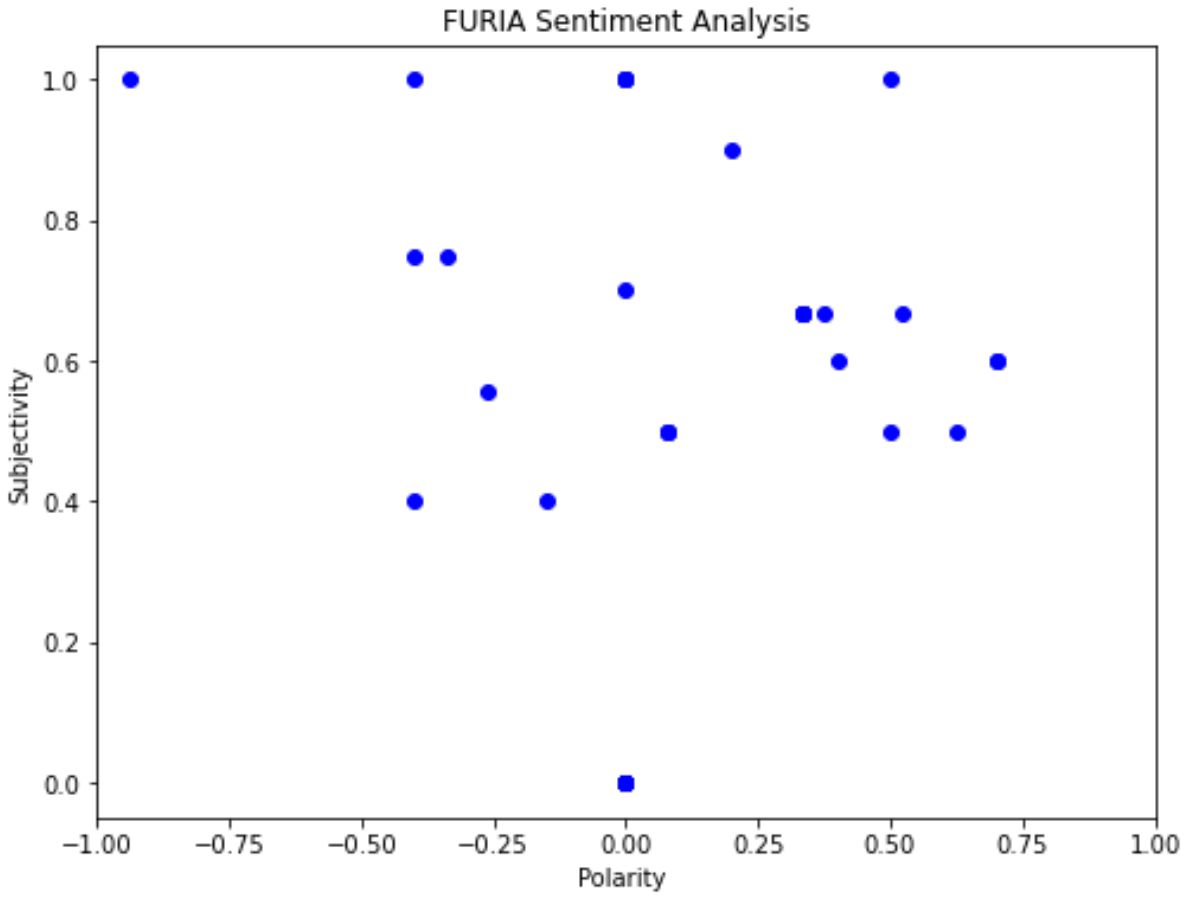
```
(100, 4)
```

In [421]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
```

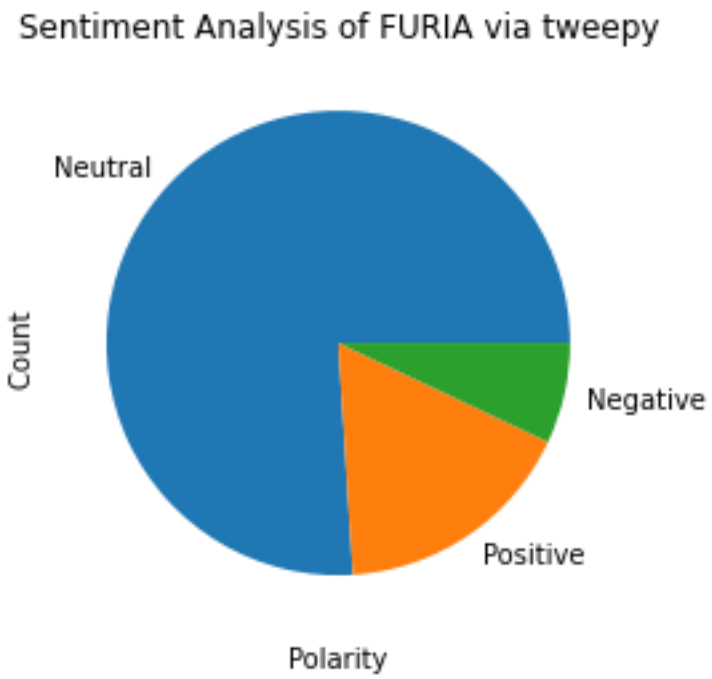
```
    plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("FURIA Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()
```

 # Only 3 neutral it is showing because it is overlapping



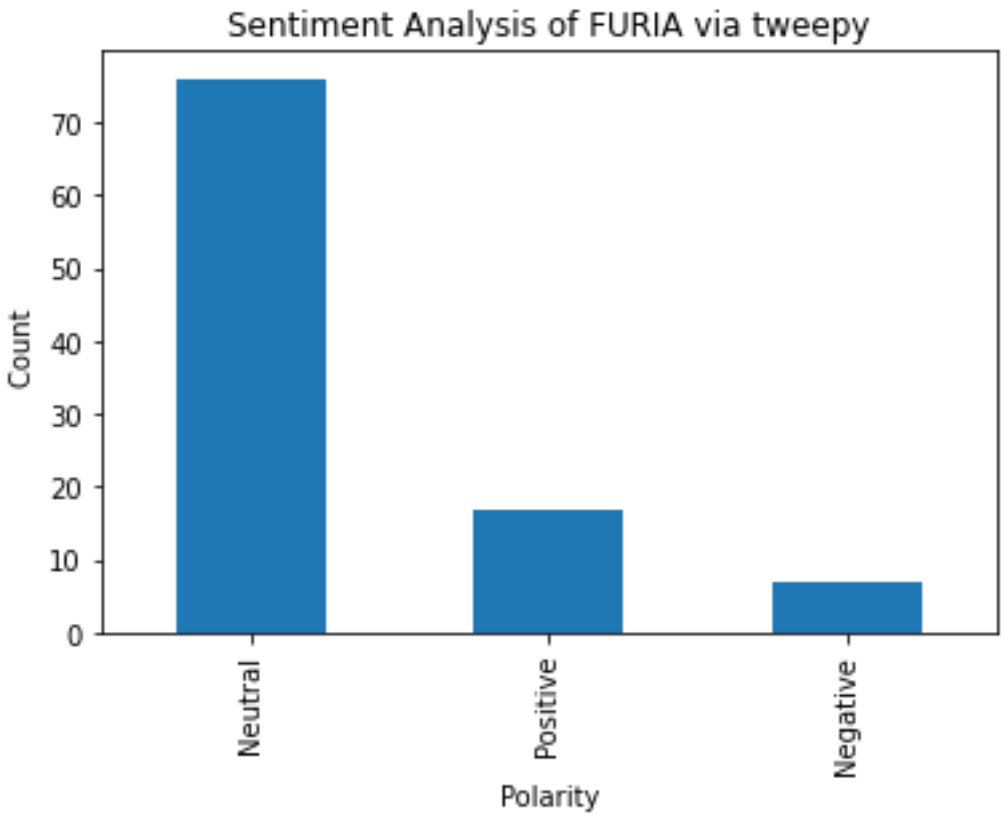
In [423]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of FURIA via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [424]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of FURIA via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [425]:

 # Lets get positive tweets only

```
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : **PREVISØES DA - PGL MAJOR ANTWERP 2022** 🏆

Por enquanto estamos assim 👀
🥇 : 3
🥈 :...

2) TOP 7 BR🌎

3) you're so good, _USA ❤️🤍

4) TAMO NO MUNDIAL DE APEX!

VAMOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO

FURIAApex on top! ☝UMBR

5) : **DREAM TEAM MAJOR ANTWERP v2**🏆

Com $20,00 como ficaria sua lineup do Major?! 👀

1. _____
2. _____
3....

6) : FALTAM APENAS 1 DIAS PARA O MAJOR! 🔥

📅 **09.05.22**

PGLMAJOR | DIADEFURIA

7) _USA: Looking good for tomorrow 🥇

FURIAApex lock in 1st Place in tonight's Winners Bracket with 45 kills, earning them 10 Finals…

8) _USA: We are absolutely FRYING. FURIAApex

9) : ggs and , really close and nice games today

We keep making history I guess hahahahaaha

Now it's…

10) : FALTAM APENAS 2 DIAS PARA O MAJOR! 🔥

📅 **09.05.22**

PGLMAJOR | DIADEFURIA

11) : SUPER FURIA

12) hoje as MENINAS SUPER FURIOSAS não conseguiram salvar o dia das super vilãs da . 🦹‍♀️ ✕

GGWP também para e , muito obrigado pelos games!

muita ALEGRIIIIIAAAAAAAAAAAA pra todo mundo ❤️🤍

VCTGameChangers

13) tenho MEDO do que as MENINAS SUPER FURIOSAS farão com a ...

VCTGameChangers

14) : E A SUPER FOFURIA TA SÓ ALEGRIAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
GG 2x1 contra Cruzeiro e agora é contra Liquid https:/…

15) ALEGRIIIIIAAAAAAAAAAAAAAAAAAAAAAAA ALEGRIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIAAAAAAAAAAAAAAAA

GGWP

VITÓRIA DAS MENINAS SUPER FURIOSAS

AUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU

VEM TRANQUILA

16) É DIA DE ALEGRIIIIIIIIIIIIA 🙏🙏

MENINAS SUPER FURIOSAS vs às 19h pelo VCTGameChangers

transmissões em:
🟢
🟢

17) : AS MENINAS SUPER FURIOSAS ENTRAM NOVAMENTE EM AÇÃO AS 19H!! FIQUEM LIGADOS E F
AZ O FFFFFF 🔥🔥🔥

Narração impecável do …

In [426]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
```

```
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) FURIACS Academy CAMPEÕES da LigaGamersClub Série B! 🏆🏆

Inferno 16x7
Vertigo 8x16
Overpass 16x9
2x1 na Grande Final!

🥇

A BASE VEM FORTE D E M A I S 🔥

DIADEFURIA

2) : [Série B]

ELE AMASSA!

📺

LigaGamersClub

3) _live: [FURIACS Academy]

BR FURIA Academy x Players BR
🗺️ Mapa: Inferno 🔥

1° half:
🛡️ 9x6 🧨
📈 Lead: FURIA

FURIA: CT 🛡️ → 🧨 T…

4) os prêmios são:

FURIA Jersey
Ursus Knife | Tiger Tooth FN
AWP | Neo-Noir FT
USP-S | Neo-Noir MW
M4A1-S | Player Two FT
Broken Fang Gloves | Needle Point FT
AK-47 | Nightwish FT*

5) Pra comemorar o início do Major, BORA DE SORTEIO com a !

pra participar, siga as instruções:

(+18)
BetwayAimChallenge

6) _live: [FURIARL]

RLCS Spring! ⚽ 🏎

BR FURIA vs AR
🏟 Match: Bo7

🌑

DIADEFURIA

7) : Could FURIA be dark horses at Antwerp?

In [427]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : 2x1 vs Players e somos campeões da Série B
GOFURIA

2) : 2x1 vs Players e somos campeões da Série B, um jogo muito difícil contra meu amigo
GOFURIA DIADEFURIA

3) : gg 2x1 vs Players e somos novamente campeões da Série B, obg a todos que torceram 💜

GOFURIA

4) : 2x1 vs Players e somos campeões da Serie B 🥳🏆

DIADEFURIA

5) : 2x1 Players.
Campeões da Série B, obg quem estava na torcida 💜 🥳

🏆🏆🏆

diadefuria

6) kauezão no RECURSO pra garantir o 10° ponto na Overpass

DIADEFURIA FURIACS LigaGamersClub

7) FALTA 1 MAPA PRA FURINHA!

bora de Vertigo!

8) o brabo ta?

9) : -
Coé, Manel é o novo streamer da !
Do vavá pro GTA é o Manelzin da FURIA, apenas….

10) é dia de GRANDE FINAL pra Furinha! 🔥

decisão da LigaGamersClub Série B valendo o título do campeonato logo mais, às 20:30h, ao vivo em:

⚫
⚫

DIADEFURIA FURIACS

11) _ se quiser pode marcar tbm ⍰

12) VAI BRASIL

13) 😍

14) BRUS ☝

15) _csgo pra cima Vinito 👊

16) : TAMO NO MUNDIAL DE APEX!

VAMOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO

FURIAApex…

17) 💪BR

18) : soloq rumo ao d1

19) _USA: DIADEFURIA DIADEFURIA DIADEFURIA DIADEFURIA DIADEFURIA DIADEFURIA…

20) _USA LET'S GOOOOOOOOOOOOOOOOOOO

21) : **PREVISOES DA - PGL MAJOR ANTWERP 2022** 🏆

BEEEM AMIGOS DO TWITTER, VOLTAMOS!
, e @…

22) 👊👊

23) paramos por aqui no 1° regional da RLCS Spring. 3° lugar pra FURIARL! 🥉

GGWP

24) passamos pelo 1° desafio!

4x2 vs The Club e agora é hora do rematch contra a !

🔘

25) É DIADEFURIA E DIA DE BUSCAR O 🏆

FURIARL no server pelas finais da RLCS Spring SAM Regional a partir das 17h, ao vivo em:
🔘

VAMO BR

26) : Algs highlights

27) Feliz cumple, Nozi ❤️🤍

28) Feliz Dia das Mães para todas as mamães 🤍🤍

29) pq a stream ta off

30) _USA 🤞🥇

31) pantera* 😠

32) domingão é dia hein

33) TAMO NA SEMIFINAL DA RLCS Spring!

vitória por 4x2 sobre a pra FURIARL seguir firme em busca do título regional! 💪

VAMO BR

DIADEFURIA

34) : 16x4 vs ac com isso estamos na final ggwp gofuria

35) : Jogamos hoje os Playoffs da Série B GC, ganhamos todas as partidas e com isso estamos na Gra nde Final que acontecerá segunda 21…

36) : gg ganhamos todos os jogos dos playoffs da Série B e estamos na GRANDE FINAL!!!

16x4 vs ALIENCLUB
16x6 vs
19x17 v…

37) 3x4 contra a KRU e agora é hora da Lower Bracket run pra FURIARL.

jogo contra a já já, às 19:30h, valendo vaga na semifinal da RLCS Spring!

DIADEFURIA

38) MATCH POINT PRA FURIARL!

VAMO

39) esqueça tudo, é DIADEFURIA na RLCS Spring! BR

FURIARL enfrenta a às 17:30h pela Semifinal Upper do Regional sulamericano!

transmissão: 🔘

40) : Metadinha pra usar com o brother🤝

41) pega eles dede <3

42) Faaaaala seus pouca mira, bora aprender a configurar esse monitor aí? 👍

A convidou a nossa ilústríssima pra fazer o unboxing e um reviewzão COMPLETO desse monstro qu e é o Hero Z 240Hz! 🖥️

43) _ conteúdo premium gau

44) Goedemorgen! (Bom dia, em holandês) NL

45) OBRIGADO POR ISSO

46) ALEGRIIIIIIIIIIAAAAAAAAA

47) KKKKKKKKKKKKKKKKKKKKKKKKK coe gata

48) : meu deus eu matei a bastardinháõhwn

49) artur2010 segue invicto no vct 👍

50) GGWP ❤️🤍

sucesso no restante do campeonato!

51) : Jogamos bem, só precisamos dar uma trabalhada na comunicação, teamplay, posicionamento, coordenação, utilitário, timing, c…

52) que leitura 👏👏

53) disband agora

54) gg vencemo

VCTGameChangers

55) IAI COACH CADE O TATICO

56) : a13gria 0

57) alastro

58) o 1° mapa foi QUASE

TREME NÃO

VCTGameChangers

59) desista imediatamente time liquido, voces nao irão vencer

60) : AGORA VAMOS TOMAR UM PAUUUUUUUUUUUUUUUUUUUU DA LIQUID MAS SEGUE NA ---->
ALEGRIAAAAAAAAAAAAAAAAAAAAAA
ENERGIA BOAAAAAAAAAA…

61)

62) : ALEGRIAAAAAAAAAAAAAAA ENERGIA BOAAAAAAAAAAAAAAAAAAAAAAAA

63) : GGWPPPPPPP CONTRA CRUZEIRO!!! RAZEZINHA TAVA DO MAL NA ICEBOXXX

AGORA VAMOS JOGAR CONTRA AS MELHORES DO VALORANT..... B…

64) pro player nao pode jogar com a mão gelada ne

65) a equipe ja esta concentrada, no foco e no aquecimento pro proximo mapa

VAMOS GALERA MENINAS

VCTGameChangers

66) ALEGRIIIIIIIIIA 🙏🙏

A ASCENT É DELAS TA? 13x9

VAMO PRA HAVEN AUUUUUUUUUUUUUUUUUUU

67) CLUTCH DA

ALEGRIIIIIIIIIIIAAAA 🙏

●

68) HOJE TEM CACHORRADA DA 🤱

AUUUUUUUUUUUUUUU

●

69) : HipHopGamer X TomCruise
TopGunMaverick TopGun This Movie Will Make You Cry That's All I Can Say!

Tom Crui…

70) 👀🔥

71) ●

72) ALEGRIIIIIIIIA

73) : ALEGRIIIIIIIIIA ESSE TIMÃO! ♡

PS: hoje as 19:00 temos joguinh…

74) _BR DIADEFURIA

75) _GG: FURIA’s consistency has prevailed despite their deep roster moves, which Miracle cites as n ecessary to move forward.

The Cha…

76) VAMO?

QUESTION #2: NATUSVINCERE

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [381]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [382]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [383]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [428]:

```
posts= api.user_timeline(screen_name='natusvincere',count=100,tweet_mode='extended')
```

In [429]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) RT @natusvincerelv: That was a close one. GGs, Munich Retired.

#CSGO #ESEA #navination https://t.co/LeBXMB6Uzf

2) RT @natusvincerelv: NAVI Javelins are playing bo1 against Munich Retired right now.

📺: https://t.co/AFUm0pfLBH
#CSGO #ESEA #navination htt…

3) Watch the new interview with NAVI Apex players @sxnya_a & @Wrugb.

📺: https://t.co/KyS8DNRe2J
#ApexLegends #navination https://t.co/jjgqO4vboB

4) RT @Socios_Gaming: 😍 Discover your @natusvincere personality with this quiz!

🖼 Unlock exclusive NAVI wallpapers for your phone and PC bas…

5) So who are we watching during this stage?
#PGLANTWERPMAJOR

6) From May 9th to May 22nd, while PGL Major Antwerp 2022 for CS:GO is going on, deposit money to get a free bet from @ggbet_en with code GONAVI. Pick your winner.
https://t.co/YNgDOpBOqL https://t.co/piqUW260wl

7) Let's sum up the second-place run of NAVI #Javelins at the EU Spring Cash Cup #4.

📰: https://t.co/v28QKmXS1q
#navination #CSGO https://t.co/LNsKBa0waP

8) RT @navijunior: Watch now as #NAVIJunior make their predictions for the upcoming #PGLMajor 2022 Challengers Stage!

📽: https://t.co/QqN7AX…

9) Congrats to the winners of our giveaway:
@scav1er, @jrulzgaming, @aCreeWarrior, @FailedFocus, @thfcbekots, @Riley2k_, @ctb298, @joeskluz, @BlueSigma4, @MonsieurXuxu
Check your DMs to find codes for our bundle. https://t.co/cnNVWLDUd0

10) RT @natusvincerelv: NAVI #Javelins team is off against @NGXcsgo in the EU Spring Cash Cup #4 Grand Finals.

📺: https://t.co/wd0NE4mRNs
#na…

In [430]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[430]:

	Tweets
0	RT @natusvincerelv: That was a close one. GGs,...
1	RT @natusvincerelv: NAVI Javelins are playing ...
2	Watch the new interview with NAVI Apex players...

	Tweets
3	RT @Socios_Gaming: 😍 Discover your @natusvince...
4	So who are we watching during this stage?\n#PG...
...	...
95	Playing against @HELLRAISERSgg within the #DPC...
96	RT @navijunior: A good start. GGs Kajaki Gamin...
97	RT @navijunior: Playing against Kajaki Gaming ...
98	Together with NAVI #BrawlStars we went through...
99	Read some additional info on the #DPC 2021/202...

100 rows × 1 columns

In [431]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [432]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [433]:

```
df
```

Out[433]:

	Tweets
0	: That was a close one. GGs, Munich Retired.\n...
1	: NAVI Javelins are playing bo1 against Munich...

	Tweets
2	Watch the new interview with NAVI Apex players...
3	_Gaming: 😍 Discover your personality with thi...
4	So who are we watching during this stage?\nPGL...
...	...
95	Playing against within the DPCEEU 2021-22 Tou...
96	: A good start. GGs Kajaki Gaming. ESEA CSGO n...
97	: Playing against Kajaki Gaming at the ESEA Se...
98	Together with NAVI BrawlStars we went through ...
99	Read some additional info on the DPC 2021/2022...

100 rows × 1 columns

In [434]:

```
analysis=TextBlob("Today was the best day ")
```

In [435]:

```
analysis.sentiment
```

Out[435]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [436]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
    return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
    return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [437]:

```
df
```

Out[437]:

	Tweets	Subjectivity	Polarity
0	: That was a close one. GGs, Munich Retired.\n...	0.000000	0.000000
1	: NAVI Javelins are playing bo1 against Munich...	0.535714	0.285714
2	Watch the new interview with NAVI Apex players...	0.454545	0.136364
3	_Gaming: 😍 Discover your personality with thi...	0.000000	0.000000
4	So who are we watching during this stage?\nPGL...	0.000000	0.000000
...	...	...	...
95	Playing against within the DPCEEU 2021-22 Tou...	0.000000	0.000000
96	: A good start. GGs Kajaki Gaming. ESEA CSGO n...	0.600000	0.700000
97	: Playing against Kajaki Gaming at the ESEA Se...	0.517857	0.142857
98	Together with NAVI BrawlStars we went through ...	0.900000	0.600000
99	Read some additional info on the DPC 2021/2022...	0.000000	0.000000

100 rows × 3 columns

In [ ]:

In [438]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
   if score<0:
      return 'Negative'
   elif score==0:
      return 'Neutral'
   else:
      return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[438]:

	Tweets	Subjectivity	Polarity	Analysis
0	: That was a close one. GGs, Munich Retired.\n...	0.000000	0.000000	Neutral
1	: NAVI Javelins are playing bo1 against Munich...	0.535714	0.285714	Positive
2	Watch the new interview with NAVI Apex players...	0.454545	0.136364	Positive
3	_Gaming: 😍 Discover your personality with thi...	0.000000	0.000000	Neutral
4	So who are we watching during this stage?\nPGL...	0.000000	0.000000	Neutral
...	...	...	...	...
95	Playing against within the DPCEEU 2021-22 Tou...	0.000000	0.000000	Neutral
96	: A good start. GGs Kajaki Gaming. ESEA CSGO n...	0.600000	0.700000	Positive
97	: Playing against Kajaki Gaming at the ESEA Se...	0.517857	0.142857	Positive
98	Together with NAVI BrawlStars we went through ...	0.900000	0.600000	Positive
99	Read some additional info on the DPC 2021/2022...	0.000000	0.000000	Neutral

100 rows × 4 columns

In [439]:

```
df[df['Analysis']=='Neutral']
```

Out[439]:

	Tweets	Subjectivity	Polarity	Analysis
0	: That was a close one. GGs, Munich Retired.\n...	0.000000	0.0	Neutral
3	_Gaming: 😍 Discover your personality with thi...	0.000000	0.0	Neutral
4	So who are we watching during this stage?\nPGL...	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
6	Let's sum up the second-place run of NAVI Jave...	0.000000	0.0	Neutral
7	: Watch now as NAVIJunior make their predictio...	0.000000	0.0	Neutral
8	Congrats to the winners of our giveaway: \n, ,...	0.000000	0.0	Neutral
10	_pudlis: We are playing finals in Cash Cup vs ...	0.000000	0.0	Neutral
16	: We've won all today matches in ESEA cash cup...	0.000000	0.0	Neutral
19	: GGs, Vipers.\nCSGO ESEA navination	0.000000	0.0	Neutral
20	: NAVI Javelins are off to play at the ESEA Ca...	0.000000	0.0	Neutral
22	In this video, NAVI Javelins made their predic...	0.000000	0.0	Neutral
23	: Cheer for NAVI Apex at the ALGS Last Chance ...	0.066667	0.0	Neutral
27	: As promised, giving away 20 monthly subs⚡\n...	0.000000	0.0	Neutral
28	: Watch 's POV from the match against Kajaki a...	0.500000	0.0	Neutral
29	Forbes featured in the “30 Under 30” Europe -...	0.000000	0.0	Neutral
32	Elon Musk: *bought twitter* \nMe after buying ...	0.000000	0.0	Neutral
38	: NAVI Javelins are playing against Luura with...	0.500000	0.0	Neutral
40	Here's the interview with _pirogov & abou...	0.000000	0.0	Neutral
44	: Playing against at the ESEA Season 41: Open...	0.500000	0.0	Neutral
46	: We lost the series with a 1:2 score. GG . DP...	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
47	: We're off against at the -Games PRO Series ...	0.000000	0.0	Neutral
51	: Lost the match. WP, equipa.\n\nCSGO navination	0.000000	0.0	Neutral
52	: Lost Ancient with a 16:7 score. The decider ...	0.000000	0.0	Neutral
53	: Won Nuke with a 16:14 score, up next: Ancien...	0.000000	0.0	Neutral
54	: Come along to watch NAVI Javelins competing ...	0.000000	0.0	Neutral
55	: WP, __Spirit. \n\nDOTA2 DPCEEU navination	0.000000	0.0	Neutral
57	: Shall we go again... Copenhagen? \n\nFall Fi...	1.000000	0.0	Neutral
58	: Heading off into the match against __Spirit....	0.000000	0.0	Neutral
59	Watch the interview with NAVI Javelins player ...	0.000000	0.0	Neutral
60	Playing against __Spirit in the DPCEEU 2021/22...	0.000000	0.0	Neutral
61	Cheer for NAVI Javelins at the ESLImpact Leagu...	0.000000	0.0	Neutral
63	: We suffer a 2:3 defeat. GGs . HCSKansasCity2...	0.000000	0.0	Neutral
68	: From today we are going to represent in the...	0.458333	0.0	Neutral
71	_pudlis \n \n \n \n	0.000000	0.0	Neutral
74	: It's a 0:3. GGs . HaloInfinite HCSKansasCity...	0.000000	0.0	Neutral
76	: Starting the day with a 0:3 defeat. GGs . HC...	0.100000	0.0	Neutral
78	Cheer for NAVI in the HCSKansasCity2022 Pool P...	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
80	: 1:2 defeat for us. GGs BetBoom Team. DPC Dot...	0.000000	0.0	Neutral
86	Later today, we'll play vs BetBoom Team in the...	0.000000	0.0	Neutral
88	Anyone who plays like a pro helps like a pro. ...	0.500000	0.0	Neutral
90	Медиа-команда NAVI сейчас работает над спецпро...	0.000000	0.0	Neutral
91	Медіа-команда NAVI зараз працює над спецпроект...	0.000000	0.0	Neutral
95	Playing against within the DPCEEU 2021-22 Tou...	0.000000	0.0	Neutral
99	Read some additional info on the DPC 2021/2022...	0.000000	0.0	Neutral

In [440]:

```
df['Analysis'].value_counts()
```

Out[440]:

```
Neutral     44
Positive    44
Negative    12
Name: Analysis, dtype: int64
```

In [441]:

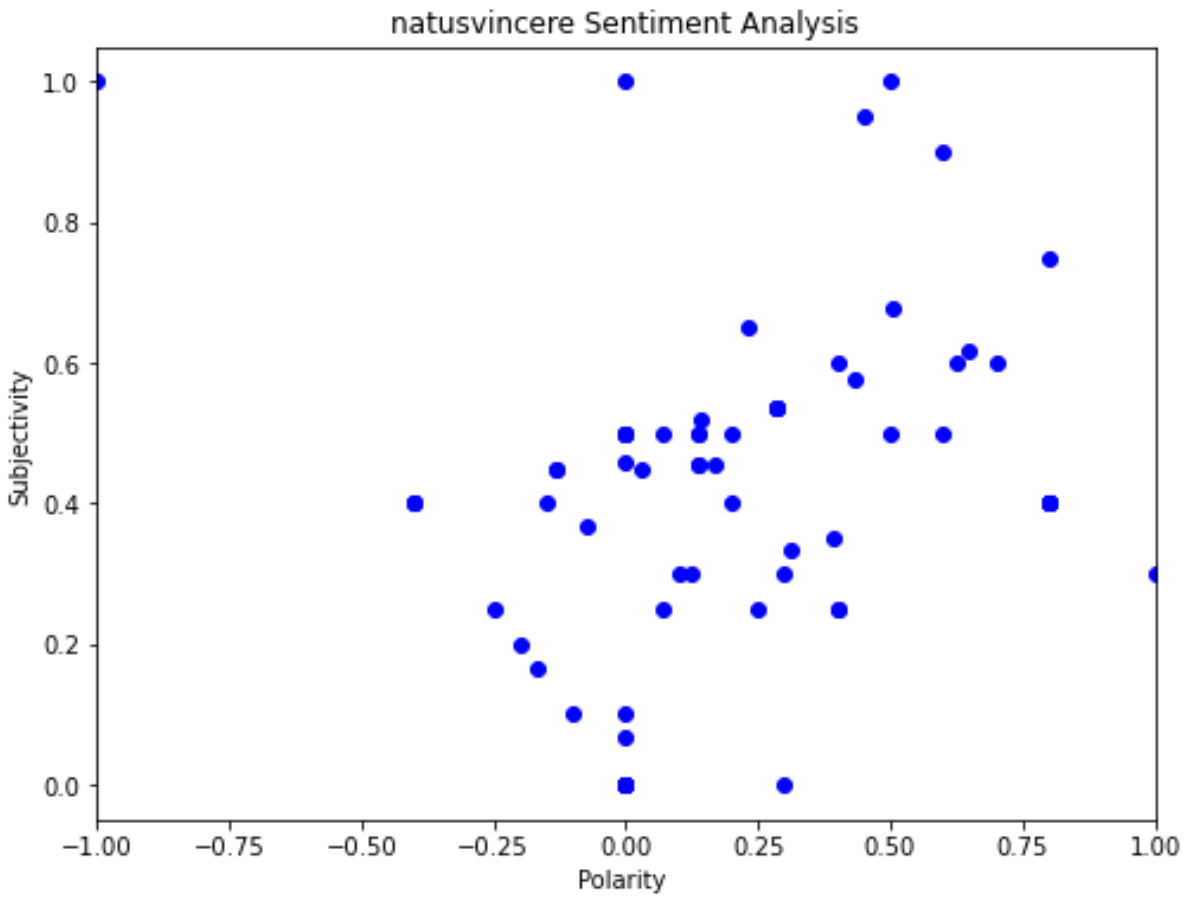
```
df.shape
```

Out[441]:

```
(100, 4)
```

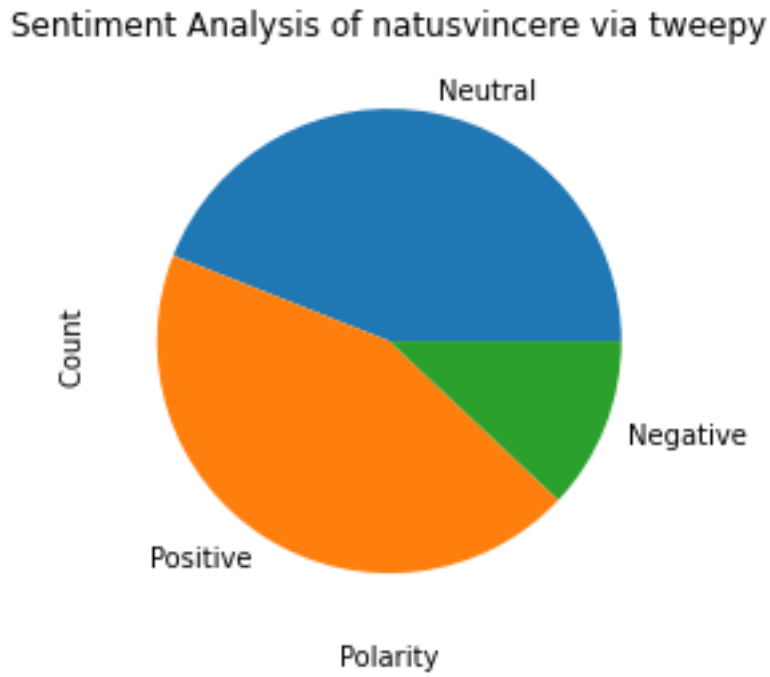
In [443]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("natusvincere Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



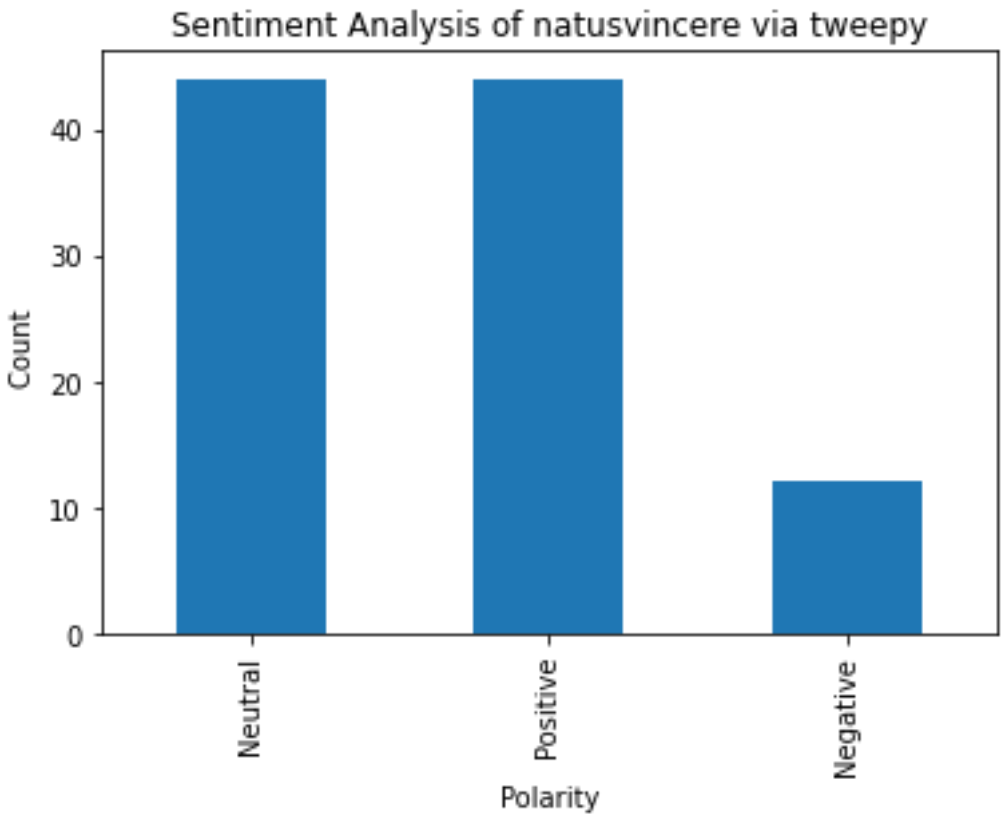
In [444]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of natusvincere via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [445]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of natusvincere via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [446]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : NAVI Javelins are playing bo1 against Munich Retired right now.

📺:
CSGO ESEA navination htt…

2) Watch the new interview with NAVI Apex players _a & .

🎥:
ApexLegends navination

3) From May 9th to May 22nd, while PGL Major Antwerp 2022 for CS:GO is going on, deposit money to get a free bet from _en with code GONAVI. Pick your winner.

4) : NAVI Javelins team is off against in the EU Spring Cash Cup 4 Grand Finals.

📺:
na…

5) : NAVI Javelins team is heading into a bo3 vs New School Crew at the EU Spring Cash Cup 4.

📺:
…

6) : Who wants our new Bundle?
Take part in a giveaway and win 1 of 10 codes for a full NAVI Bundle from the second seas…

7) We gathered with NAVI Javelins team to run a blitz quiz and to know them better.

🎥:
navination CSGO

8) : NAVI PUBG are playing at the PCS6 Week 2 right now.

📺:
📰:
navinati…

9) : Another win for NAVI Javelins. GGs, Clown5.

CSGO ESEA navination

10) : Today's second match for NAVI Javelins is already LIVE. Tune in to cheer for them.

📺:
CSGO E…

11) : Week 1 of the PCS6 Europe Grand Finals gave us some huge plays and we're still not over 's 1v3 clutch…

12) : Secure a 16:2 win. GG SIT eSport. ESEA CSGO navination

13) Learn about our new website on our new website. And there’s no better place to discuss our ne w website other than our new forum.

14) The new team stickers for PGLMajor Antwerp are out. Flex those you have!

📰:
navination CSGO

15) Watch the first interview with NAVI Javelins coach — . We discussed his life before esports &amp ; Coach Routine!

🎥:
navination CSGO

16) We collected the best moments by NAVI R6S at the R6EUL 2022 Stage 1.

🎥:
navination

17) Who wants our new Bundle?
Take part in a giveaway and win 1 of 10 codes for a full NAVI Bundle from the second season.
Like and this post to enter. We'll announce the winners this Sunday. Good luck!

18) : Another confident win at the ESEA Season 41: Open Division. GGs G A P E D. NAVIJunior navinat ion CSGO

19) : The bo1 vs G A P E D at the ESEA Season 41: Open Division — Europe is live.

📺:
NAVIJunior navi…

20) : That's a win. GGs, Luura.
CSGO navination

21) : Announcing NAVINATION Pro Qualifier!

Join the ranks of top European players from FPL-C & FPL by playing in a high-stak…

22) : It's an 8:6 win for us. GG . R6EUL R6S navination

23) : Let's go. Playing against right now.

📺:
R6EUL R6S navination

24) : Confident win. GG . NAVIJunior navination CSGO

25) : We secure the map with a 16:7 score. GG . CSGO NAVIJunior navination

26) : Starting the series with a win. DPC navination Dota2

27) It took 1 extra day, but now we're ready to name the winners of our giveaway:
, _imba_ua, , , , , , , ,
Congratz!

28) : We've lost 1-2 vs equipa really well played girls! Even though we lost today I am very happy of o ur ESLIMPACT results now…

29) It always feels great to play there

30) Busy day

31) : We managed to comeback & win game 3. GGs . DPC Dota2 navination

32) : Starting the series with a win. DPC navination Dota2

33) NAVI esports club extends its boundaries, and it’s time to welcome our new CS:GO roster — NAV
I Javelins!

Witajcie Panie!

📰:
navination CSGO

34) : To win 1 of 10 our Halo bundle u need:
Follow
this post
We'll announce the winners this Sunday https:/…

35) : Here we go. Playing against at the HCSKansasCity2022 right now.

📺:
navination Ha…

36) _: We moved to ʀsSerbia! Our team is already together in Belgrade. Computers are set, everythi
ng is ready. I want to express my d…

37) : We're live against BetBoom Team, get into the stream.

📺:
Match odds:

38) : again rockets in Kyiv, 5 minutes from where i live, i hope people didn't get hurt

39) NAVI HaloInfinite squad delivers some useful tips & tricks on how to play the Bazaar map.

🎥:
navination

40) To win 1 of 10 our Halo bundle u need:
Follow
this post
We'll announce the winners this Sunday

41) : That's a win for us. GGs, .

DOTA2 DPCEEU navination

42) : A good start. GGs Kajaki Gaming. ESEA CSGO navination

43) : Playing against Kajaki Gaming at the ESEA Season 41: Open Division — Europe right now.

📺:
navin…

44) Together with NAVI BrawlStars we went through a list of popular mobile games to play as a way t o take the mind off things.

🎥:
navination

In [447]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Watch an interview with NAVI RocketLeague team on the RLCS Regional Event 1 Closed Qual resul ts.

📺:
navination

2) Watch the voice comms video with the PCS6 Week 1 highlights, including the insane 1v3 by .

🎥:
PUBG navination

3) : Heading into a game against at the HCSKansasCity2022.

📺:
HaloInfinite navinati…

4) : The second game goes to , 1:1. DPC Dota2 navination

5) : The drafting stage of game 1 against is live.

📺:
Match odds:

6) In about half an hour, NAVI Dota2 team will play against .

⏰: 16:00 CEST
📰:
Match odds:
DPC navination

7) : We continue our HCSKansasCity2022 run with a game against .

📺:
navination HaloInfini…

8) : Now it's a tie, waiting for game 3. DPC navination Dota2

9) : We take game 1. Stay near. DPC Dota2 navination

10) Here is an interview with _MMA, we've discussed what's happened to him & the team in th
e past two months.

🎥:
navination BrawlStars

11) : Won the first game.

📺:
DOTA2 DPCEEU navination

12) : Game 1 against is already LIVE, tune in.

📺:
Match odds:

In [448]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : That was a close one. GGs, Munich Retired.

CSGO ESEA navination

2) _Gaming: 😍 Discover your personality with this quiz!

🖼 Unlock exclusive NAVI wallpapers for your phone and PC bas…

3) So who are we watching during this stage?
PGLANTWERPMAJOR

4) Let's sum up the second-place run of NAVI Javelins at the EU Spring Cash Cup 4.

📰:
navination CSGO

5) : Watch now as NAVIJunior make their predictions for the upcoming PGLMajor 2022 Challengers S tage!

🎥:

6) Congrats to the winners of our giveaway:
, , , , , _, , , ,
Check your DMs to find codes for our bundle.

7) _pudlis: We are playing finals in Cash Cup vs !! Come and support navination

Stream-> https…

8) : We've won all today matches in ESEA cash cup. See you tomorrow in semis 😊 navination

9) : GGs, Vipers.
CSGO ESEA navination

10) : NAVI Javelins are off to play at the ESEA Cash Cup Europe 2022.

📺:
CSGO navination https:/…

11) In this video, NAVI Javelins made their predictions on the PGLMajor 2022 Challengers Stage.

🎥:
CSGO navination

12) : Cheer for NAVI Apex at the ALGS Last Chance Quali 2 - EMEA.

📺:
📰:
A…

13) : As promised, giving away 20 monthly subs⚡

Follow + to enter ✅

Winners picked in 24h ⏳

Pro Qualifier 1 happening…

14) : Watch 's POV from the match against Kajaki at the ESEA Open Season 41.

🎥:
navinati…

15) Forbes featured in the “30 Under 30” Europe - Sports & Games category.

📰:

navination

16) Elon Musk: *bought twitter*
Me after buying stickers and putting them wherever I can:

17) : NAVI Javelins are playing against Luura within the ESEA Season 41: Open Division — Europe.

📺:

18) Here's the interview with _pirogov & about PCS6 Week 1 results.

🎥:
PUBG navination

19) : Playing against at the ESEA Season 41: Open Division — Europe.

📺:
NAVIJunior na…

20) : We lost the series with a 1:2 score. GG . DPC Dota2 navination

21) : We're off against at the -Games PRO Series 2022.

📺:
NAVIJunior navination CSG…

22) : Lost the match. WP, equipa.

CSGO navination

23) : Lost Ancient with a 16:7 score. The decider map is Inferno.

📺:
📺:
CSG…

24) : Won Nuke with a 16:14 score, up next: Ancient. Tune in to cheer for NAVI Javelins.

📺:
📺: https…

25) : Come along to watch NAVI Javelins competing at the ESLImpact.

📺:
📺:
…

26) : WP, __Spirit.

DOTA2 DPCEEU navination

27) : Shall we go again... Copenhagen?

Fall Final
Royal Arena
November 2022

28) : Heading off into the match against __Spirit.

:
Match odds:
DOTA…

29) Watch the interview with NAVI Javelins player _pudlis.

:
CSGO navination

30) Playing against __Spirit in the DPCEEU 2021/22 Tour 2 Playoffs today.

: 16:00 CEST
:
Match odds:
DOTA2 DPCEEU navination

31) Cheer for NAVI Javelins at the ESLImpact League today.

: 19:30 CET
:
CSGO navination

32) : We suffer a 2:3 defeat. GGs . HCSKansasCity2022 navination HaloInfinite

33) : From today we are going to represent in the Female CSGO Scene. I am totally lost for words.. T his is a dream…

34) _pudlis

35) : It's a 0:3. GGs . HaloInfinite HCSKansasCity2022 navination

36) : Starting the day with a 0:3 defeat. GGs . HCSKansasCity2022 HaloInfinite navination

37) Cheer for NAVI in the HCSKansasCity2022 Pool Play Stage.

:
HaloInfinite navination

38) : 1:2 defeat for us. GGs BetBoom Team. DPC Dota2 navination

39) Later today, we'll play vs BetBoom Team in the DPC EEU 2021/2022 Tour 2 playoffs.

: 19:00 CEST
:
Match odds:
navination Dota2

40) Anyone who plays like a pro helps like a pro. Together with you have opportunity to help people in Ukraine who are suffering from war. Your donation will support Ukrainians in need, with a focus o n the most vulnerable, including children:

41) Медиа-команда NAVI сейчас работает над спецпроектом о болельщиках клуба, который жи вут в Европе или были вынуждены туда поехать из-за войны. Если это о вас или о ваших друзья х, заполняйте форму, чтобы принять участие в нашем видеопроекте:

42) Медіа-команда NAVI зараз працює над спецпроектом про вболівальників клубу, які живуть в Європі або були вимушені туди поїхати через війну. Якщо це ви або ваші друзі, то заповнюйте форму по посиланню, щоб взяти участь у нашому відеопроекті:

43) Playing against within the DPCEEU 2021-22 Tour 2 today.

: 13:05 CET
:
Match odds:
DOTA2 navination

44) Read some additional info on the DPC 2021/2022 Season EEU in the coverage.

:
navination Dota2

QUESTION #2: ASTRALISCS

Loading [MathJax]/extensions/Safe.js

In [380]:

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [381]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [382]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [383]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [449]:

```
posts= api.user_timeline(screen_name='AstralisCS',count=100,tweet_mode='extended')
```

In [450]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) .@farligcs almost with the hattrick.

#PGLMajor https://t.co/QZYrlRZvfL

2) @YashPokarna it's in the admin job description to jinx

3) not bad https://t.co/Q6JbqZBlea

4) @farligcs https://t.co/nc9ZyxEahf

5) Farlig, more like Farmlig.

@farligcs is next up grabbing cash out of the ATM on Overpass after the MP9 round.

6) 📺 https://t.co/gJ0R95hRMT

7) Today's mission: Conquer territory on 🗺 Overpass.

GLHF @mibr

#ToTheStars | #PGLMajor

8) VAMOS. BR

#ToTheStars | #PGLMajor https://t.co/rW3dSvaBTk

9) It's cold on Planet Challenger. Therefore we are awarding a random crew member with a Fleece Ja cket.

Congratulations @LucasLC420!

We will pick more loot-winners from crew members with Astralis Mothership accounts. All you need here: https://t.co/k6dIjIjr7g

#ToTheStars https://t.co/UNbtLo9JdY

10) Tip: Tagging the silo on B-site Nuke with an Astralis grafitti before planting has a 100% chance of confusing your enemy. https://t.co/n60Bg84ZWT

In [451]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[451]:

	Tweets
0	.@farligcs almost with the hattrick. \n\n#PGLM...
1	@YashPokarna it's in the admin job description...
2	not bad https://t.co/Q6JbqZBlea
3	@farligcs https://t.co/nc9ZyxEahf
4	Farlig, more like Farmlig. \n\n@farligcs is ne...
...	...

	Tweets
95	(ง ๏̯_๏)ง IHC ESPORTS https://t.co/pFHRrAuBDs
96	@BLASTPremier ⍰
97	@Astralisgg @tambourinesam Welcome, @tambourin...
98	RT @gla1ve_csgo: Final prep for the major this...
99	Major in Six Days. 😳

100 rows × 1 columns

In [452]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#","",text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [453]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [454]:

```
df
```

Out[454]:

	Tweets
0	. almost with the hattrick. \n\nPGLMajor
1	it's in the admin job description to jinx
2	not bad
3	
4	Farlig, more like Farmlig. \n\n is next up gra...

	Tweets
...	...
95	(ง ๑_๑)ง IHC ESPORTS
96	⍰
97	Welcome, .\n\nMay I suggest the following ga...
98	_csgo: Final prep for the major this week, and...
99	Major in Six Days. 😳

100 rows × 1 columns

In [455]:

```
analysis=TextBlob("Today was the best day ")
```

In [456]:

```
analysis.sentiment
```

Out[456]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [457]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [458]:

```
df
```

Out[458]:

	Tweets	Subjectivity	Polarity
0	. almost with the hattrick. \n\nPGLMajor	0.000000	0.0000

	Tweets	Subjectivity	Polarity
1	it's in the admin job description to jinx	0.000000	0.0000
2	not bad	0.666667	0.3500
3		0.000000	0.0000
4	Farlig, more like Farmlig. \n\n is next up gra...	0.300000	0.1000
...	...	...	...
95	(ง ๏_๏)ง IHC ESPORTS	0.000000	0.0000
96	⍰	0.000000	0.0000
97	Welcome, .\n\nMay I suggest the following ga...	0.606667	0.4500
98	_csgo: Final prep for the major this week, and...	0.833333	-0.3125
99	Major in Six Days. 😳	0.500000	0.0625

100 rows × 3 columns

In [ ]:

In [459]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
   if score<0:
      return 'Negative'
   elif score==0:
      return 'Neutral'
   else:
      return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[459]:

	Tweets	Subjectivity	Polarity	Analysis
0	. almost with the hattrick. \n\nPGLMajor	0.000000	0.0000	Neutral
1	it's in the admin job description to jinx	0.000000	0.0000	Neutral
2	not bad	0.666667	0.3500	Positive
3		0.000000	0.0000	Neutral
4	Farlig, more like Farmlig. \n\n is next up gra...	0.300000	0.1000	Positive
...	...	...	...	...
95	(ง •̀_•́)ง IHC ESPORTS	0.000000	0.0000	Neutral
96	⍰	0.000000	0.0000	Neutral
97	Welcome, .\n\nMay I suggest the following ga...	0.606667	0.4500	Positive
98	_csgo: Final prep for the major this week, and...	0.833333	-0.3125	Negative
99	Major in Six Days. 😳	0.500000	0.0625	Positive

100 rows × 4 columns

In [460]:

```
df[df['Analysis']=='Neutral']
```

Out[460]:

	Tweets	Subjectivity	Polarity	Analysis
0	. almost with the hattrick. \n\nPGLMajor	0.0	0.0	Neutral
1	it's in the admin job description to jinx	0.0	0.0	Neutral
3		0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
5	📺	0.0	0.0	Neutral
6	Today's mission: Conquer territory on 🎈 Overpa...	0.0	0.0	Neutral
7	VAMOS. BR\n\nToTheStars | PGLMajor	0.0	0.0	Neutral
10	You never know with the rolling schedule!	0.0	0.0	Neutral
14	This man refuses to give up! \n\nPGLMajor	0.0	0.0	Neutral
15		0.0	0.0	Neutral
16	Truce ?\n\nPGLMajor	0.0	0.0	Neutral
18	Ladies and gentlemen... _csgo got him!\n\nPGLM...	0.0	0.0	Neutral
19	Back to work it is. PGL Tech support is on it....	0.0	0.0	Neutral
20	We request all cadets relocate to 🌴 Mirage for...	0.0	0.0	Neutral
21	A sneak-peek at the bridge of Mothership Astra...	0.0	0.0	Neutral
31	We go 1-0 at the PGLMajor as we beat IHC on Nu...	0.0	0.0	Neutral
34	He's on it dw.\n\nPGLMajor	0.0	0.0	Neutral
35	We're 14-2 up as we speak AstralisFamily.	0.0	0.0	Neutral
38	PITSTOP done.\n\nPGLMajor	0.0	0.0	Neutral
39	_CS 🤟	0.0	0.0	Neutral
41	. didn't even give them a chance. 😷\n\nPGLMajor	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
42	📎 :	0.0	0.0	Neutral
45	⍰	0.0	0.0	Neutral
46	Are you a crew member? Sign up for our email t...	0.0	0.0	Neutral
47	Incoming Transmission from Captain . \n\nToThe...	0.0	0.0	Neutral
48	_ At ease. ⍰	0.0	0.0	Neutral
49	: ToTheStars les gooo astralis	0.0	0.0	Neutral
51	😳	0.0	0.0	Neutral
52	Crew! We have encountered hostiles in this new...	0.0	0.0	Neutral
55	IT WORKS	0.0	0.0	Neutral
56	LET'S GO	0.0	0.0	Neutral
57	w ELCOME ABOARD!	0.0	0.0	Neutral
62	Greetings AstralisFamily.\n\nWe have arrived a...	0.0	0.0	Neutral
63	Boss fight. \n\nPGLMajor	0.0	0.0	Neutral
66	Protect the StratPack. 😤	0.0	0.0	Neutral
69	Antwerp here we come. 🚤	0.0	0.0	Neutral
72		0.0	0.0	Neutral
73	🥰	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
74	_Calico I got EF too. Turkish hype train.	0.0	0.0	Neutral
75	damn	0.0	0.0	Neutral
76	💪	0.0	0.0	Neutral
78	Let's see your pick 'ems. 👇	0.0	0.0	Neutral
79	Let's also qualify. 😀	0.0	0.0	Neutral
81	__ Approved. 👌	0.0	0.0	Neutral
82	Almost. 😀	0.0	0.0	Neutral
84	Admin got a hattrick. What about you?👀\nAstral...	0.0	0.0	Neutral
85	yessssssssss	0.0	0.0	Neutral
87	k0nfig but the 0 is donut on Ancient	0.0	0.0	Neutral
88	╭∩ ◕_◕╮∩ give	0.0	0.0	Neutral
89	in-game stickers????????????	0.0	0.0	Neutral
90	_ Don't listen to that guy. We play on May 9...	0.0	0.0	Neutral
91	Thank mr csgo	0.0	0.0	Neutral
95	(͡° ͜ʖ ͡°)ง IHC ESPORTS	0.0	0.0	Neutral
96	⍰	0.0	0.0	Neutral

In [461]:

```
df['Analysis'].value_counts()
```

Out[461]:

```
Neutral     53
Positive    39
Negative     8
Name: Analysis, dtype: int64
```

In [462]:

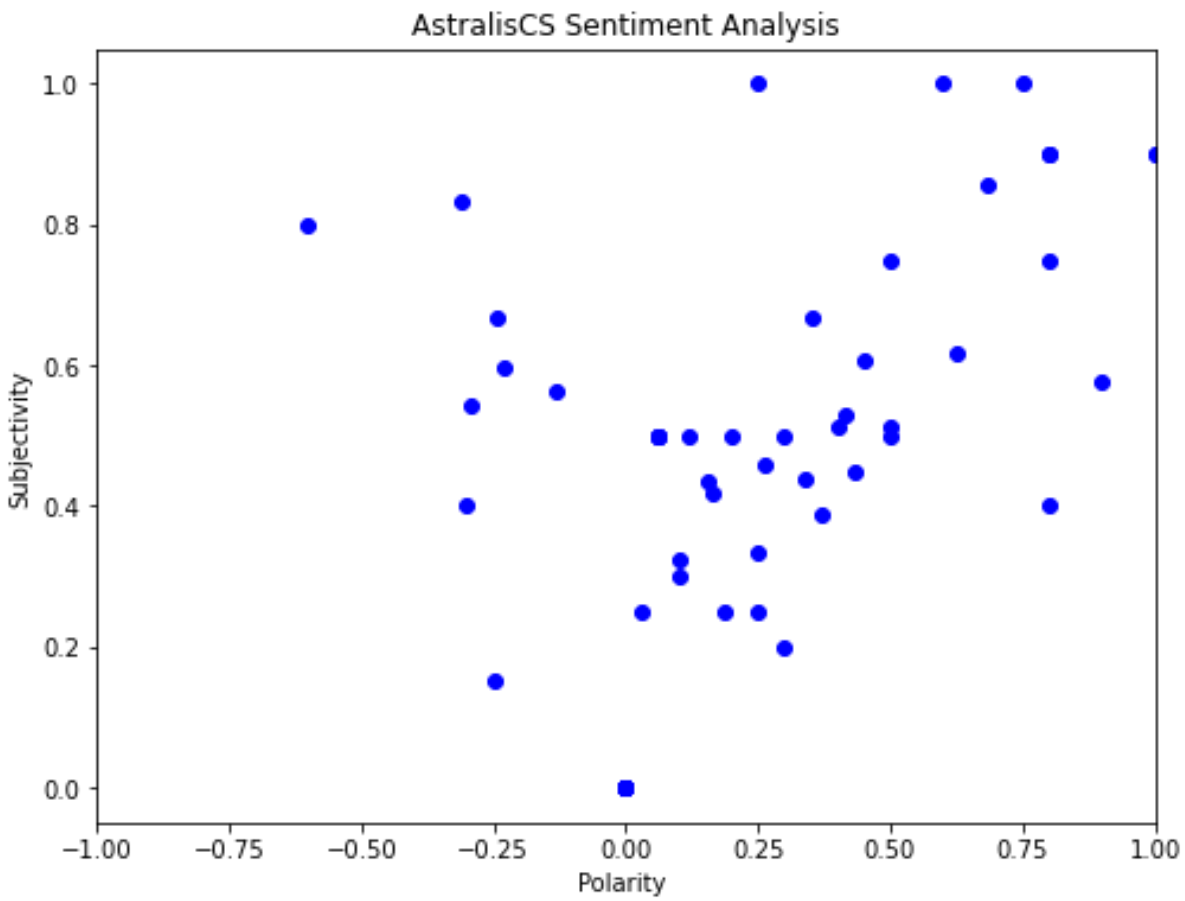
```
df.shape
```

Out[462]:

```
(100, 4)
```

In [463]:

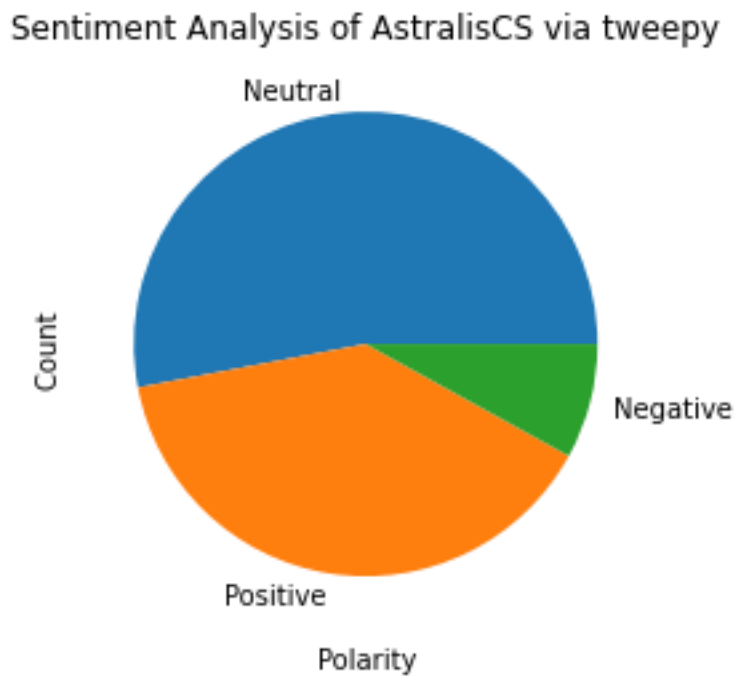
```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("AstralisCS Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



In [464]:

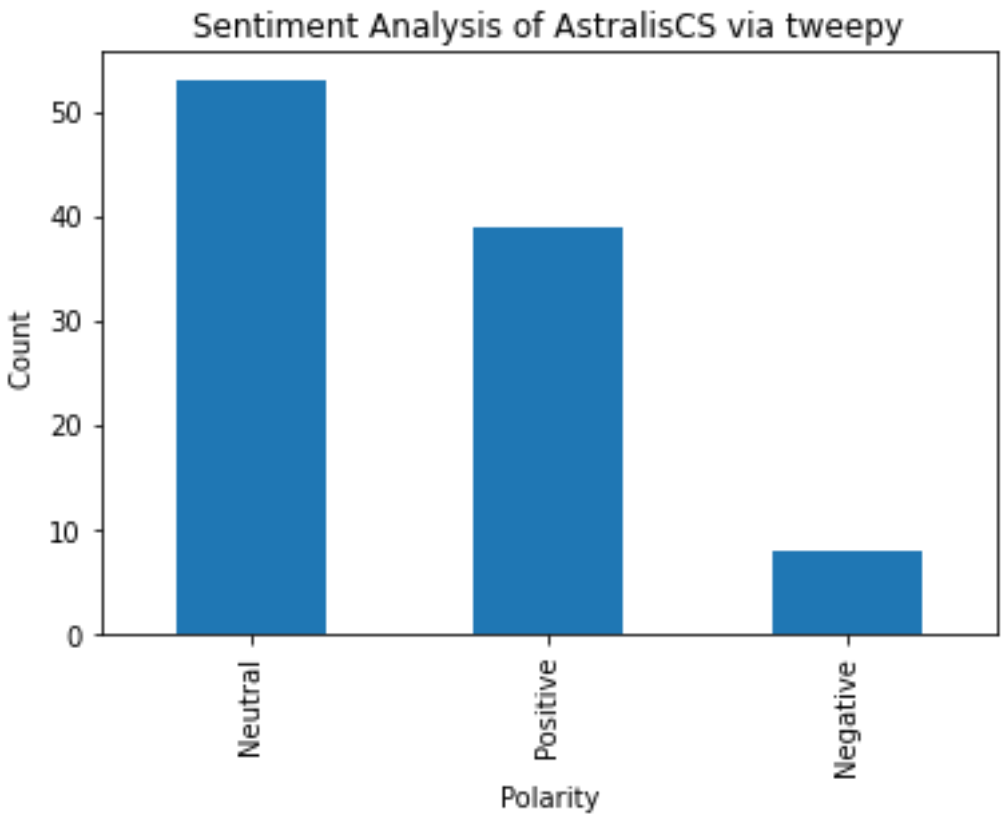
```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of AstralisCS via tweepy")
plt.xlabel('Polarity')
```

```
plt.ylabel('Count ')
plt.show()
```



In [465]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of AstralisCS via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [466]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) not bad

2) Farlig, more like Farmlig.

is next up grabbing cash out of the ATM on Overpass after the MP9 round.

3) Fresh air before .

AstralisFamily | PGLMajor

4) It was not for a lack of trying. With the highest ADR on the server, is today's MVP.

Create your own card at _esports

5) This is intense!

PGLMajor

6) It's even more lovely than the first one. 😭

7) : hey, , saw you asked for a special Cheery Cat :D

8) We'll deliver his first Major death!

9) We are seeing some familiar faces in this next encounter...

10) Our first encounter on Planet Challenger was a success but we are not off this rock just yet.

We want to thank the crew for a smooth operation so far. 🤗🤗

ToTheStars | PGLMajor

11) : 20:45 CET against - Gonna be a fun one to play ♡😂

12) : Win vs IHC and we are 1-0! Great start at the PGLMajor ToTheStars

13) _csgo: Won against IHC, great start here at the major. Playing one more bo1 later

gg wp 🔥🔥🔥

14) We back with the Major any% speedrun.

15) Are we winning son?

16) . was this your nade practice before the Major cuz they are on point. 👀

PGLMajor

17) ICYMI: This is how many kills got wielding the TEC-9 last round.

PGLMajor

18) The Mothership Astralis has landed in Antwerp to take on IHC.

We request all cadets to make their way to ☢ Nuke for their first mission.

PGLMajor | ToTheStars | AstralisFamily

19) We will be sharing the loot we find on our journey with official crew members of the Mothership
.

Customize your profile and have a chance to win drops throughout the Major:

ToTheStars

20) : New fit, AstralisFamily!

Can't really see out of the helmet just yet, but It'll be fine!

Gear up!

ASTWIN

21) Welcome aboard, cadet!

22) You look great, cadet. 🤝

23) Same! Welcome aboard!

24) Welcome aboard, sir. 🤝

25) Welcome aboard!

26) is first man aboard. Welcome cadet!

27) _csgo: Good morning ♡

MAJOR DAYYYYYYYYY 🔥🔥🔥

1st game against IHC at 14.30 ⚔

28) The bird says gm from Antwerp. Rise and shine, we have a Major to play. ☼

PGLMajor

29) MAJOR TOMORROW. 🚀

30) Are you a RISING STAR?
Prove it on the Astralis Rising Star Ladder and win shiny loot. 🏆

31) : We didn't do our homework this time, and when you make a mistake, you correct it.

More:

32) You can still WIN this entire setup, courtesy of . ✨

All you have to do is enter:

1UPYOURSETUP

33) Welcome. 🐿️🐿️🐿️

34) Nice!

35) : Bloodsport!
Been thinking about changing it to a redline, for red stickers look better on t…

36) We are back in the game! Literally!

+ stickers for the first time in history. ♥

AstralisFamily | ToTheStars

37) Mark your calendars and set a timer, 'cause tomorrow Clutchminister will be ready to answer all your questions in our Discord.

Join here:

38) Welcome, .

May I suggest the following gamer nicks:

Samw1Ze
samthrax
KaSam

First three are free. You're welcome.

39) Major in Six Days. 😳

In [467]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) It's cold on Planet Challenger. Therefore we are awarding a random crew member with a Fleece Ja cket.

Congratulations !

We will pick more loot-winners from crew members with Astralis Mothership accounts. All you need here:

ToTheStars

2) Tip: Tagging the silo on B-site Nuke with an Astralis grafitti before planting has a 100% chance of c onfusing your enemy.

3) Mission failed... We will get them next time.

GG WP

Time to reset, we have another mission tomorrow.

PGLMajor | ToTheStars

4) The Minister himself claims the MVP of our first mission at the Major.

+12 K-D ratio.
114 ADR.
1 sick performance.

Create a card just like this one, at _esports

PGLMajor

5) Let's just say we came in rollin' so hard the stream couldn't handle it. 😎

6) How are you gonna do 9z dirty like that

7) : Yooooo this is so fucking sick, first time having a sticker 😍🥴🥺

8) _csgo: Final prep for the major this week, and then we travel to Antwerp on saturday. Its going to be insane, cant wait for the m…

In [468]:

```
# Lets get neutral tweets only
i=1
```

```
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) . almost with the hattrick.

PGLMajor

2) it's in the admin job description to jinx

3)

4) 📺

5) Today's mission: Conquer territory on 🗞 Overpass.

GLHF

ToTheStars | PGLMajor

6) VAMOS. BR

ToTheStars | PGLMajor

7) You never know with the rolling schedule!

8) This man refuses to give up!

PGLMajor

9)

10) Truce ?

PGLMajor

11) Ladies and gentlemen... _csgo got him!

PGLMajor

12) Back to work it is. PGL Tech support is on it.

PGLMajor

13) We request all cadets relocate to 🌴 Mirage for the second mission of the day.

awaits.

ToTheStars | PGLMajor

14) A sneak-peek at the bridge of Mothership Astralis. A state-of-the-art spaceship with and cockpit interiors. 🚀

ToTheStars | PGLMajor

15) We go 1-0 at the PGLMajor as we beat IHC on Nuke.

Playing again later today.

AstralisFamily | ToTheStars

16) He's on it dw.

PGLMajor

17) We're 14-2 up as we speak AstralisFamily.

18) PITSTOP done.

PGLMajor

19) _CS 🤟

20) . didn't even give them a chance. 🤐

PGLMajor

21) 🥏 :

22) ⍰

23) Are you a crew member? Sign up for our email transmissions and receive exclusive Captain's Not es and Mission Logs.

24) Incoming Transmission from Captain .

ToTheStars | PGLMajor

25) _ At ease. ⍰

26) : ToTheStars les gooo astralis

27) 😵

28) Crew! We have encountered hostiles in this newfound World. Touchdown in approx. T-minus 2 h ours.

All crew members on deck!

ToTheStars

29) IT WORKS

30) LET'S GO

31) w ELCOME ABOARD!

32) Greetings AstralisFamily.

We have arrived at Planet Challenger and we need everyone to report to the bridge.

Customize your account to join us on our journey ToTheStars:

Rewards will come to crew members of Mothership Astralis. 🚀

33) Boss fight.

PGLMajor

34) Protect the StratPack. 🎡

35) Antwerp here we come. 🚢

36)

37) 😍

38) _Calico I got EF too. Turkish hype train.

39) damn

40) 💪

41) Let's see your pick 'ems. 👇

42) Let's also qualify. 😬

43) __ Approved. 👌

44) Almost. 😬

45) Admin got a hattrick. What about you?👀
AstralisFamily

46) yessssssssss

47) k0nfig but the 0 is donut on Ancient

48) ╭∩ ◕_◕╮∩ give

49) in-game stickers?????????????

50) _ Don't listen to that guy. We play on May 9 against IHC!

51) Thank mr csgo

52) (ง ๏_๏)ง IHC ESPORTS

53) ⍰

1. G2esports

QUESTION #2: G2ESPORTS

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [595]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [596]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [597]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [726]:

```
posts= api.user_timeline(screen_name='G2esports',count=100,tweet_mode='extended')
```

In [727]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) New header 😎

Make sure to check our header to keep up with our #MSIWorldChampionships progress

2) 100% winrate

Get your G2 MSI Jersey NOW! https://t.co/bYsbScAwYQ https://t.co/FbPBZFSLl5

3) RT @BrokenBlade: Cheers 🎊

4) @Flakked_LoL 4-1-9 and 2-0-6.

Can't wait for a good performance if this wasn't the best

5) RT @DylanFalcoLoL: rift rivals: the group stage

6) RT @rodrigo_rlt: When does NA play? Anivia secret weapon 😱 #20G2 https://t.co/suhBGLTBYp

7) RT @Ra4fk: EU > NA 😘😘😘 #MSI2022

8) RT @Flakked_LoL: siuuuu pretty chill day not the best perfomances but really missed playing on st age ♡

9) @IWDominate OCE > NA LUL

10) @lolesports @G2Caps https://t.co/IMAvLaEqLe

In [728]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[728]:

	Tweets
0	New header😎\n\nMake sure to check our header t...
1	100% winrate\n\nGet your G2 MSI Jersey NOW! ht...
2	RT @BrokenBlade: Cheers 🍻
3	@Flakked_LoL 4-1-9 and 2-0-6.\n\nCan't wait fo...
4	RT @DylanFalcoLoL: rift rivals: the group stage
...	...
95	💀 @launders @ScrawnyCG https://t.co/CXKsBOZuas
96	No way they come back from this? RIGHT? https:...
97	Old man mechanics 😂 https://t.co/RY5bmDrLs7
98	evaporating 😔 https://t.co/eO7rvHAFRp

	Tweets
99	?? @SnappiCSGO https://t.co/j3dkTbkKiR

100 rows × 1 columns

In [729]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [730]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [731]:

```
df
```

Out[731]:

	Tweets
0	New header😎\n\nMake sure to check our header t...
1	100% winrate\n\nGet your G2 MSI Jersey NOW!
2	: Cheers 🥂
3	_LoL 4-1-9 and 2-0-6.\n\nCan't wait for a good...
4	: rift rivals: the group stage
...	...
95	💀
96	No way they come back from this? RIGHT?
97	Old man mechanics 😂

	Tweets
98	evaporating 😌
99	??

100 rows × 1 columns

In [732]:

```
analysis=TextBlob("Today was the best day ")
```

In [733]:

```
analysis.sentiment
```

Out[733]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [734]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [735]:

```
df
```

Out[735]:

	Tweets	Subjectivity	Polarity
0	New header😎\n\nMake sure to check our header t...	0.671717	0.318182
1	100% winrate\n\nGet your G2 MSI Jersey NOW!	0.000000	0.000000
2	: Cheers 🥂	0.000000	0.000000
3	_LoL 4-1-9 and 2-0-6.\n\nCan't wait for a good...	0.533333	0.833333
4	: rift rivals: the group stage	0.000000	0.000000

	Tweets	Subjectivity	Polarity
...	...	...	...
95	💀	0.000000	0.000000
96	No way they come back from this? RIGHT?	0.267857	0.142857
97	Old man mechanics 😂	0.200000	0.100000
98	evaporating 😌	0.000000	0.000000
99	??	0.000000	0.000000

100 rows × 3 columns

In [ ]:

In [736]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
  if score<0:
    return 'Negative'
  elif score==0:
    return 'Neutral'
  else:
    return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[736]:

	Tweets	Subjectivity	Polarity	Analysis
0	New header😎\n\nMake sure to check our header t...	0.671717	0.318182	Positive
1	100% winrate\n\nGet your G2 MSI Jersey NOW!	0.000000	0.000000	Neutral
2	: Cheers 🙌	0.000000	0.000000	Neutral

	Tweets	Subjectivity	Polarity	Analysis
3	_LoL 4-1-9 and 2-0-6.\n\nCan't wait for a good...	0.533333	0.833333	Positive
4	: rift rivals: the group stage	0.000000	0.000000	Neutral
...	...	...	...	...
95	💀	0.000000	0.000000	Neutral
96	No way they come back from this? RIGHT?	0.267857	0.142857	Positive
97	Old man mechanics 😂	0.200000	0.100000	Positive
98	evaporating 😌	0.000000	0.000000	Neutral
99	??	0.000000	0.000000	Neutral

100 rows × 4 columns

In [737]:

```
df[df['Analysis']=='Neutral']
```

Out[737]:

	Tweets	Subjectivity	Polarity	Analysis
1	100% winrate\n\nGet your G2 MSI Jersey NOW!	0.0	0.0	Neutral
2	: Cheers 🥂	0.0	0.0	Neutral
4	: rift rivals: the group stage	0.0	0.0	Neutral
6	: EU > NA 😮😮😮 MSI2022	0.0	0.0	Neutral
8	OCE > NA LUL	0.0	0.0	Neutral
...	...	...	...	...

	Tweets	Subjectivity	Polarity	Analysis
93	putting liquid in their place	0.0	0.0	Neutral
94	NA CS ⍰	0.0	0.0	Neutral
95	💀	0.0	0.0	Neutral
98	evaporating 😔	0.0	0.0	Neutral
99	??	0.0	0.0	Neutral

63 rows × 4 columns

In [738]:

```
df['Analysis'].value_counts()
```

Out[738]:

```
Neutral     63
Positive    30
Negative     7
Name: Analysis, dtype: int64
```

In [739]:

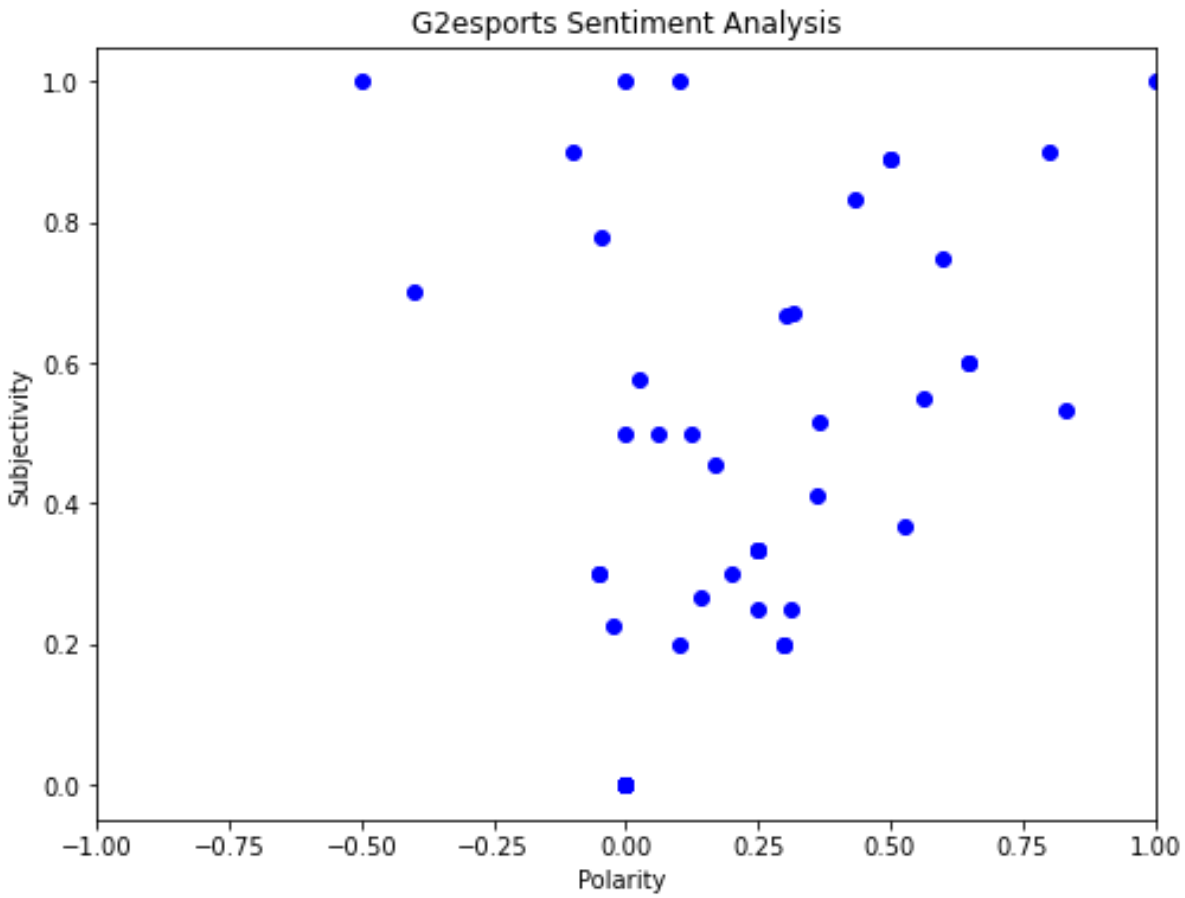
```
df.shape
```

Out[739]:

```
(100, 4)
```

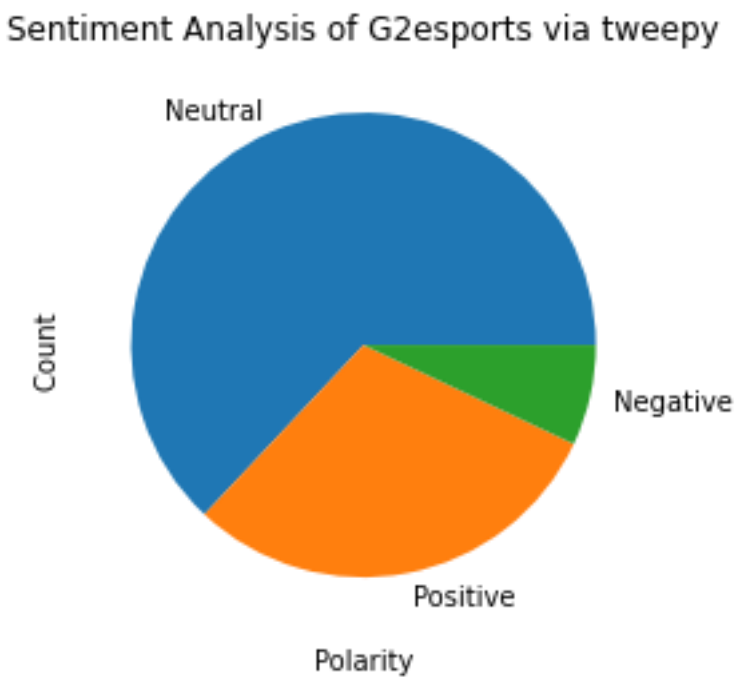
In [741]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("G2esports Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



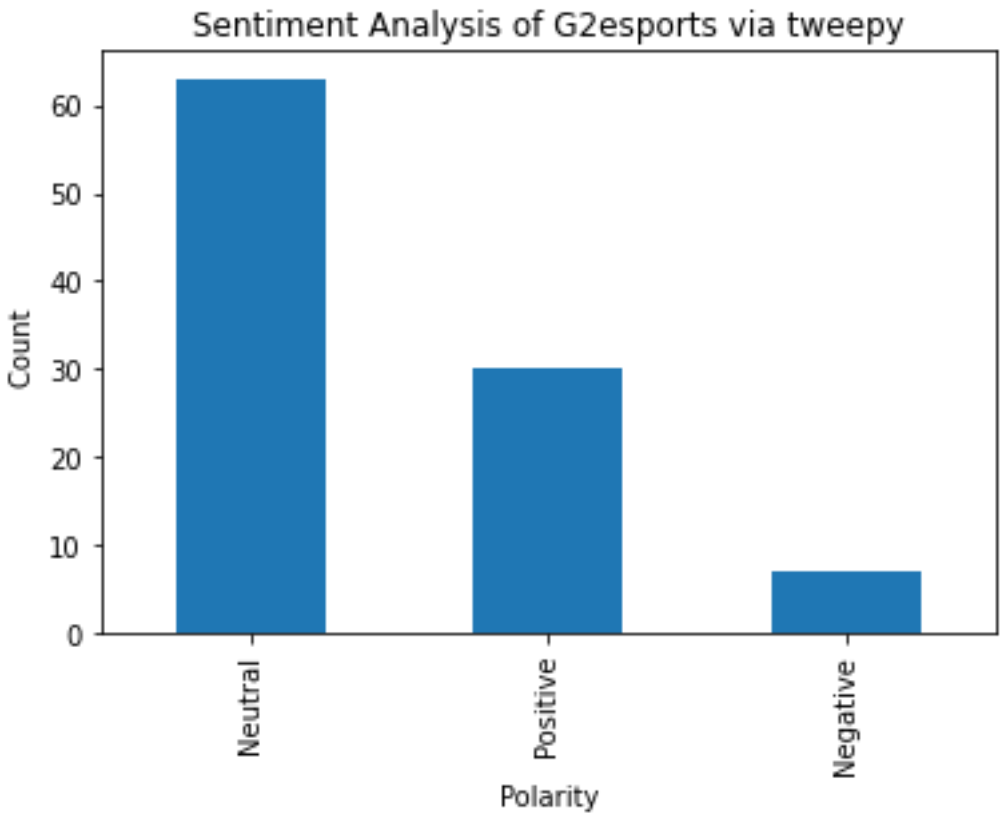
In [743]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of G2esports via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [744]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of G2esports via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [745]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) New header😎

Make sure to check our header to keep up with our MSIWorldChampionships progress

2) _LoL 4-1-9 and 2-0-6.

Can't wait for a good performance if this wasn't the best

3) _LoL: siuuuu pretty chill day not the best perfomances but really missed playing on stage ♡

4) _LoL Come celebrate EU being better than NA once again

5) Can't be disappointed if you never expect to win

6) Free Baron lol

7) Oh and we picked Anivia, pretty standard

8) Easy for G2

9) FIRST BLOOD FOR CAPS AGAIN

10) Sure thing

11) Breakdown our first win of the 20G2 MSIWorldChamps

12) Scrim went well, can't wait for real games 🤪

13) Have to keep it fun

14) FIRST BLOOD FOR CLAPS

15) _LoL Right back at you ♡

16) OUR FIRST DRAFT OF THE MSIWorldChamps

17) _LoL Come enjoy the match with the G2ARMY!

18) : It's a G2-0! 🔥

But what do the boys think of their performance so far? We caught up with _CSGO & …

19) The perfect emote for all situations 😎

20) : . is back & this week he's giving us the rundown on his TOP 5 esports, streamers & co untries!

What do you thin…

21) Consistently smurfing 🔥

Your MVP

22) : 2-0 to start the major 💪 PGLMajor

23) SURELY WE WON'T CHOKE ON 14

24) 🎥 WATCH NOW ON OUR NEW VALORANT CHANNEL!

25) EASY WINS 🎡

26) : Group A gonna be fun, you can see excitement in my face.

VCTEMEA

27) Done deal, 's Birthday has been confirmed as the star turns one year older today!
Here we go.

28) you're welcome

29) No way they come back from this? RIGHT?

30) Old man mechanics 😂

In [746]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) _rlt: When does NA play? Anivia secret weapon 😱 20G2

2) Fun fact, EG has never won a game at MSIWorldChamps

3) Sorry for ruining your day

4) Fun fact, we haven't lost a MSIWorldChamps game since 2019

5) _LoL _dad So sick!

6) _lec Nothing really, chill G2-0, the usual

7) Absolutely not close 🤪

In [747]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) 100% winrate

Get your G2 MSI Jersey NOW!

2) : Cheers 🎊

3) : rift rivals: the group stage

4) : EU > NA 😘😘😘 MSI2022

5) OCE > NA LUL

6)

7)

8) : EG back to fortnite

9) Some things never change

10) When does NA play

11) Roaming Anivia btw

12) Check out all our banger GIFs on our Giphy

13) taunt.gif

14) Claps sabe😎

15) We are playing vs an easier opponent this time

16)

17) Now rolling back the clock and bringing EG Froggen to the stage

18) Of course not, how did you not predict the Anivia mid?

19) Hey - any advice?

20) ??????????

21) They will have in 25 minutes

22) Yes

23) Sending Jojopyun back to Fortnite

●

24) We appreciate the jinx ❤

25) we believe in Chad Targou

26) Indeed

27) EZ 4v5 😎

28) Dw guys we still have the gold lead

29) suıƃəq unɹ ssəlʍɐlɟ ɹnO

🌑

30) TODAY MSIWorldChamps

31) LFG

32) Bigger chance Jankos hits a Nidalee spear than NA making it out of groups

33) Fax

34) ♡

35) Celebrating 3-0 Champions

36)

37) CELEBRATING THE 2-0 WITH

Enter here ➡

BetwayAimChallenge

38) __Spirit GGWP

39) : Almost comeback from __Spirit . GGWP, 2:0 today. G2ARMY

40)

41) _CSGO EZ

42) _CSGO: dos-zerooooo 😭 😭 😭 😭 PGLMAJOR G2ARMY CETAITTENDAX

43) Pick'ems saved ▯

44) OT

45) : guys??? ▯

46) 🤡

47) _R6 Doki is so ripped 😍

48) m0NESY picking who to entry frag

49) KOBE

50) HOOOOYEAH

51) NIKO ON A DEAGLE

52) Dust2 angle 👊

🌑

53) TAKING OVER BUSAN 🔥

10.05 | MSIWorldChamps

54) Wanna create bangers with us?

👉SOCIAL TIKTOK CONTENT PRODUCER

Apply NOW!

55) Conversations with Carlos episode 1

56) bangers only

57) : G2 is back to conquer MSI! G2WIN MSI2022

58) EZ4NIKO

Your MVP

59) putting liquid in their place

60) NA CS ⍰

61) 💀

62) evaporating 😌

63) ??

QUESTION #2: HEROICGG

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [381]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [382]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [383]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [490]:

```
posts= api.user_timeline(screen_name='heroicgg',count=100,tweet_mode='extended')
```

In [491]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) @GorgoNaR6S More of this!

#Inception #R6S #CSGO https://t.co/e3oUH3Cs7u

2) @WonderbaiTV Short green room interviews during Heroic matches w/ @kasperstraube and @TroelsRobl 💥

3) Guess @caspercadiaN or @stavnCS should tell Gorgona that Heroic permabans Dust2.. #UnRealistic

The trolling part is however spot on 👌 #P90rush https://t.co/ReP8MnRN0Y

4) @GorgoNaR6S Happy birthvisa day 🏆

5) Finally some Heroic R6 🔲 CSGO crossover content. Not on our YouTube, but in @GorgoNaR6S's dream. 🏠😂

Would be great if you could dream a follow up episode in Siege @SjuushCSGO. https://t.co/ebH4ZGZawh

6) @HLTVorg @FaZeClan @natusvincere @ENCE @Cloud9 @G2esports @FURIA @NIPCS @AstralisCS Hope that @ENCE climbs to 2nd in the ranking after the Challenger stage, that would be 2ence for anyone facing them in Legends stage..

#soorry #PGLMajor

7) @sassshimiii @caspercadiaN ♡ https://t.co/j3l7BtSkvO

8) @Grodan35 @caspercadiaN https://t.co/DV16ympcIT

9) @Yar000_ @caspercadiaN https://t.co/IiYVmLXAmZ

10) @redbulldanmark @caspercadiaN https://t.co/LVfR1lwoXA

In [492]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[492]:

	Tweets
0	@GorgoNaR6S More of this! \n\n#Inception #R6S ...
1	@WonderbaiTV Short green room interviews durin...
2	Guess @caspercadiaN or @stavnCS should tell Go...
3	@GorgoNaR6S Happy birthvisa day 🏆
4	Finally some Heroic R6 🔲 CSGO crossover conten...
...	...
95	@SPUNJ Made this just for you @SPUNJ\nhttps://...
96	@CSGO @pglesports https://t.co/StDhyq42SZ

	Tweets
97	@HEROIC_R6 @Benjamaster2k 🔥
98	Who is ready for PCS6 this weekend? 😎 \n\n#EPO...
99	Can anyone answer the Biggest Question in the ...

100 rows × 1 columns

In [493]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#","",text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [494]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [495]:

```
df
```

Out[495]:

	Tweets
0	More of this! \n\nInception R6S CSGO
1	Short green room interviews during Heroic mat...
2	Guess or should tell Gorgona that Heroic per...
3	Happy birthvisa day 🏆
4	Finally some Heroic R6 🔄 CSGO crossover conten...
...	...
95	Made this just for you \n

	Tweets
96	
97	_R6 🔥
98	Who is ready for PCS6 this weekend? 😎 \n\nEPOS...
99	Can anyone answer the Biggest Question in the ...

100 rows × 1 columns

In [496]:

```
analysis=TextBlob("Today was the best day ")
```

In [497]:

```
analysis.sentiment
```

Out[497]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [498]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [499]:

```
df
```

Out[499]:

	Tweets	Subjectivity	Polarity
0	More of this! \n\nInception R6S CSGO	0.500000	0.625000
1	Short green room interviews during Heroic mat...	0.500000	0.166667
2	Guess or should tell Gorgona that Heroic per...	0.950000	0.100000

	Tweets	Subjectivity	Polarity
3	Happy birthvisa day 🏆	1.000000	0.800000
4	Finally some Heroic R6 🔄 CSGO crossover conten...	0.883333	0.500000
...	...	...	...
95	Made this just for you \n	0.000000	0.000000
96		0.000000	0.000000
97	_R6 🔥	0.000000	0.000000
98	Who is ready for PCS6 this weekend? 😎 \n\nEPOS...	0.500000	0.200000
99	Can anyone answer the Biggest Question in the ...	0.000000	0.000000

100 rows × 3 columns

In [ ]:

In [500]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
  if score<0:
    return 'Negative'
  elif score==0:
    return 'Neutral'
  else:
    return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[500]:

	Tweets	Subjectivity	Polarity	Analysis
0	More of this! \n\nInception R6S CSGO	0.500000	0.625000	Positive

	Tweets	Subjectivity	Polarity	Analysis
1	Short green room interviews during Heroic mat...	0.500000	0.166667	Positive
2	Guess or should tell Gorgona that Heroic per...	0.950000	0.100000	Positive
3	Happy birthvisa day 🏆	1.000000	0.800000	Positive
4	Finally some Heroic R6 🔄 CSGO crossover conten...	0.883333	0.500000	Positive
...	...	...	...	...
95	Made this just for you \n	0.000000	0.000000	Neutral
96		0.000000	0.000000	Neutral
97	_R6 🔥	0.000000	0.000000	Neutral
98	Who is ready for PCS6 this weekend? 😎 \n\nEPOS...	0.500000	0.200000	Positive
99	Can anyone answer the Biggest Question in the ...	0.000000	0.000000	Neutral

100 rows × 4 columns

In [501]:

```
df[df['Analysis']=='Neutral']
```

Out[501]:

	Tweets	Subjectivity	Polarity	Analysis
5	Hope that climbs to 2nd in the ranki...	0.000000	0.0	Neutral
6	❤️	0.000000	0.0	Neutral
7		0.000000	0.0	Neutral
8	_	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
9		0.000000	0.0	Neutral
11	Now let's get that 💎	0.000000	0.0	Neutral
12	_dengeset	0.000000	0.0	Neutral
13	PGLMajor ✅	0.000000	0.0	Neutral
16	Glhf 💎	0.000000	0.0	Neutral
17	_CS Or as Rihanna would say:	0.000000	0.0	Neutral
18	Now let's get that 🏆.	0.000000	0.0	Neutral
19	Can't get jinxed if you're not an alternative	0.000000	0.0	Neutral
21	🤩	0.000000	0.0	Neutral
22		0.000000	0.0	Neutral
23	⭐⭐⭐	0.000000	0.0	Neutral
24	💎💎💎\n\n	0.000000	0.0	Neutral
25	How is Julia?	0.000000	0.0	Neutral
26	🔥🔥⭐⭐	0.000000	0.0	Neutral
27	💎🤩	0.000000	0.0	Neutral
29	We'll be watching.\n\nConstantly.	0.333333	0.0	Neutral
31	. diamond cans when?	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
34	All you have to do is	0.000000	0.0	Neutral
36	Based on the response to this thread:	0.000000	0.0	Neutral
39	Keep seeing diamonds everywhere...\n\nTheHeist...	0.000000	0.0	Neutral
41		0.000000	0.0	Neutral
42	🔥	0.000000	0.0	Neutral
43	_R6 Nex time, ask to have your paycheck in Nor...	0.000000	0.0	Neutral
44	_CS Hint: Nokia 3310	0.000000	0.0	Neutral
45	Want to break the code yourself?\n\nHint:	0.000000	0.0	Neutral
46		0.000000	0.0	Neutral
48	The answer is here!	0.000000	0.0	Neutral
49	The Heist Begins.\ncsgo PGLMajor PGLMajorAntwerp	0.000000	0.0	Neutral
50	PM!	0.000000	0.0	Neutral
51	_pubg	0.000000	0.0	Neutral
52	⍰Gold & Holo! ⍰	0.000000	0.0	Neutral
56	hm, but the animation doesn't update	0.000000	0.0	Neutral
57	aka. need some math help please	0.000000	0.0	Neutral
61		0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
62	Egon Olsen = \nBenny = ?\nKjeld = ?	0.000000	0.0	Neutral
65	Please twlog (twitter-blog, it's a thing) eve...	0.000000	0.0	Neutral
67	_nicola	0.000000	0.0	Neutral
69	_Junior hm, meaning what	0.000000	0.0	Neutral
72	hmm	0.000000	0.0	Neutral
83	Picture please!	0.000000	0.0	Neutral
84	Can you post picture of inspection? We don't ...	0.000000	0.0	Neutral
86	Which CS:GO player could beat Papito in a boxi...	0.000000	0.0	Neutral
87	⍰⍰⍰	0.000000	0.0	Neutral
88	...and the player stickers!!🔥	0.000000	0.0	Neutral
89	Stickers are finally here!! Which one did you ...	1.000000	0.0	Neutral
91	Wait...What happened to our sticker? 👀\n\nCSGO...	0.000000	0.0	Neutral
92	☆☆💥	0.000000	0.0	Neutral
93	🔥🔥	0.000000	0.0	Neutral
94	_UK 🏆	0.000000	0.0	Neutral
95	Made this just for you \n	0.000000	0.0	Neutral
96		0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
97	_R6 🔥	0.000000	0.0	Neutral
99	Can anyone answer the Biggest Question in the ...	0.000000	0.0	Neutral

In [502]:

```
df['Analysis'].value_counts()
```

Out[502]:

```
Neutral    57
Positive   26
Negative   17
Name: Analysis, dtype: int64
```

In [503]:

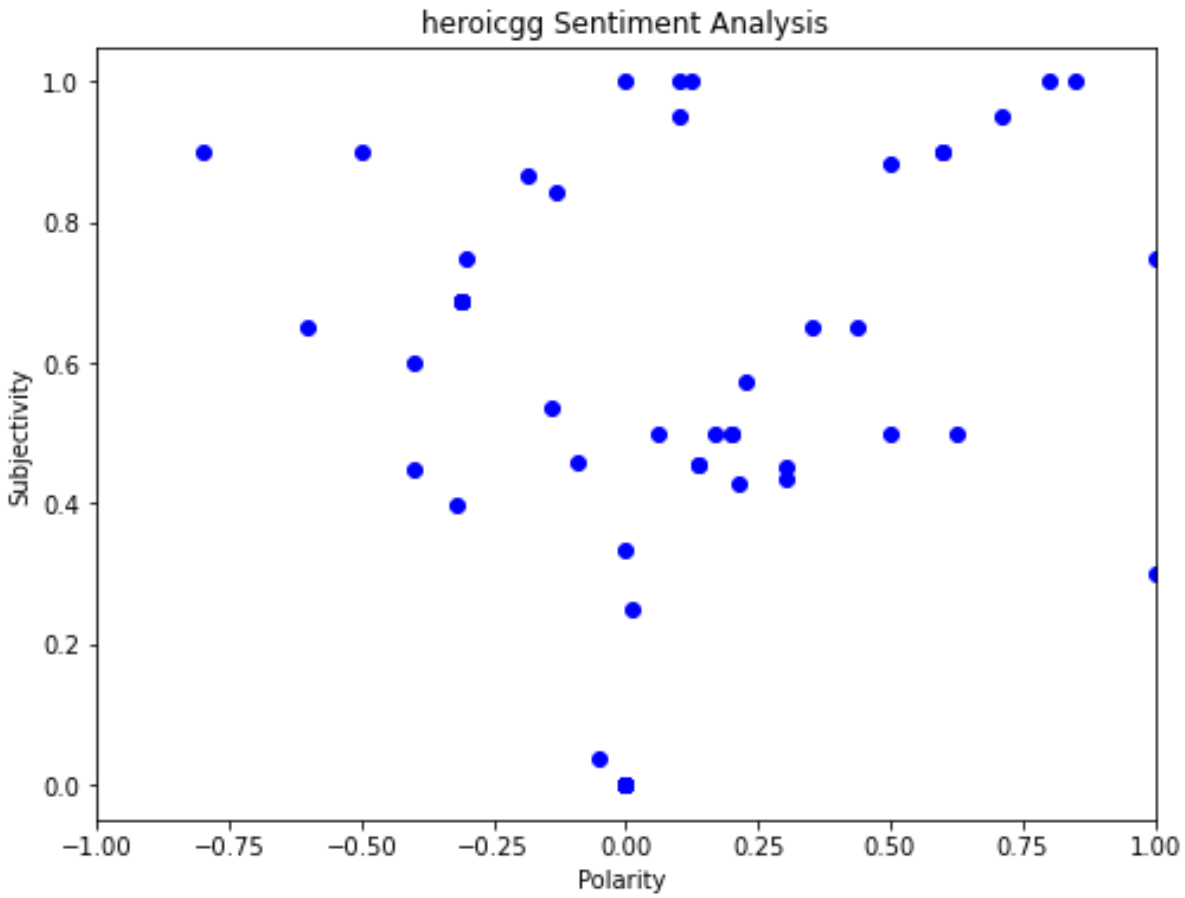
```
df.shape
```

Out[503]:

```
(100, 4)
```

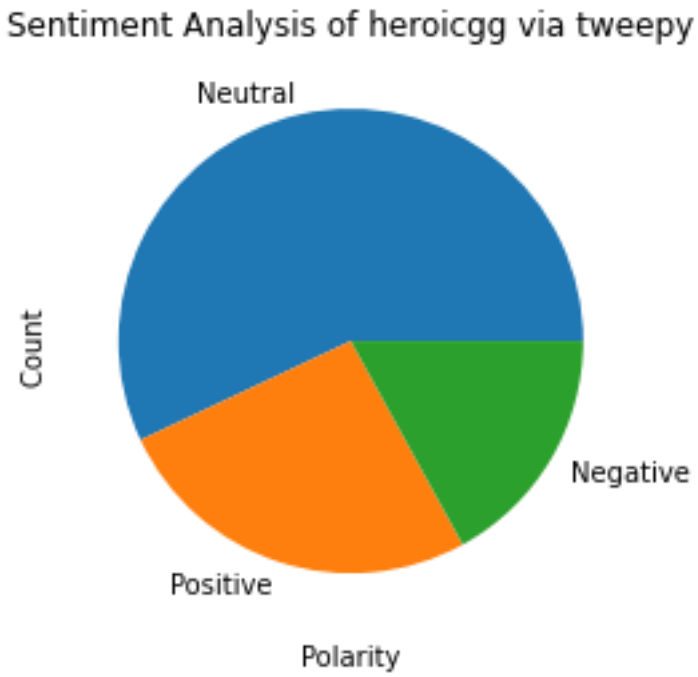
In [504]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("heroicgg Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



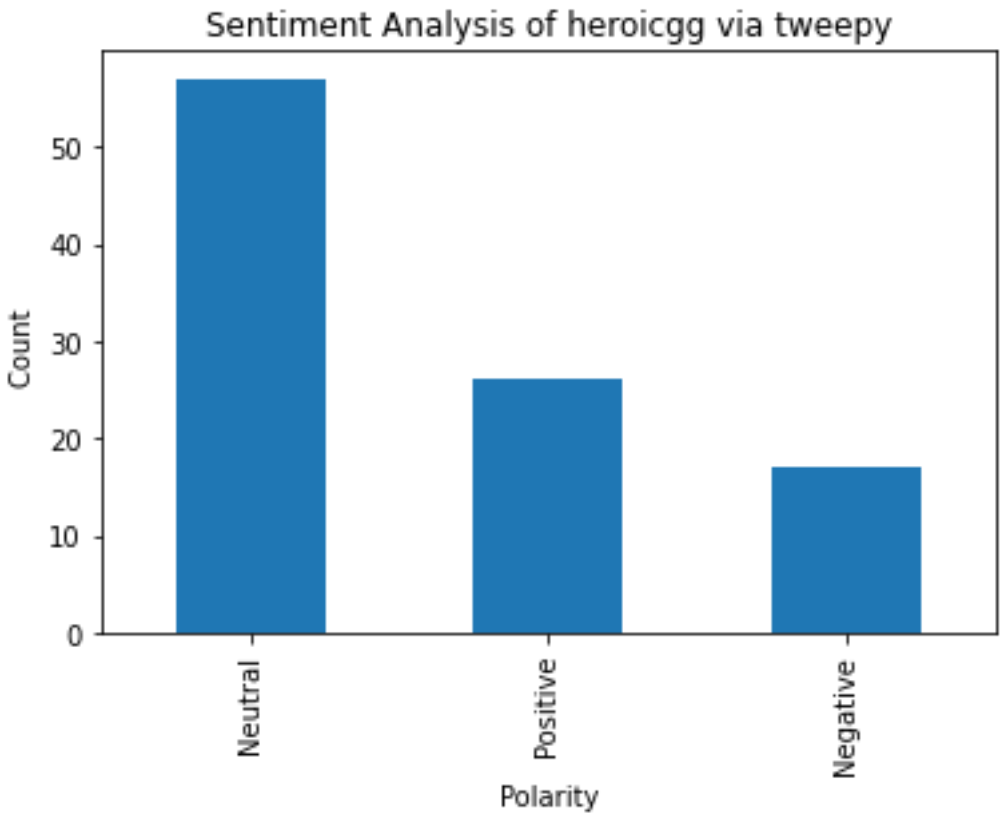
In [506]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of heroicgg via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [507]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of heroicgg via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [508]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) More of this!

Inception R6S CSGO

2) Short green room interviews during Heroic matches w/ and 💥

3) Guess or should tell Gorgona that Heroic permabans Dust2.. UnRealistic

The trolling part is however spot on 👌 P90rush

4) Happy birthvisa day 🏆

5) Finally some Heroic R6 🔃 CSGO crossover content. Not on our YouTube, but in 's dream. 🏠😂

Would be great if you could dream a follow up episode in Siege .

6) _maloku But beautiful

7) Best of luck on stream 💎

8) _pubg _ Amazing comeback 🔥

9) One major. Two goals.

Presenting: 's Eight.

PGLMajor PGLMajorAntwerp

10) _carbonio Drinking and/or eating diamonds is not recommended per current EU health guidelines.

But it would look super cool though. 🕵️💎

11) Seems like a lot of people want 128 tick and a new anti-cheat .

12) How large can you print them? 😍

13) Hi you were the first one to guess the right answer! Send us DM to claim your prize.

14) The gold one is amazing 🤩

15) Hey , time for something new? 🤔

PGLMajor PGLMajorAntwerp

16) _R6 Ready for another ride?

17) Welcome to the team, let's make some magic together!

18) : With the EU Closed Qualifier complete, here are all 16 teams invited to IEM Dallas! us

…

19) Calling all code breakers!

The first one to guess gets a special prize 💎💎

CSGO PGLMajor PGLANTWERPMAJOR

20) Great read ! 🤩

21) Wow!

22) Stay tuned! We'll share more on Sunday 💎💎

23) So cool! lets go 🔥🔥

24) We have 0 holos in the office so far 😭

25) Pssst. Something cool is coming. Sunday, 6 pm 💎

26) Who is ready for PCS6 this weekend? 😎

EPOSGaming _pubg

In [509]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) _dx Easy fix: Add two ranks.

Global Diamond Elite (Highest rank)

Glass Diamond I-IV (Above Silver)

🤩✅

2) _cs Easy fix, we call the rank:

💎Global Offensive Diamond Elite

3) Hey, this seems reasonable, but we also want a Diamond rank.

4) How is the rank system in dota2?

5) Agreed!

We need a 'P90 Global Elite'-rank for

6) _gTV RANK: Global Diamond Elite?

With glove skin! Is someone writing this down?

7) Ofc any game that has a DIAMOND rank must have 128 tick, maybe even 1280 tick ✅

8) But also it's not right

9) Well can't say that this is wrong

10) Poor chairs

11) We are missing several Red Bull deliveries at HQ, starting to see a pattern here... ⍰

12) _Rush another code? what could it mean?

13) _Junior what does that mean?

14) hm, what does that mean?

15) what does that mean?

16) what does that mean?

17) what does that even mean? :O they never tell us

In [510]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Hope that climbs to 2nd in the ranking after the Challenger stage, that would be 2ence for a nyone facing them in Legends stage..

soorry PGLMajor

2) ♡

3)

4) _

5)

6) Now let's get that 💎

7) _dengeset

8) PGLMajor ✅

9) Glhf 💎

10) _CS Or as Rihanna would say:

11) Now let's get that 🏆.

12) Can't get jinxed if you're not an alternative

13) 😵

14)

15) ☆☆☆

16) 💎💎💎

17) How is Julia?

18) 🔥🔥☆☆

19) 💎😵

20) We'll be watching.

Constantly.

21) . diamond cans when?

22) All you have to do is

23) Based on the response to this thread:

24) Keep seeing diamonds everywhere...

TheHeistBegins today at 6 pm. 💎

PGLMajor PGLMajorAntwerp

25)

26) 🔥

27) _R6 Nex time, ask to have your paycheck in Norwegian kroners.

28) _CS Hint: Nokia 3310

29) Want to break the code yourself?

Hint:

30)

31) The answer is here!

32) The Heist Begins.
csgo PGLMajor PGLMajorAntwerp

33) PM!

34) _pubg

35) ▯Gold & Holo! ▯

36) hm, but the animation doesn't update

37) aka. need some math help please

38)

39) Egon Olsen =
Benny = ?
Kjeld = ?

40) Please twlog (twitter-blog, it's a thing) every step of the journey and rate your experience on a s cale from 2-7.

41) _nicola

42) _Junior hm, meaning what

43) hmm

44) Picture please!

45) Can you post picture of inspection? We don't have one yet :|

46) Which CS:GO player could beat Papito in a boxing match? 🥊

& doing the Whisper challenge, presented by 🔥

EPOSGaming

47) ▯▯▯

48) ...and the player stickers!!🔥

49) Stickers are finally here!! Which one did you get?💎

50) Wait...What happened to our sticker? 👀

CSGO PGLMajor PGLANTWERPMAJOR

51) ☆☆💥

52) 🔥🔥

53) _UK 🏆

54) Made this just for you

55)

56) _R6 🔥

57) Can anyone answer the Biggest Question in the Universe / Esport?

👀 PGLMajor
☆

QUESTION #2: ENCE

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [381]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [382]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [383]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [511]:

```
posts= api.user_timeline(screen_name='ENCE',count=100,tweet_mode='extended')
```

In [512]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) @Dychacs we stay :)

2) @CsgoHades hadEZ4ENCE

3) @CsgoHades ens is happy many gud player 💜

4) The God of the Underworld is here to stay; @CsgoHades has extended his contract with ENCE thro
ugh 2022 and 2023 🔥

📰 https://t.co/Sj2yhMrkse

#EZ4ENCE https://t.co/3dTZL02kjV

5) a quick pray for everyone's pick'ems https://t.co/cR4rCN21ce

6) Fight for the Legends Stage.

🆚 @G2esports
🕐 19:15 EEST / 18:15 CEST

#EZ4ENCE #PGLMajor https://t.co/g64KdQX19K

7) @launders pretty good

8) RT @I_EKI_I: Road to #NHLGWC 2022 - Episode 17 | TEAM DRAFT

📺https://t.co/oniNvZL0kv https://t.co/I85TQCij9B

9) RT @Dychacs: Helloo today at 18:15 we will face @G2esports for a chance to go 3-0 and to get to l
egends :D

10) RT @CsgoHades: Helloo today at 18:15 we will face @G2esports for a chance to go 3-0 and to ge
t to legends :D

In [513]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[513]:

	Tweets
0	@Dychacs we stay :)

	Tweets
1	@CsgoHades hadEZ4ENCE
2	@CsgoHades ens is happy many gud player 🧡
3	The God of the Underworld is here to stay; @Cs...
4	a quick pray for everyone's pick'ems https://t...
...	...
95	RT @Rustanmar: 7th place in PCS6\n\nI played b...
96	RT @NOOKIEPUBG: GG`s \nWe improved our gamepla...
97	RT @sKUIJKE: 7th place in #PCS6Europe . Happy ...
98	RT @PUBGEsports: It was close at the top, but ...
99	What an intense ending for #PCS6 🤩 \n\nWe fini...

100 rows × 1 columns

In [514]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#","",text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [515]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [516]:

```
df
```

Out[516]:

	Tweets
0	we stay :)
1	hadEZ4ENCE
2	ens is happy many gud player 🧡
3	The God of the Underworld is here to stay; ha...
4	a quick pray for everyone's pick'ems
...	...
95	: 7th place in PCS6\n\nI played bad this tourn...
96	: GG`s \nWe improved our gameplay from the las...
97	: 7th place in PCS6Europe . Happy and sad at t...
98	: It was close at the top, but are your CHAMP...
99	What an intense ending for PCS6 😍 \n\nWe finis...

100 rows × 1 columns

In [517]:

```
analysis=TextBlob("Today was the best day ")
```

In [518]:

```
analysis.sentiment
```

Out[518]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [519]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
    return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
    return TextBlob(text).sentiment.polarity
```

```
# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [520]:

```
df
```

Out[520]:

	Tweets	Subjectivity	Polarity
0	we stay :)	1.000000	5.000000e-01
1	hadEZ4ENCE	0.000000	0.000000e+00
2	ens is happy many gud player 🧡	0.750000	6.500000e-01
3	The God of the Underworld is here to stay; ha...	0.000000	0.000000e+00
4	a quick pray for everyone's pick'ems	0.500000	3.333333e-01
...	...	...	...
95	: 7th place in PCS6\n\nI played bad this tourn...	0.422222	3.700743e-17
96	: GG`s \nWe improved our gameplay from the las...	0.291667	-8.750000e-02
97	: 7th place in PCS6Europe . Happy and sad at t...	0.550000	1.600000e-01
98	: It was close at the top, but are your CHAMP...	0.500000	6.250000e-01
99	What an intense ending for PCS6 😍 \n\nWe finis...	1.000000	2.000000e-01

100 rows × 3 columns

In [ ]:

In [521]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
    if score<0:
        return 'Negative'
    elif score==0:
```

```
    return 'Neutral'
  else:
    return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[521]:

	Tweets	Subjectivity	Polarity	Analysis
0	we stay :)	1.000000	5.000000e-01	Positive
1	hadEZ4ENCE	0.000000	0.000000e+00	Neutral
2	ens is happy many gud player 🧡	0.750000	6.500000e-01	Positive
3	The God of the Underworld is here to stay; ha...	0.000000	0.000000e+00	Neutral
4	a quick pray for everyone's pick'ems	0.500000	3.333333e-01	Positive
...	...	...	...	...
95	: 7th place in PCS6\n\nI played bad this tourn...	0.422222	3.700743e-17	Positive
96	: GG`s \nWe improved our gameplay from the las...	0.291667	-8.750000e-02	Negative
97	: 7th place in PCS6Europe . Happy and sad at t...	0.550000	1.600000e-01	Positive
98	: It was close at the top, but are your CHAMP...	0.500000	6.250000e-01	Positive
99	What an intense ending for PCS6 😍 \n\nWe finis...	1.000000	2.000000e-01	Positive

100 rows × 4 columns

In [522]:

```
df[df['Analysis']=='Neutral']
```

Out[522]:

	Tweets	Subjectivity	Polarity	Analysis
1	hadEZ4ENCE	0.000	0.0	Neutral
3	The God of the Underworld is here to stay; ha...	0.000	0.0	Neutral
5	Fight for the Legends Stage.\n\n🆚 \n🕐 19:15 EE...	0.000	0.0	Neutral
7	_EKI_I: Road to NHLGWC 2022 - Episode 17 | TEA...	0.000	0.0	Neutral
12	POLSKA GUROM	0.000	0.0	Neutral
13	: Will play tomorrow for the LEGEND spot at 1...	0.000	0.0	Neutral
14	ENCE 1 vs ENCE (G)2 it is!\n\nEZ4ENCE PGLMajor	0.000	0.0	Neutral
15		0.000	0.0	Neutral
16	: Playing against G2 tommorow for 3-0 spot.\nI...	0.000	0.0	Neutral
17	The "a" in Snappi stands for Ace 😤	0.000	0.0	Neutral
24	: 2-0\nPGLMajor \nEZ4ENCE	0.000	0.0	Neutral
25	Dominant starting day 💪 GGWP\n\nWe're now 2-0 ...	0.100	0.0	Neutral
27	😉 \n\nEZ4ENCE PGLMajor	0.000	0.0	Neutral
28	SNAPPIII ACE	0.000	0.0	Neutral
29	no chill	0.000	0.0	Neutral
30	hadEZ to save the day!\n\nEZ4ENCE PGLMajor	0.000	0.0	Neutral
31	On it!	0.000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
33	de_hades	0.000	0.0	Neutral
34	It's seemingly EZ4ENCE 🔥	0.000	0.0	Neutral
36	maybe they just searching for you ⍰	0.000	0.0	Neutral
37	Looking to go 2-0 🔍\n\nFacing Outsiders after ...	0.000	0.0	Neutral
39	We're gonna run out of number puns li...	0.000	0.0	Neutral
41	Sidequest completed ✅	0.000	0.0	Neutral
43	: 🙂	0.000	0.0	Neutral
46	GL trying to kill Zyw0o	0.000	0.0	Neutral
47	Script leaked: gonna start all the future M...	0.125	0.0	Neutral
48	A solid entrance 😊	0.100	0.0	Neutral
49	The next banger will be against Outsiders at 2...	0.000	0.0	Neutral
53	GG 🤝	0.000	0.0	Neutral
55	Beast 😡💨	0.000	0.0	Neutral
56	: 1-0\nPGLMajor \nEZ4ENCE	0.000	0.0	Neutral
60	. with the 30-bomb 😡💨	0.000	0.0	Neutral
61		0.000	0.0	Neutral
62	Joined ✅	0.000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
63	: Spinx fanclub ✅ ✅	0.000	0.0	Neutral
66		0.000	0.0	Neutral
69	GLHF 👊	0.000	0.0	Neutral
70		0.000	0.0	Neutral
73	GG \n-ENCE (G)2	0.000	0.0	Neutral
75	Just couldn't say no for some reason	0.000	0.0	Neutral
76	Last-minute roster shuffle with	0.000	0.0	Neutral
77	HOL' UP?	0.000	0.0	Neutral
80	The man, the myth, the ~~Legend~~ Chall...	0.000	0.0	Neutral
81	_CSGO LETS GOOOOO	0.000	0.0	Neutral
83	╭∩ ◕_◕ ╮∩ EZ4ENCE energy ╭∩ ◕_◕ ╮∩	0.000	0.0	Neutral
87	based	0.000	0.0	Neutral
88	: The PGLMajor Antwerp begins today! \n\nWho d...	0.000	0.0	Neutral
91	Lets gooooo 🤠	0.000	0.0	Neutral
94	PGLMAJOR DAY\nPGLMAJOR DAY\nPGLMAJOR DAY	0.000	0.0	Neutral

In [523]:

```
df['Analysis'].value_counts()
```

Out[523]:

```
Neutral     49
Positive    41
Negative    10
```

Name: Analysis, dtype: int64

In [524]:

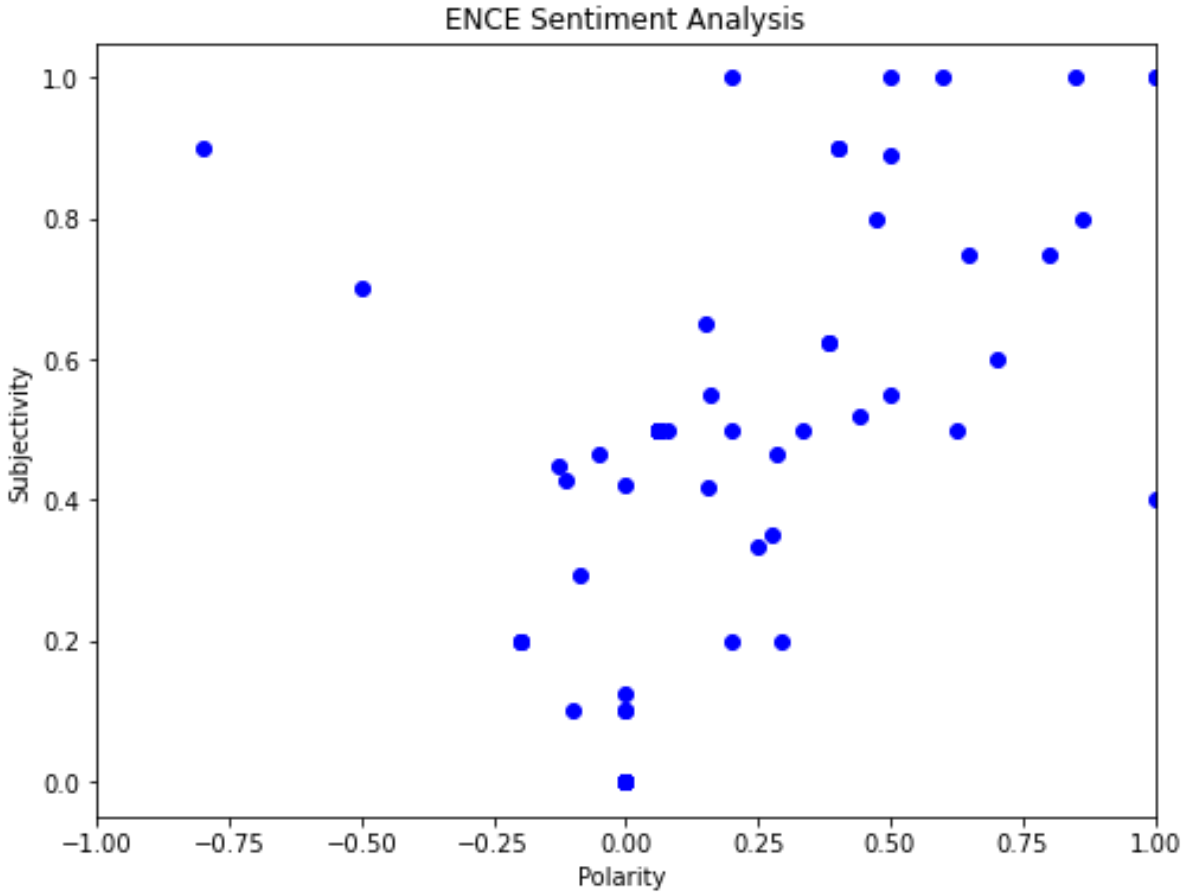
```
df.shape
```

Out[524]:

(100, 4)

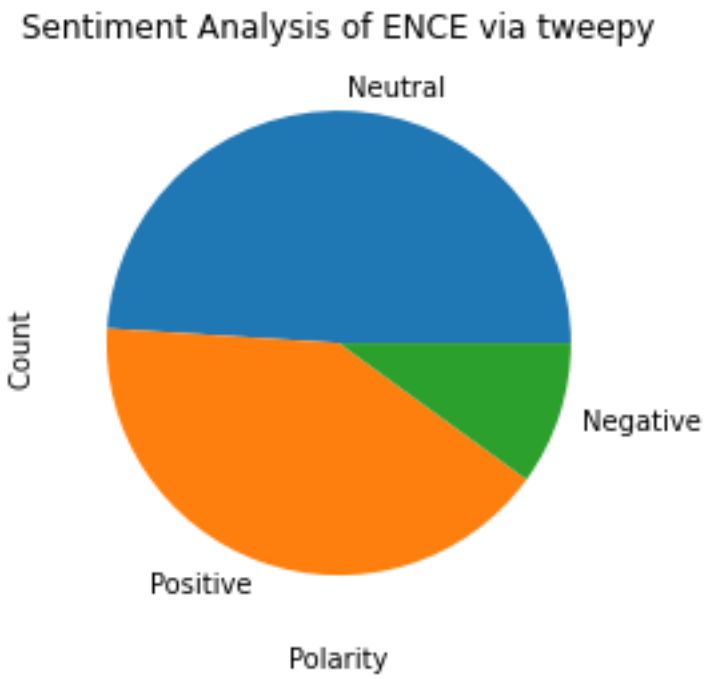
In [525]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("ENCE Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



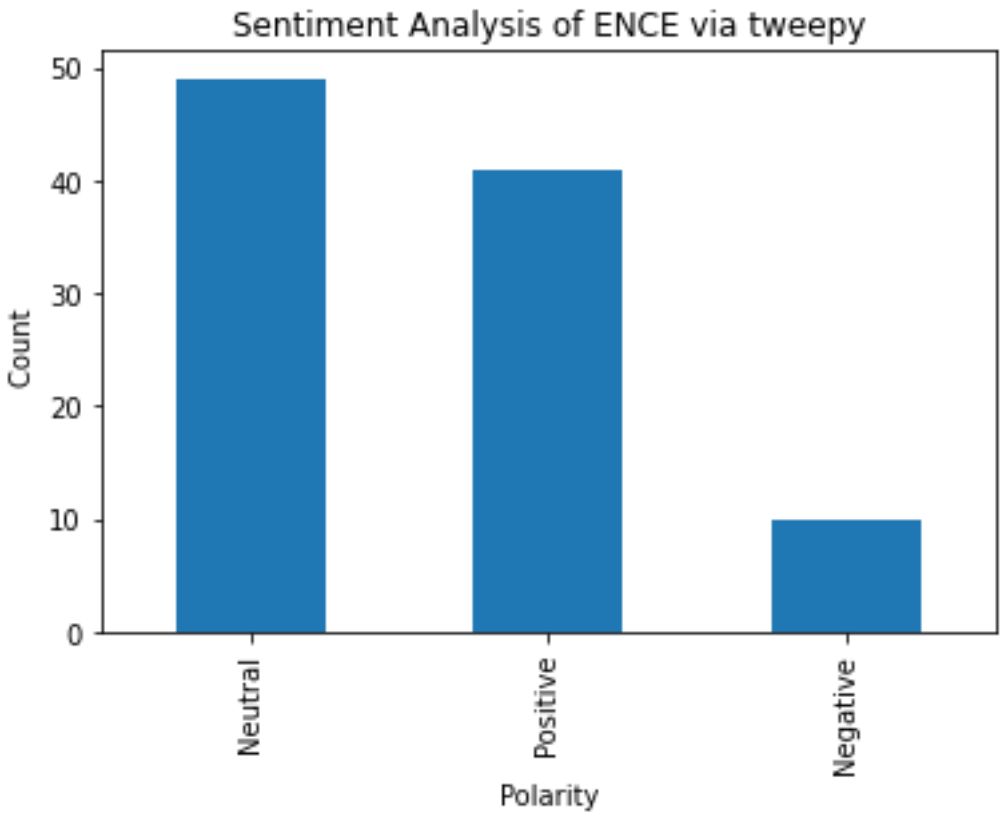
In [526]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of ENCE via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [527]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of ENCE via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [528]:

 # Lets get positive tweets only

```
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) we stay :)

2) ens is happy many gud player 💝

3) a quick pray for everyone's pick'ems

4) pretty good

5) : Helloo today at 18:15 we will face for a chance to go 3-0 and to get to legends :D

6) : Helloo today at 18:15 we will face for a chance to go 3-0 and to get to legends :D

7) Good morning!

Another beautiful day of PGLMajor ahead.

8) : Spinx: "My confidence on LAN is higher, it feels more natural"

9) : Just like in PGL Stockholm, brings some huge firepower for the Challengers Stage 🤩

EZ4ENCE PGLMajor

10) Just like in PGL Stockholm, brings some huge firepower for the Challengers Stage 🤩

EZ4ENCE PGLMajor

11) : 16-6 vs Outsiders ggwp ! Some solid gamingz from us :D 2-0 in swiss and we start bo3s tomorro
w EZ4ENCE
PGLMajor

12) : Won 16-6 against Outsiders and now we are 2-0 and have normal BO3 GG

EZ4ENCE

13) : 2-0 in the PGLMajor

16-6 win vs Outsiders! Tomorrow we play for a spot in the Legends stage!

EZ4ENCE

14) Snappi is a tactical genius. He is best known for his signature tactic ”going B”. He also has a secon
d little-known tactic of ”going B, but faster". What an absolute legend. Top 3 IGL 4 sure.

15) Vertigo to finish off the first day 😇

GB
FI
PL

📝

EZ4ENCE PGLMajor

16) Beautiful

17) _USA Good morning _USA

18) : TOP3, NOW FOCUS ON MAJOR

19) Nice 🙂

20) Majorit ovat alkaneet, ja niin myös Major tarjoukset 🤩

👉

EZ4ENCE kaupallinenyhteistyö

21) : Good start at the PGLMajor

16-7 victory over ! Next match later today vs Outsiders! 🤩

EZ4ENCE

22) : Good opening game in PGLMajor we win 16-7 vs ggwp
We will face outsiders later today

23) : Hello Major, is here 👏

EZ4ENCE PGLMajor

24) Hello Major, is here 👏

EZ4ENCE PGLMajor

25) . in Major form 💪

EZ4ENCE PGLMajor

26) MAJOR RUN BEGINS.

GB
FI
PL

📝

EZ4ENCE PGLMajor

27) play of the year for sure

28) . is making his Major debut soon!

🆚

EZ4ENCE PGLMajor

29) Can't wait for ENCE 1 vs ENCE (G)2 in the Major Finals

30) Deathless Major run any %

31) GL to everyone at PGLMajor

Let's show the world some great Counter-Strike.

32) Hey

You ready for the PGLMajor?

33) Major starts with two Bo1's 🔥

First one against at 16:45 EEST / 15:45 CEST

EZ4ENCE PGLMajor

34) : Good morning! It’s match day :D today 15;45CET we will face 9z in our opening game of the maj or 😇

35) Major Counter-Strike.

36) : Good morning! It’s match day :D today 15;45CET we will face 9z in our opening game of the maj or 😇

37) _USA Thanks and gn 🤩

38) : 7th place in PCS6

I played bad this tournament, next tournament I play good yes?

yes

39) : 7th place in PCS6Europe . Happy and sad at the same time. Played so much better than in GLOO T, but still at the same time we…

40) : It was close at the top, but are your CHAMPIONS OF PCS6 EUROPE! 🥳

They walk away with $60,000 and 450 PGC…

41) What an intense ending for PCS6 😆

We finish 7th on the leaderboard with $10,000 and 90 PGC Points in the bag. GGWP boys 👏

EZ4ENCE PUBGEsports

In [529]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : 2-0 PGLMajor
Playing tommorow next game for 3-0
Ggwp

2) WELL HELLO THERE RANK 3

3) : 1-0 PGLMajor
Next game against Outsiders today

4) : Won 16-7 in our opening match against GG WP
We will face Outsiders for the next game pretty soon so stay tuned

EZ…

5) W to start it off 🔥 GG

Another game later today, stay tuned.

EZ4ENCE PGLMajor

6) _EKI_I: New videooo!

Finnish Toronto Maple Leafs Reacts to Game 4 vs Tampa Bay Lightning

🎥

7) Match pause well spent creating art

8) Road to Antwerp BE began in Bucharest RO

Behind the Scenes episode now on YouTube!

📺

EZ4ENCE PGLRMR PGLMajor

9) : Today is game day! 💪

Time for me to make my PGLMajor debut with the boys, feeling ready to give this all I've got! Se…

10) : GG`s
We improved our gameplay from the last tournament
but that's not good enough. Still a lot work to do before next …

In [530]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) hadEZ4ENCE

2) The God of the Underworld is here to stay; has extended his contract with ENCE through 2022 an d 2023 🔥

📰

EZ4ENCE

3) Fight for the Legends Stage.

🆚
🕐 19:15 EEST / 18:15 CEST

EZ4ENCE PGLMajor

4) _EKI_I: Road to NHLGWC 2022 - Episode 17 | TEAM DRAFT

🎥

5) POLSKA GUROM

6) : Will play tomorrow for the LEGEND spot at 18:15 CET, lets go for this 3-0 ❤️

7) ENCE 1 vs ENCE (G)2 it is!

EZ4ENCE PGLMajor

8)

9) : Playing against G2 tommorow for 3-0 spot.

I have them as 3-0in pickem so its win-win situation no matter what happens 😂

10) The "a" in Snappi stands for Ace 🎡

11) : 2-0
PGLMajor
EZ4ENCE

12) Dominant starting day 💪 GGWP

We’re now 2-0 and continue tomorrow with a Bo3.

EZ4ENCE PGLMajor

13) 😉

EZ4ENCE PGLMajor

14) SNAPPIII ACE

15) no chill

16) hadEZ to save the day!

EZ4ENCE PGLMajor

17) On it!

18) de_hades

19) It's seemingly EZ4ENCE 🔥

20) maybe they just searching for you ⍰

21) Looking to go 2-0 🔍

Facing Outsiders after the forZe vs BNE match ends.

EZ4ENCE PGLMajor

22) We're gonna run out of number puns like this 😭

23) Sidequest completed ☑

24) : 🙂

25) GL trying to kill Zyw0o

26) Script leaked: gonna start all the future Majors with a 30 bomb

27) A solid entrance 😚

28) The next banger will be against Outsiders at 20:30 EEST / 19:30 CEST 👊

EZ4ENCE PGLMajor

29) GG 🤝

30) Beast 🤪💨

31) : 1-0
PGLMajor
EZ4ENCE

32) . with the 30-bomb 🤪💨

33)

34) Joined ✅

35) : Spinx fanclub ✅✅

36)

37) GLHF 👊

38)

39) GG
-ENCE (G)2

40) Just couldn't say no for some reason

41) Last-minute roster shuffle with

42) HOL' UP?

43) The man, the myth, the ~~Legend~~ Challenger

44) _CSGO LETS GOOOOO

45) ╭∩ ◕_◕ ╮∩ EZ4ENCE energy ╭∩ ◕_◕ ╮∩

46) based

47) : The PGLMajor Antwerp begins today!

Who do you predict will be our PGL Champion? We think it will be one of the team…

48) Lets gooooo 🤠

49) PGLMAJOR DAY
PGLMAJOR DAY
PGLMAJOR DAY

QUESTION #2: NIPCS

Loading [MathJax]/extensions/Safe.js

In [380]:

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [381]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [382]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [383]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [531]:

```
posts= api.user_timeline(screen_name='NIPCS',count=100,tweet_mode='extended')
```

In [532]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) RT @NIP: Another Day, Another Opportunity 💯

 except for NA CS

2) Need a new knife, maybe a new AWP skin or a new jersey? 🤔
Here's your chance, we got you covered 😎

https://t.co/O633R36dFE

#BetwayAimChallenge https://t.co/OG8HpjbcCp

3) @ESLCS All the matches NA's gonna win this major:

4) NiKo straight up bullying Liquid 😂 #PGLMajor

5) @HLTVorg @_badnewseagles https://t.co/etcjgboiX2

6) @Renegades @inscsgo Welp https://t.co/yHY6KBAlS3

7) @_badnewseagles @rigoNcs @juanflatrooo LETS GO EAGLES ♡ https://t.co/eoGaj8t96g

8) MAJOR TIME BABY! Good luck to all teams playing today 💗 #PGLMajor

9) Tomorrow. #PGLMajor

10) Don't get scammed and trade your skins safe on @GamerpayGG.
Log in and check the total value of your inventory!

In [533]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[533]:

	Tweets
0	RT @NIP: Another Day, Another Opportunity💯\n\n...
1	Need a new knife, maybe a new AWP skin or a ne...
2	@ESLCS All the matches NA's gonna win this major:
3	NiKo straight up bullying Liquid 😂 #PGLMajor
4	@HLTVorg @_badnewseagles https://t.co/etcjgboiX2
...	...
95	@FURIA_USA @_badnewseagles @hampuscsgo 👀👉👉
96	@BLASTPremier @REZcsgo @BetwayCSGO https://t.c...
97	@djLCSGO @_badnewseagles Well said 👍

	Tweets
98	RT @djLCSGO: We won\nGood game @_badnewseagles
99	@poompze @REZcsgo @BetwayCSGO MVP of our hearts 💚

100 rows × 1 columns

In [534]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [535]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [536]:

```
df
```

Out[536]:

	Tweets
0	: Another Day, Another Opportunity💯\n\n except...
1	Need a new knife, maybe a new AWP skin or a ne...
2	All the matches NA's gonna win this major:
3	NiKo straight up bullying Liquid 😂 PGLMajor
4	@_badnewseagles
...	...
95	_USA @_badnewseagles 👀👉👉
96	

	Tweets
97	@_badnewseagles Well said 👍
98	: We won\nGood game @_badnewseagles
99	MVP of our hearts 💚

100 rows × 1 columns

In [537]:

```
analysis=TextBlob("Today was the best day ")
```

In [538]:

```
analysis.sentiment
```

Out[538]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [539]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [540]:

```
df
```

Out[540]:

	Tweets	Subjectivity	Polarity
0	: Another Day, Another Opportunity💯\n\n except...	0.000000	0.000000
1	Need a new knife, maybe a new AWP skin or a ne...	0.454545	0.136364
2	All the matches NA's gonna win this major:	0.450000	0.431250
3	NiKo straight up bullying Liquid 😂 PGLMajor	0.400000	0.200000

	Tweets	Subjectivity	Polarity
4	@_badnewseagles	0.000000	0.000000
...	...	...	...
95	_USA @_badnewseagles 👀👉👉	0.000000	0.000000
96		0.000000	0.000000
97	@_badnewseagles Well said 👍	0.000000	0.000000
98	: We won\nGood game @_badnewseagles	0.500000	0.150000
99	MVP of our hearts 💚	0.000000	0.000000

100 rows × 3 columns

In [ ]:

In [541]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
    if score<0:
        return 'Negative'
    elif score==0:
        return 'Neutral'
    else:
        return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[541]:

	Tweets	Subjectivity	Polarity	Analysis
0	: Another Day, Another Opportunity💯\n\n except...	0.000000	0.000000	Neutral
1	Need a new knife, maybe a new AWP skin or a ne...	0.454545	0.136364	Positive

	Tweets	Subjectivity	Polarity	Analysis
2	All the matches NA's gonna win this major:	0.450000	0.431250	Positive
3	NiKo straight up bullying Liquid 😂 PGLMajor	0.400000	0.200000	Positive
4	@_badnewseagles	0.000000	0.000000	Neutral
...	...	...	...	...
95	_USA @_badnewseagles 👀👉👉	0.000000	0.000000	Neutral
96		0.000000	0.000000	Neutral
97	@_badnewseagles Well said 👍	0.000000	0.000000	Neutral
98	: We won\nGood game @_badnewseagles	0.500000	0.150000	Positive
99	MVP of our hearts 💚	0.000000	0.000000	Neutral

100 rows × 4 columns

In [542]:

```
df[df['Analysis']=='Neutral']
```

Out[542]:

	Tweets	Subjectivity	Polarity	Analysis
0	: Another Day, Another Opportunity💯\n\n except...	0.0	0.0	Neutral
4	@_badnewseagles	0.0	0.0	Neutral
5	Welp	0.0	0.0	Neutral
6	@_badnewseagles LETS GO EAGLES ❤️	0.0	0.0	Neutral
8	Tomorrow. PGLMajor	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
...	...	...	...	...
94		0.0	0.0	Neutral
95	_USA @_badnewseagles 👀👉👉	0.0	0.0	Neutral
96		0.0	0.0	Neutral
97	@_badnewseagles Well said 👍	0.0	0.0	Neutral
99	MVP of our hearts 💚	0.0	0.0	Neutral

70 rows × 4 columns

In [543]:

```
df['Analysis'].value_counts()
```

Out[543]:

```
Neutral     70
Positive    27
Negative     3
Name: Analysis, dtype: int64
```

In [544]:

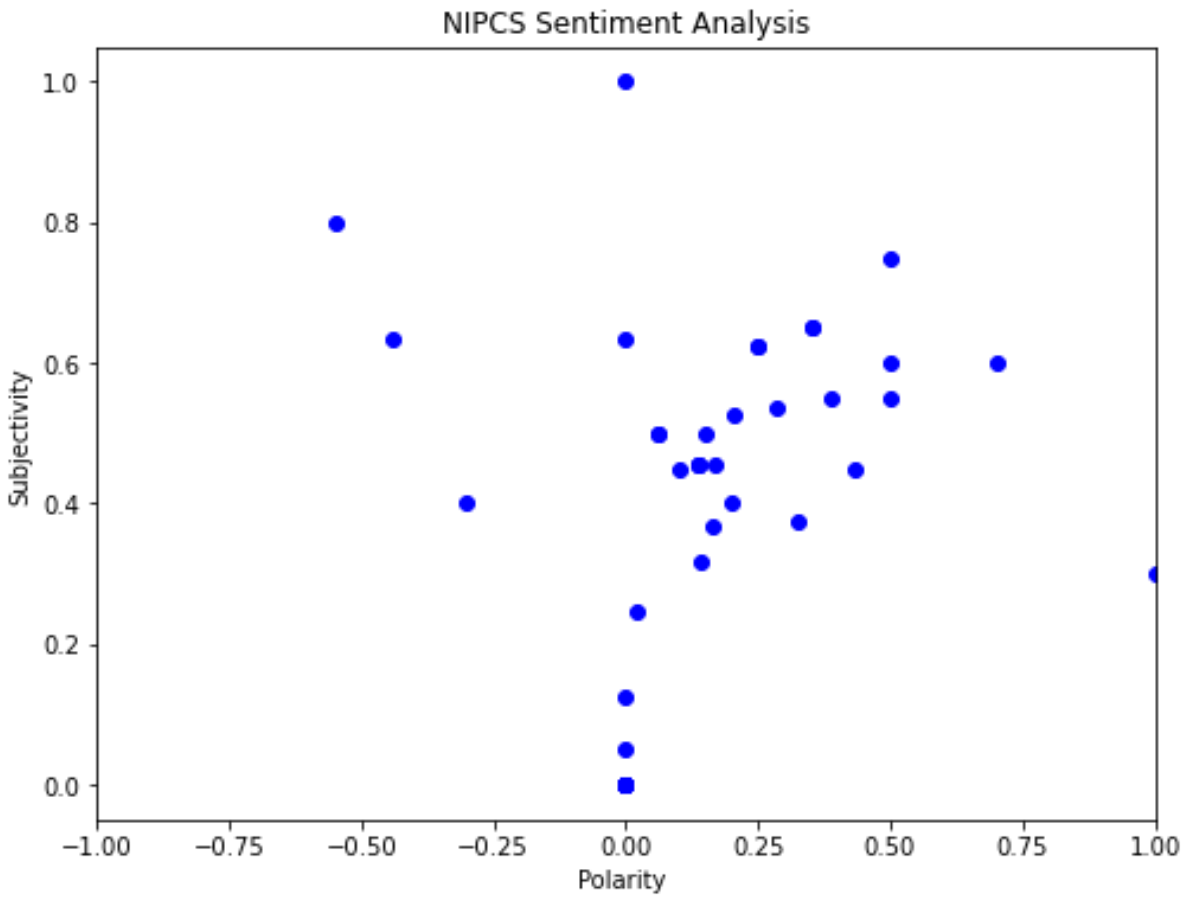
```
df.shape
```

Out[544]:

```
(100, 4)
```

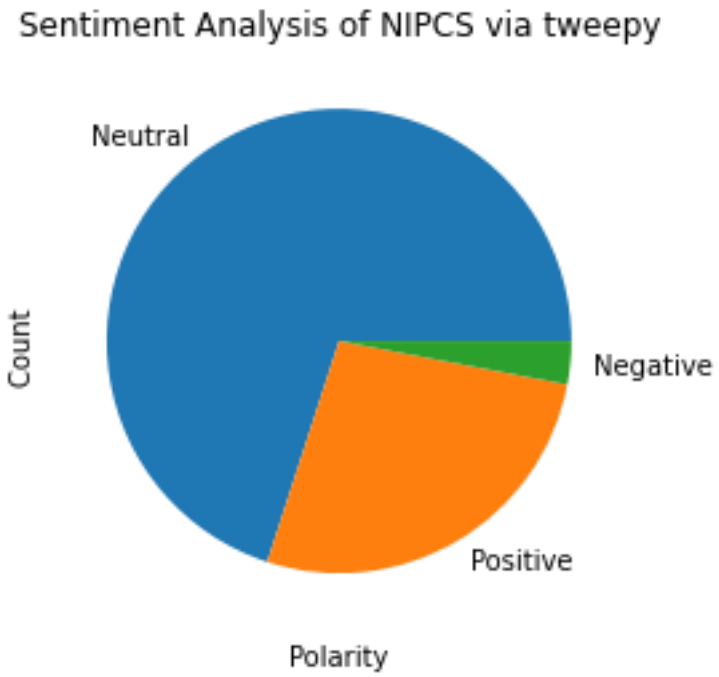
In [545]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("NIPCS Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



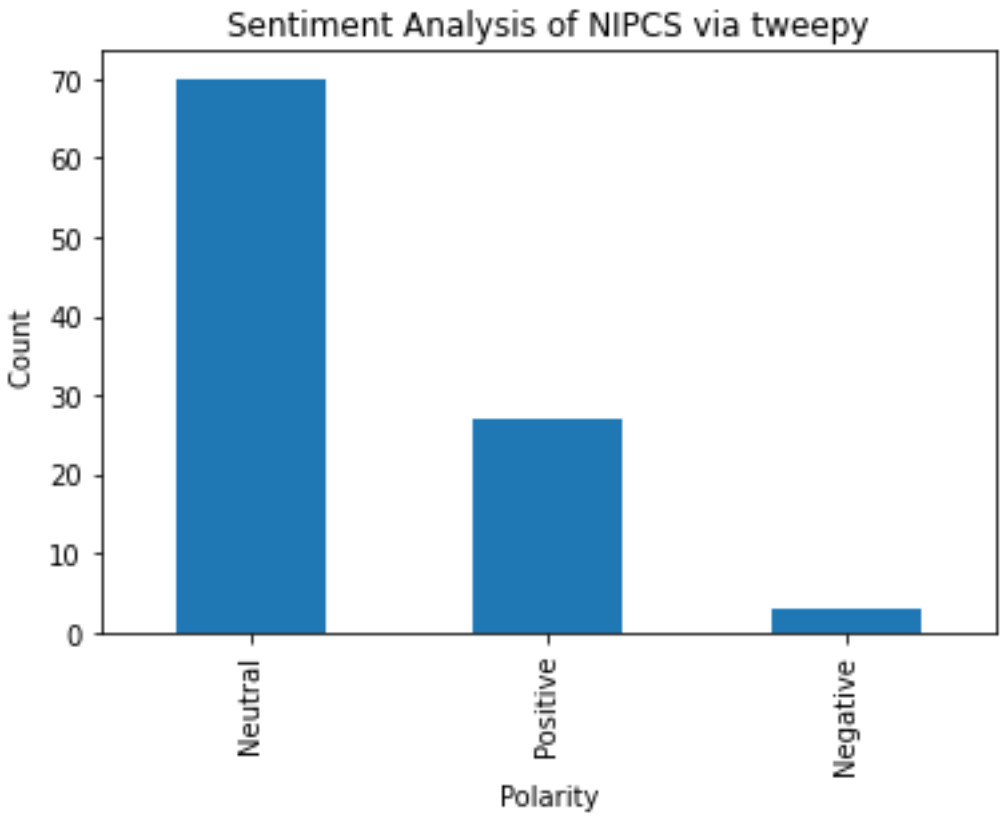
In [547]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of NIPCS via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [548]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of NIPCS via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [549]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Need a new knife, maybe a new AWP skin or a new jersey? 🤔
Here's your chance, we got you covered 😎

BetwayAimChallenge

2) All the matches NA's gonna win this major:

3) NiKo straight up bullying Liquid 😂 PGLMajor

4) MAJOR TIME BABY! Good luck to all teams playing today 💜 PGLMajor

5) Don't get scammed and trade your skins safe on .
Log in and check the total value of your inventory!

6) THAT'S SO COOL 💜 😟

7) Tag 1 good teammate and 1 bad one but don't say who is who 😘 👇

8) Trade your skins safely with

also for minors age 13 and up ✅

Log in and check the total value of your inventory!

9) MAJOR > LISBON

10) Who is already in ✨ Major Mood ✨

11) : A dream come true ⍰

Took me 15,251 hours to get there, but damn the journey was worth it 🙏

12) : NEW STICKER POGGGGGGGG =PPPPP

13) : ayyy I got a new design for my 2nd sticker, hope yall like it!!

Show me some cool crafts :DDD

14) : New design, hope u like it😁

Show me your crafts!

15) Even the Kato 2014 😍 Cool craft 💜

16) Lovely indeed

17) : best stickers ever? 😍

18) Show us your new Sticker Crafts 😍 GONINJAS

19) It is scientifically proven that if you put stickers on your AK you will get at least 48% better 😎
Or at least that's what I tell myself

20) Good morning, 👌 Stickers when?

21) Full Focus for major 💜💜

22) TECHNICALLY.. he was right

23) Pictures taken right before disaster

24) **BETWAY PREDICTION TIME**

How much Utility Damage will do in todays match? Vote down below ↓

25) : How really plays CSGO ft.

P.S I thought he was gonna fly out of my monitor thus my camerawork https…

26) ┌─┐
│ │ /\ In this
│ //\\ house
// ∩ \\ we love
┐ └─┘ ┌ & appreciate
/──────────\
Scrawny & launders
// ┌─┐ ∩ ┌─┐ \\
┐ └─┘ │ │ └─┘ ┌

27) : We won
Good game @_badnewseagles

In [550]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : gg's Astralis we out from blast showdown, terrible game from us :/

2) : Just a terrible game from us.... Looking forward for some practice before the major! Ggs

3) AT LEAST NO 0:16 😮👊

GG's

In [551]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : Another Day, Another Opportunity💯

except for NA CS

2) @_badnewseagles

3) Welp

4) @_badnewseagles LETS GO EAGLES ♡

5) Tomorrow. PGLMajor

6) : Hey asked and here it is! I hope you like it! 🔥👊👍

7) B R O L L A N 👀 🔥

8) This is beatiful 😍

9)

10) There's only one choice 💨

11) Soo.. Who do we cheer for in Challengers Stage? 🤔PGLMajor

12) EZ 😎

13) : Stuck for a team to support during the PGLMAJOR? 👀

Then stop the mystic GIF below and you'll find out which team you shou…

14) _ BNETOTHEMOON 🚀

15) BNE TO THE MOON 🚀🚀

16) What are your Pick'ems looking like? 🤔

17) When are you playing again?

18) 🤑

19) DESERVED 👑

20) 😍💜

21) Strike, when no one is looking ⍰

_cs

22)

23) : 🏆 **PGL ANTWERP MAJOR FAVOURITES** - NIP 🏆

have come into the PGLMajor with added firepower after the addition of …

24) : Lets gooo!!😍🥳
Show me your crafts! GONINJAS

25) F

26) Agreed

27) S T I C K E R S ╭⊃ ◕_◕ ⊂╮

28) 😍😍

29) AND BROLLAN

30) AND ES3TAG

31) AND PLOPSKI

32) AND REZ!

33) SHOW HAMPUS STICKER!!!!

34) where

35)

36) Let's end this once and for all: P2000 𝕍𝕊 USP-S 🤔

37) _USA Same

38) oi

39) _aimbot101 StIcKeRs WhEn

40)

41) welp gg go next 💟

42) : gg xd

43) . yeah... Here, take this one 🙃

44) _cs 🙃

45) THIS IS NOT LOST YET BLASTPremier

46) Mood BLASTPremier

47) When does NIP play? BLASTPremier

48) ANY BELIEVERS?
🙏 OT 🙏 OT 🙏 OT 🙏 OT 🙏 OT 🙏 OT 🙏 OT 🙏 OT 🙏 OT 🙏 OT 🙏 OT 🙏 OT 🙏 OT 🙏 O
T

49) Alright.. mayyybe we'll need 3 maps today 🤔

50) R E Z
E
Z

51) Uhhhh

52) _tv

53) _rett58 HAM🅱US

54) Hampus with the GIGA JINX.

55) VOTE HERE:

56) BATTLE OF THE NORDICS SEDK

BLASTPremier

57) : GAMEDAY
Playing today at 16.30CET
GONINJAS

58) Hey 👌 See ya later

59) : Don't think my german friend from BIG can be faster than me. Let's find out 🤔
BetwayAimChallenge

Download here: h…

60) : No way can beat that record time 😄
BetwayAimChallenge

Download here:

61) Hampus + Deagle = ☠ ☠ ☠

62) GIGACHAD DJL

63) : During our timeout in Inferno, said "Guys, im gonna save a screenshot here and then look back at the picture after th…

64) 😂😂

65) You too MR. EZ! See you tomorrow 🔥

66)

67) _USA @_badnewseagles 👀👉👉

68)

69) @_badnewseagles Well said 👍

70) MVP of our hearts 💙

QUESTION #2: CLOUD9

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [381]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [382]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [383]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [552]:

```
posts= api.user_timeline(screen_name='Cloud9',count=100,tweet_mode='extended')
```

In [553]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) RT @C9LoL: It's definitely a #T1WIN tonight 😵

@T1LoL @BMWEsports #UnitedInRivalry https://t.co/j4jOg0Tr1r

2) @lolesports LET'S GOOOOOOOO https://t.co/Zb9psAUWfw

3) Catch the action with the Dutch angle https://t.co/pDWv7NCQV8

4) Can't believe Cody tried to fight our $50,000 camera live on stream 😩 these guys are goin crazy h
ttps://t.co/tMZ17g5jM4

5) mang0.5 is live! A full night of practice with #SmashSummit's top competitors 💪

Catch all the action on @C9Mang0's stream > https://t.co/pDWv7NCQV8 https://t.co/HZHc1yu45
A

6) RT @C9LoL: It’s not fate, but Destiny that reunites the AU bot lane after three years.

Joining @k1ngYB in the C9 Academy Bot Lane, welcome…

7) RT @C9LoL: Another diamond in the rough has come to play.

Please welcome the king of Solo Queue, @sheidenlol, to Cloud9 Academy! https://t…

8) VOD reviews are going well, can't wait for #VCT Challengers 2 🤣🤣 https://t.co/wGw7PeTwnU

9) The 9s presented by @ATT is back with a brand new format!

Tune in for C9 Valorant’s roundtable looking back at #VCT Challengers 1 and toward the upcoming C hallengers 2!

🔘 https://t.co/LAQaUAf8Vq https://t.co/D1RaRGwTNe

10) @Feyrir Tonight in Pacific, sorry 😅

In [554]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[554]:

	Tweets
0	RT @C9LoL: It's definitely a #T1WIN tonight 😳\...
1	@lolesports LET'S GOOOOOOOO https://t.co/Zb9ps...
2	Catch the action with the Dutch angle https://...
3	Can't believe Cody tried to fight our $50,000 ...
4	mang0.5 is live! A full night of practice with...
...	...
95	RT @C9LoL: Today we part ways with Summit, Win...
96	RT @C9Stratus: Next @Cloud9 x STRATUS Event wh...

	Tweets
97	@RLEsports Let's go Ex-Queso!
98	us Happy birthday to the Twitch Rivals Champio...
99	A LAN tradition\n🎽🤝 @RC_REJECT \n🎽🤝 @FENNEL_of...

100 rows × 1 columns

In [555]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#","",text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [556]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [557]:

```
df
```

Out[557]:

	Tweets
0	: It's definitely a T1WIN tonight 😳\n\n Unite...
1	LET'S GOOOOOOOO
2	Catch the action with the Dutch angle
3	Can't believe Cody tried to fight our $50,000 ...
4	mang0.5 is live! A full night of practice with...
...	...
95	: Today we part ways with Summit, Winsome, and...

	Tweets
96	: Next x STRATUS Event when?!\n\n(Peep demol...
97	Let's go Ex-Queso!
98	us Happy birthday to the Twitch Rivals Champio...
99	A LAN tradition\n🎽🧡 _REJECT \n🎽🧡 _official

100 rows × 1 columns

In [558]:

```
analysis=TextBlob("Today was the best day ")
```

In [559]:

```
analysis.sentiment
```

Out[559]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [560]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [561]:

```
df
```

Out[561]:

	Tweets	Subjectivity	Polarity
0	: It's definitely a T1WIN tonight 😳\n\n Unite...	0.500000	0.000000
1	LET'S GOOOOOOOO	0.000000	0.000000
2	Catch the action with the Dutch angle	0.100000	0.100000

	Tweets	Subjectivity	Polarity
3	Can't believe Cody tried to fight our $50,000 ...	0.700000	-0.231818
4	mang0.5 is live! A full night of practice with...	0.412500	0.280114
...	...	...	...
95	: Today we part ways with Summit, Winsome, and...	0.583333	0.283333
96	: Next x STRATUS Event when?!\n\n(Peep demol...	0.000000	0.000000
97	Let's go Ex-Queso!	0.000000	0.000000
98	us Happy birthday to the Twitch Rivals Champio...	0.833333	0.693750
99	A LAN tradition\n🎽🤝 _REJECT \n🎽🤝 _official	0.000000	0.000000

100 rows × 3 columns

In [ ]:

In [562]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
   if score<0:
      return 'Negative'
   elif score==0:
      return 'Neutral'
   else:
      return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[562]:

	Tweets	Subjectivity	Polarity	Analysis
0	: It's definitely a T1WIN tonight 😳\n\n Unite...	0.500000	0.000000	Neutral

	Tweets	Subjectivity	Polarity	Analysis
1	LET'S GOOOOOOOO	0.000000	0.000000	Neutral
2	Catch the action with the Dutch angle	0.100000	0.100000	Positive
3	Can't believe Cody tried to fight our $50,000 ...	0.700000	-0.231818	Negative
4	mang0.5 is live! A full night of practice with...	0.412500	0.280114	Positive
...	...	...	...	...
95	: Today we part ways with Summit, Winsome, and...	0.583333	0.283333	Positive
96	: Next x STRATUS Event when?!\n\n(Peep demol...	0.000000	0.000000	Neutral
97	Let's go Ex-Queso!	0.000000	0.000000	Neutral
98	us Happy birthday to the Twitch Rivals Champio...	0.833333	0.693750	Positive
99	A LAN tradition\n🎽🧡 _REJECT \n🎽🧡 _official	0.000000	0.000000	Neutral

100 rows × 4 columns

In [563]:

```
df[df['Analysis']=='Neutral']
```

Out[563]:

	Tweets	Subjectivity	Polarity	Analysis
0	: It's definitely a T1WIN tonight 😳\n\n Unite...	0.500000	0.0	Neutral
1	LET'S GOOOOOOOO	0.000000	0.0	Neutral
5	: It’s not fate, but Destiny that reunites the...	0.000000	0.0	Neutral
7	VOD reviews are going well, can't wait for VCT...	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
14	THE GATES ARE OPEN 😱\n\nAn Off-Season Fire Sal...	0.750000	0.0	Neutral
15	You again.	0.000000	0.0	Neutral
21	_ On the 100th day	0.000000	0.0	Neutral
22	Ayo? 👀	0.000000	0.0	Neutral
30	With a 11-13 nailbiter Split loss, C9 White fa...	0.250000	0.0	Neutral
31	o-oh 😐 UnitedInRivalry	0.000000	0.0	Neutral
35	C9 White fall 1-2 to and fall to the lower br...	0.166667	0.0	Neutral
38	The C9 preset 😍	0.000000	0.0	Neutral
41	W	0.000000	0.0	Neutral
42	_demon	0.000000	0.0	Neutral
46	_dart _Dro _na 😀	0.000000	0.0	Neutral
47	: GG's today 2-1 vs Team TEN-5 & 2-0 Team ...	0.000000	0.0	Neutral
48	_Dro: plz no day 2 curse	0.000000	0.0	Neutral
51	RUN KATSUMI RUN!\n\n | LETSGOC9	0.000000	0.0	Neutral
56	GGs, guys!	0.000000	0.0	Neutral
57	👀	0.000000	0.0	Neutral
59	C9 White is starting up another run through VC...	0.200000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
60	they just couldn't get enough	0.500000	0.0	Neutral
61		0.000000	0.0	Neutral
62	Manifesting a big day for C9 White in today's ...	0.200000	0.0	Neutral
64	Anakin, the of Star Wars?\n\nNot the Mang0 Ap...	0.000000	0.0	Neutral
65	: \n\nMAY THE 4TH \n\nEPISODE 3	0.000000	0.0	Neutral
67	_Royal1	0.000000	0.0	Neutral
68	_Man0_0 yeah back off	0.000000	0.0	Neutral
69	Clood9	0.000000	0.0	Neutral
73	thinking emoji	0.000000	0.0	Neutral
74	: ❤️🔥	0.000000	0.0	Neutral
75	: Yeahh booy 🔥💙🔥\n\n \nc9win	0.000000	0.0	Neutral
76	W MOMENT	0.000000	0.0	Neutral
77	Beauty	0.000000	0.0	Neutral
78	: Got the gold	0.000000	0.0	Neutral
80	WE ARE BACK! 🤩	0.000000	0.0	Neutral
81	LET'S GOOOOOO	0.000000	0.0	Neutral
83	W	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
84	Ricky "floppy" Kemery	0.000000	0.0	Neutral
85	but you deserve this ratio	0.000000	0.0	Neutral
86	So... C9 Stickers? 👀	0.000000	0.0	Neutral
89	That C9 Blue though 😩	0.100000	0.0	Neutral
91	hi	0.000000	0.0	Neutral
96	: Next x STRATUS Event when?!\n\n(Peep demol...	0.000000	0.0	Neutral
97	Let's go Ex-Queso!	0.000000	0.0	Neutral
99	A LAN tradition\n🎽🤝 _REJECT \n🎽🤝 _official	0.000000	0.0	Neutral

In [564]:

```
df['Analysis'].value_counts()
```

Out[564]:

```
Neutral     46
Positive    44
Negative    10
Name: Analysis, dtype: int64
```

In [565]:

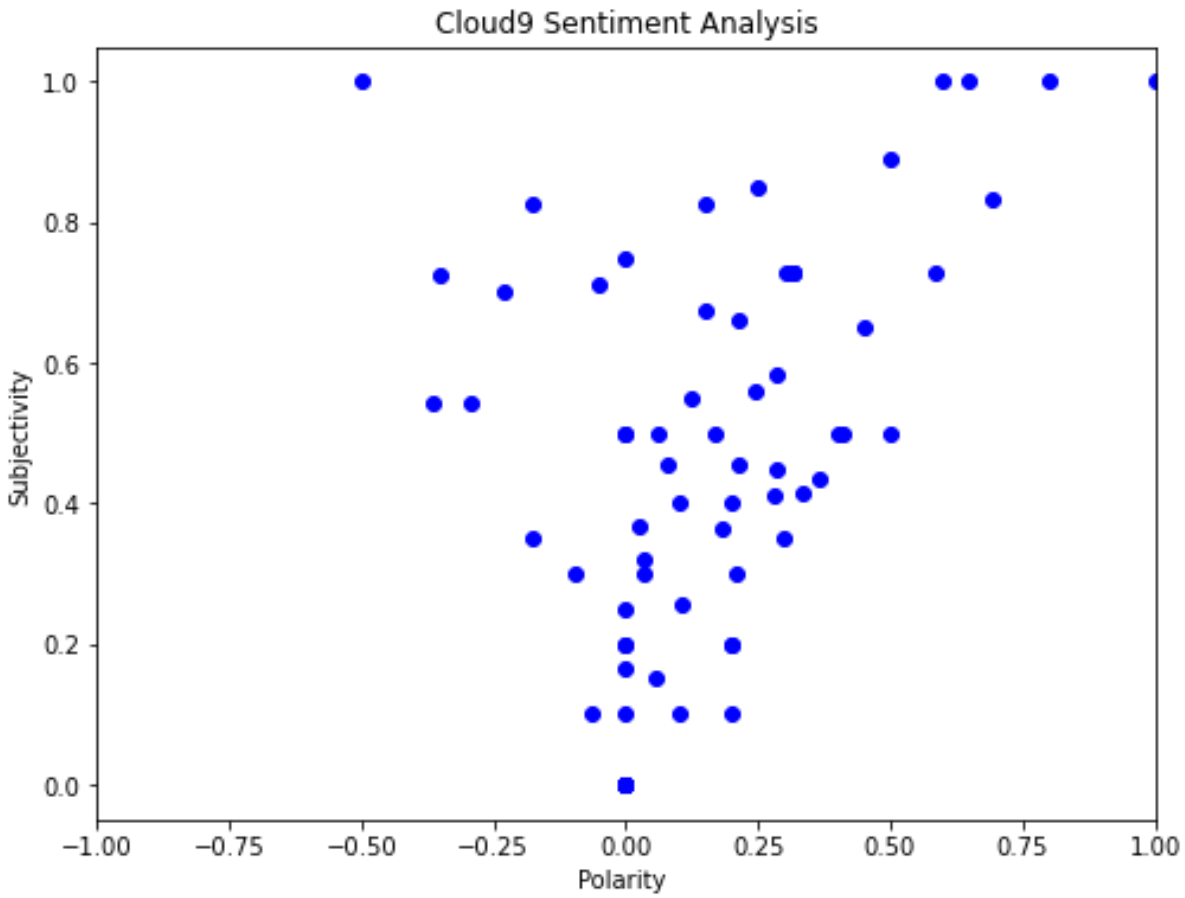
```
df.shape
```

Out[565]:

```
(100, 4)
```

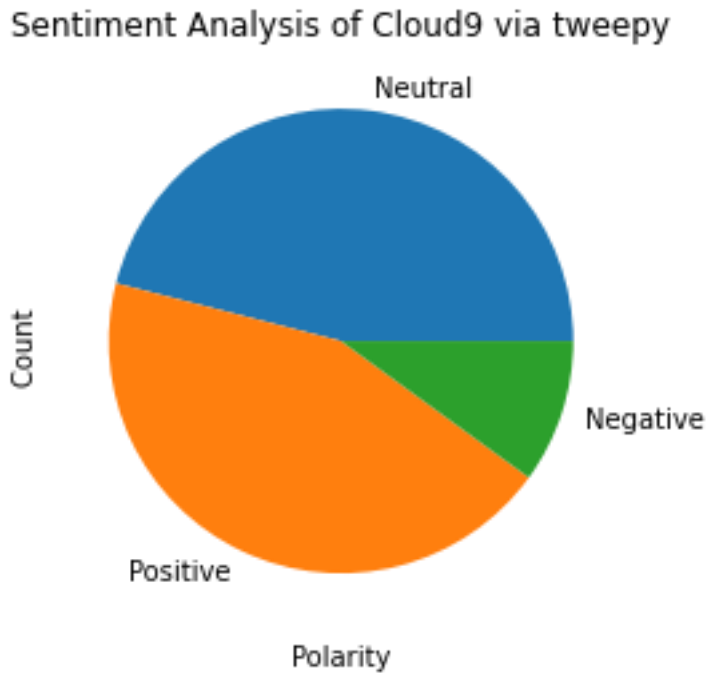
In [566]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("Cloud9 Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



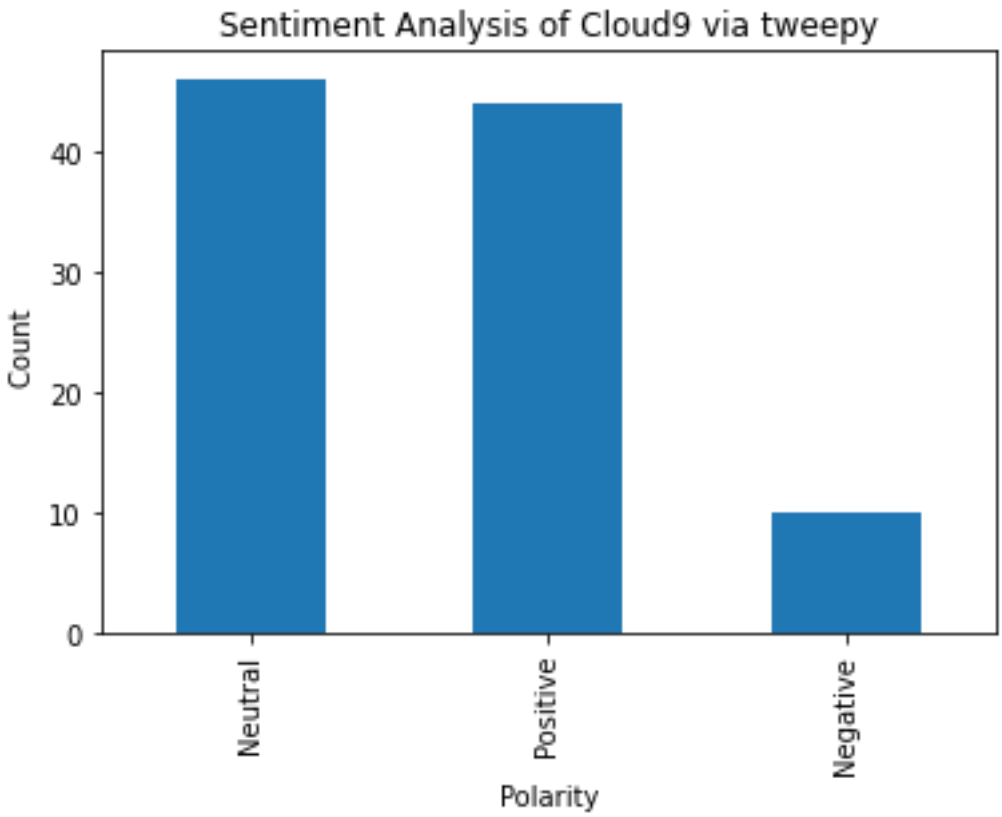
In [568]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of Cloud9 via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [569]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of Cloud9 via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [570]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Catch the action with the Dutch angle

2) mang0.5 is live! A full night of practice with SmashSummit's top competitors 💪

Catch all the action on 's stream >

3) : Another diamond in the rough has come to play.

Please welcome the king of Solo Queue, , to Cloud9 Academy!

4) The 9s presented by is back with a brand new format!

Tune in for C9 Valorant's roundtable looking back at VCT Challengers 1 and toward the upcoming Ch allengers 2!

🌑

5) : Let's be there for each other right now. Thank you for sharing your experience and encouraging people to Press Pla…

6) As for that shirt… We'll have some more details about its design a little later 👀 for now, all you n eed to know is that it'll be a limited run, available tomorrow through the 13th!

7) Time to boot up the CRTs 📺 mang0.5 kicks off tonight, with SmashSummit practice games all nig ht long!

We'll cap things off tomorrow with a friendly 2-stock tourney, with a $500 grand prize on the line 💰

Main stream:
Alt POV:

8) _marcell Orders over $100 still have free international shipping to EU!

9) This "Sentinels" team coming from the Loser Bracket looks promising. Maybe with more practice, they can become something in NA!

10) Wishing everyone a Happy Mother's Day today! 😌

📸

11) Things are getting interesting... Welcome back to the main event 😈

12) : 🎃ANNIVERSARY EVENT - MAY 17TH 4PM EST🎃

✨celebrating one year of your favorite cosmic dragon
✨brand new model
✨animated…

13) : showing off my new hoodie hehe :3

ranked gaming at

14) What's got reacting like this? 🤣

Find out Monday at 2pm PDT in an all new episode of The 9s presented by with the C9 Valorant tea m!

See you there!
9️⃣9️⃣

15) Happy birthday MrBeast

16) : sucks to get so close and lose but so proud of my team for getting this far, can only go up from here

sidenote: my knees HU…

17) : GGWP we lose to 1-2 to , we out of VCTNA qual

heartbroken from this loss, but we've improved so much. ive nev…

18) C9 White even up the series 1-1 vs. Team Mystic to stay alive in VCT Open Qualifier 2!

We're headed to map 3 to decide it! LETSGOC9
(no stream 😔)

19) : just here for my impressions make sure to like + RT

20) NA VALORANT is wild

21) C9 White are currently 1-0 up vs. off-stream in VCT Open Qualifier 2!

One more win to secure top 16! LETSGOC9

22) : Introducing the STRATUS Store, your one-stop shop for 's finest fan apparel:

We're going live with limited re-releas…

23) : Form and function. Light and dark. Blend style and function with the all-new Secretlab MAGRGB ™ Diffused LED Strip (Sma…

24) An IGL that can call strats and guess your ranks 😍

C9 Valorant continues to try their best in the latest episode of Guess the Rank!
🥇 Full video:

25) : hiii, just went LIVE♡♡

Road to 100k followers😟

RTS and tabs appreciated

—— ——

26) : Made it to day two of VCT yay😂 Feeling very confident going into tomorrow

27) : GGs vs TEN-5 vs ONi, we make it to day 2 of VCT :D Top 32 agane, we play DarkZero tomorrow!

super excited for this match, b…

28) : GG's we move onto day 2 of VCT
We play tomorrow first round

29) Top 32 🔒 C9 White lock it up and advance through the Open Qualifiers!

We'll have more matches tomorrow starting at 3PM PDT. Thanks for cheering us on! C9WIN

30) Live now! LETSGOC9

31) _qick NICE

32) : Training Grounds Gym is where you can level up your game, connect with new friends, and achi eve your personal best. Our membe…

33) uh... thanks?

34) @_KaNiG hot

35) _: i got the best glitter sticker in the game 😍😍

36) : Today we are releasing the Major stickers, which include paper, all-new glitter, holo, and gold s tickers for teams an…

37) Gear up, Spartans! ⍰

The Season 2 of the Halo Infinite Skins is live! Rep Cloud9 in-game by purchasing the C9 Bundle in-ga me available now 💪

38) Top secret Cypher tech from 🥺

Learn cam spots, trap lineups, and more in her ultimate Cypher guide for Haven - presented by ! 🎥

39) : Season 2 of HaloInfinite has arrived! Hop in now and support your favorite HCS Partnered Team s by grabbing their brand new bundle…

40) Introducing Gym - a brand new monthly membership with exclusive access to unique learning co ntent, gameplay, and networking!

⚔ Sign up today:

41) Enjoy your Tuesday

42) : As we continue to finalize our offseason, we will be making announcements and explain more a bout the roster changes in the comin…

43) : Today we part ways with Summit, Winsome, and Isles. With this, the three become free agents.

It's been a wild split full of ups…

44) US Happy birthday to the Twitch Rivals Champion and most charismatic Streamer on Twitch, !

BR Feliz aniversário pro Streamer mais carismático da Twitch e Campeão do Twitch Rivals, DK!

In [571]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Can't believe Cody tried to fight our $50,000 camera live on stream 😩 these guys are goin crazy

2) Tonight in Pacific, sorry 😅

3) _ _na How hard are they working? Show strats?

4) : After a long day of Valorant we take our exit out of vct
(1-2) DZ
(1-2) TM

Sucks to go out when it feels so close but re…

5) : lost 1-2 to and we’re out of VCTNA. Really fucking hurts I wanted to be able to play again tomorr ow so bad…

6) Catchin' em with their backs turned 🙈 a hard fought C9WIN puts us up 1-0!

Map 2 coming up soon >

7) That's and ! (We normally tag them in the photo but forgot on this one, sorry)

8) We're through to the second round! C9 White will be on stream for our next match vs ONi > C 9WIN

9) :

ALMOST INSANELY CRACKED AGAIN

random game after melee :)

10) : Everyone can use a little extra support. Congrats on your Oscar and thank you for encouraging people to talk about t…

In [572]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : It's definitely a T1WIN tonight 😳

UnitedInRivalry

2) LET'S GOOOOOOOO

3) : It’s not fate, but Destiny that reunites the AU bot lane after three years.

Joining in the C9 Academy Bot Lane, welcome…

4) VOD reviews are going well, can't wait for VCT Challengers 2 🤣🤣

5) THE GATES ARE OPEN 😱

An Off-Season Fire Sale is upon us! Select items are now on sale for 40% off - this week only!

🛒

6) You again.

7) _ On the 100th day

8) Ayo? 👀

9) With a 11-13 nailbiter Split loss, C9 White fall to Team Mystic and are eliminated from VCT Open Qualifier 2 😭

10) o-oh 😳 UnitedInRivalry

11) C9 White fall 1-2 to and fall to the lower bracket of VCT Open Qualifier 2 😔

They play vs. Team Mystic next in just a bit!

12) The C9 preset 😍

13) W

14) _demon

15) _dart _Dro _na 🤐

16) : GG's today 2-1 vs Team TEN-5 & 2-0 Team ONi. We onto Day 2 VCT RUN IT BACK

17) _Dro: plz no day 2 curse

18) RUN KATSUMI RUN!

| LETSGOC9

19) GGs, guys!

20) 👀

21) C9 White is starting up another run through VCT Open Qualifiers!

We're off-stream for now, but we'll update with scores and streamed matches as they come up thro ughout the day. LETSGOC9

22) they just couldn't get enough

23)

24) Manifesting a big day for C9 White in today's Open Qualifiers 🙏

25) Anakin, the of Star Wars?

Not the Mang0 Approach 😭 MayThe4th

26) :

MAY THE 4TH

EPISODE 3

27) _Royal1

28) _Man0_0 yeah back off

29) Clood9

30) thinking emoji

31) : ♡🔥

32) : Yeahh booy 🔥💖🔥

c9win

33) W MOMENT

34) Beauty

35) : Got the gold

36) WE ARE BACK! 🤩

37) LET'S GOOOOOO

38) W

39) Ricky "floppy" Kemery

40) but you deserve this ratio

41) So... C9 Stickers? 👀

42) That C9 Blue though 😩

43) hi

44) : Next x STRATUS Event when?!

(Peep demolishing some pizza)

45) Let's go Ex-Queso!

46) A LAN tradition
📝🤝 _REJECT
📝🤝 _official

QUESTION #2: TEAMVITALITY

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [381]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [382]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [383]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [573]:

```
posts= api.user_timeline(screen_name='TeamVitality',count=100,tweet_mode='extended')
```

In [574]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) POV you're ForZe https://t.co/ZjvgW4ytX6

2) @MarvL91 @forzegg @zywoo @MagiskCS @Vitality_apEX @misutaaaCSGO @dupreeh https://t.co/MfwginhttU

3) LEGENDS SPOT WE'RE COMING #VITWIN

⏲ 14:30 vs @forzegg https://t.co/SyNjdMdJRE

4) @LittleBigWhale @zywoo @misutaaaCSGO @Vitality_apEX @dupreeh @MagiskCS @zonic @MaT_CSGO @MatthieuPECHE DES ROIS

5) 2-0 day #PGLMajor https://t.co/xPUSB9Tql2

6) LET'S GOOOOO 🔥🔥🔥

Three chances to qualify for the Legends Stage, come on guys! 💪 https://t.co/QJnYo9f3yH

7) MISUTIIIIIIME #PGLMajor https://t.co/rLsgWWoG2c

8) NOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO

first @zywoo death in this #PGLMajor

9) ZYWOO Infinite KD?

📺 https://t.co/Ptx3OXpevA https://t.co/4UMRPkjY0l

10) @LBD2BDS @J0keRD_ @nataNk1wnl Je sais pas mais toi tu vas l'apprendre

In [575]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[575]:

	Tweets
0	POV you're ForZe https://t.co/ZjvgW4ytX6
1	@MarvL91 @forzegg @zywoo @MagiskCS @Vitality_a...
2	LEGENDS SPOT WE'RE COMING #VITWIN\n\n⏰ 14:30 v...
3	@LittleBigWhale @zywoo @misutaaaCSGO @Vitality...
4	2-0 day #PGLMajor https://t.co/xPUSB9Tql2
...	...
95	AAAAH FLIKIFLOUUUU \n\nThe Major starts in 2 d...
96	@Sotsy_ @eaRyyz @Artoria_UwU @matiaslaclasse1 ...
97	@PodaSaiFN @Snayzyy So close, next one is ours 💛

	Tweets
98	RT @PodaSaiFN: 8th first week fncs w/@Snayzyy ...
99	LAST GAME!\n\nWE ARE TOP 4 WE CAN DO IT TO #FN...

100 rows × 1 columns

In [576]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [577]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [578]:

```
df
```

Out[578]:

	Tweets
0	POV you're ForZe
1	_apEX
2	LEGENDS SPOT WE'RE COMING VITWIN\n\n⏰ 14:30 vs
3	_apEX _CSGO DES ROIS
4	2-0 day PGLMajor
...	...
95	AAAAH FLIKIFLOUUUU \n\nThe Major starts in 2 d...
96	_ _UwU _Fara Quelle équipe de bg 🤬

	Tweets
97	So close, next one is ours 💛
98	: 8th first week fncs w/ ⍰
99	LAST GAME!\n\nWE ARE TOP 4 WE CAN DO IT TO FNC...

100 rows × 1 columns

In [579]:

```
analysis=TextBlob("Today was the best day ")
```

In [580]:

```
analysis.sentiment
```

Out[580]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [581]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [582]:

```
df
```

Out[582]:

	Tweets	Subjectivity	Polarity
0	POV you're ForZe	0.000000	0.00000
1	_apEX	0.000000	0.00000
2	LEGENDS SPOT WE'RE COMING VITWIN\n\n⏰ 14:30 vs	0.000000	0.00000
3	_apEX _CSGO DES ROIS	0.000000	0.00000

	Tweets	Subjectivity	Polarity
4	2-0 day PGLMajor	0.000000	0.00000
...	...	...	...
95	AAAAH FLIKIFLOUUUU \n\nThe Major starts in 2 d...	0.700000	0.48125
96	_ _UwU _Fara Quelle équipe de bg 🤬	0.000000	0.00000
97	So close, next one is ours 💛	0.000000	0.00000
98	: 8th first week fncs w/ ⍰	0.333333	0.25000
99	LAST GAME!\n\nWE ARE TOP 4 WE CAN DO IT TO FNC...	0.491667	0.12500

100 rows × 3 columns

In [ ]:

In [583]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
  if score<0:
    return 'Negative'
  elif score==0:
    return 'Neutral'
  else:
    return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[583]:

	Tweets	Subjectivity	Polarity	Analysis
0	POV you're ForZe	0.000000	0.00000	Neutral
1	_apEX	0.000000	0.00000	Neutral

	Tweets	Subjectivity	Polarity	Analysis
2	LEGENDS SPOT WE'RE COMING VITWIN\n\n⏰ 14:30 vs	0.000000	0.00000	Neutral
3	_apEX _CSGO DES ROIS	0.000000	0.00000	Neutral
4	2-0 day PGLMajor	0.000000	0.00000	Neutral
...	...	...	...	...
95	AAAAH FLIKIFLOUUUU \n\nThe Major starts in 2 d...	0.700000	0.48125	Positive
96	_ _UwU _Fara Quelle équipe de bg 😡	0.000000	0.00000	Neutral
97	So close, next one is ours 💛	0.000000	0.00000	Neutral
98	: 8th first week fncs w/ ⍰	0.333333	0.25000	Positive
99	LAST GAME!\n\nWE ARE TOP 4 WE CAN DO IT TO FNC...	0.491667	0.12500	Positive

100 rows × 4 columns

In [584]:

```
df[df['Analysis']=='Neutral']
```

Out[584]:

	Tweets	Subjectivity	Polarity	Analysis
0	POV you're ForZe	0.0	0.0	Neutral
1	_apEX	0.0	0.0	Neutral
2	LEGENDS SPOT WE'RE COMING VITWIN\n\n⏰ 14:30 vs	0.0	0.0	Neutral
3	_apEX _CSGO DES ROIS	0.0	0.0	Neutral
4	2-0 day PGLMajor	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
5	LET'S GOOOOO 🔥🔥🔥\n\nThree chances to qualify f...	0.0	0.0	Neutral
6	MISUTIIIIIIME PGLMajor	0.0	0.0	Neutral
8	ZYWOO Infinite KD?\n\n📺	0.0	0.0	Neutral
9	_ Je sais pas mais toi tu vas l'apprendre	0.0	0.0	Neutral
10	_ boulot+heure sup+stage de troisième+intérim...	0.0	0.0	Neutral
11	_BLP 😳	0.0	0.0	Neutral
13	: it starts here	0.0	0.0	Neutral
14	KING BONECOLD 👑	0.0	0.0	Neutral
15	???	0.0	0.0	Neutral
16		0.0	0.0	Neutral
17	_fr 😎😎😎	0.0	0.0	Neutral
18	t'as des fans je crois	0.0	0.0	Neutral
19	Nous aussi Marceau, on aime beaucoup même	0.0	0.0	Neutral
25	See you at 21:15	0.0	0.0	Neutral
26	The _fr is about to start but did you know tha...	0.0	0.0	Neutral
27	💛💛	0.0	0.0	Neutral
29	: FR a été IMMORTEL contre US Complexity tout...	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
30	Jersey > Graduation ceremony 🎓	0.0	0.0	Neutral
32	: What does say to the god of death? Not toda...	0.0	0.0	Neutral
33	⍰	0.0	0.0	Neutral
34	: Yup 🤜🤛 PGLANTWERPMAJOR	0.0	0.0	Neutral
35	🧀	0.0	0.0	Neutral
36	_apEX T'es fort	0.0	0.0	Neutral
37	😳	0.0	0.0	Neutral
38	11 - 0 \n\nStill deathless PGLMajor	0.0	0.0	Neutral
40	what is this PGLMajor	0.0	0.0	Neutral
43	Traditions PGLMajor 👽	0.0	0.0	Neutral
48	A story in 4 parts	0.0	0.0	Neutral
52	: Qual (2/2) for fncs final week 2 w/ VforVict...	1.0	0.0	Neutral
54	: Time to leave our mark on this city! D-1	0.0	0.0	Neutral
55	BaddyG, Carzzy, Cender and Skeanz 🤩	0.0	0.0	Neutral
57	_: VICTOIIIIIRE 2-1 💛💛\n\nGG _GG _GG \n\nON...	0.0	0.0	Neutral
58	: Demi finale FNCS c'est maintenant ! gogogogo...	0.0	0.0	Neutral
59	: 17 majors. Aiming for the 5th victory! 🤜🤛 Bor...	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
60	_ 👀	0.0	0.0	Neutral
63	: On enfile la blouse de travail 🦋 💛	0.0	0.0	Neutral
66	👑 👑	0.0	0.0	Neutral
67	On a vibré comme jamais 👑	0.0	0.0	Neutral
70	: Qual 😬	0.0	0.0	Neutral
71	Do or die 😨\n\nLower quarter-finals against ⬇️\n	0.0	0.0	Neutral
73	El Clásico.\n\n📺 -	0.0	0.0	Neutral
75	🔥🔥🔥	0.0	0.0	Neutral
76	Bienvenue dans la ruche ! 🔥	0.0	0.0	Neutral
82	V for VALORANT ⚡	0.0	0.0	Neutral
83	_ _esport Tu craches des faits	0.0	0.0	Neutral
84	_ _esport Smurfing	0.0	0.0	Neutral
85	👑 👑	0.0	0.0	Neutral
87	: C'est l'heure viens vite \n	0.0	0.0	Neutral
89	_Brian: Le classement finale de notre conféren...	0.0	0.0	Neutral
90	_Vitality _RL Kings	0.0	0.0	Neutral
92	😳 😳 😳	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
93	_: Début de l'étape 5 aujourd'hui 🚴\n\nOn a be...	0.0	0.0	Neutral
94	HERRRRRRE ⬇\n	0.0	0.0	Neutral
96	_ _UwU _Fara Quelle équipe de bg 🤬	0.0	0.0	Neutral
97	So close, next one is ours 💛	0.0	0.0	Neutral

In [585]:

```
df['Analysis'].value_counts()
```

Out[585]:

```
Neutral     60
Positive    33
Negative     7
Name: Analysis, dtype: int64
```

In [586]:

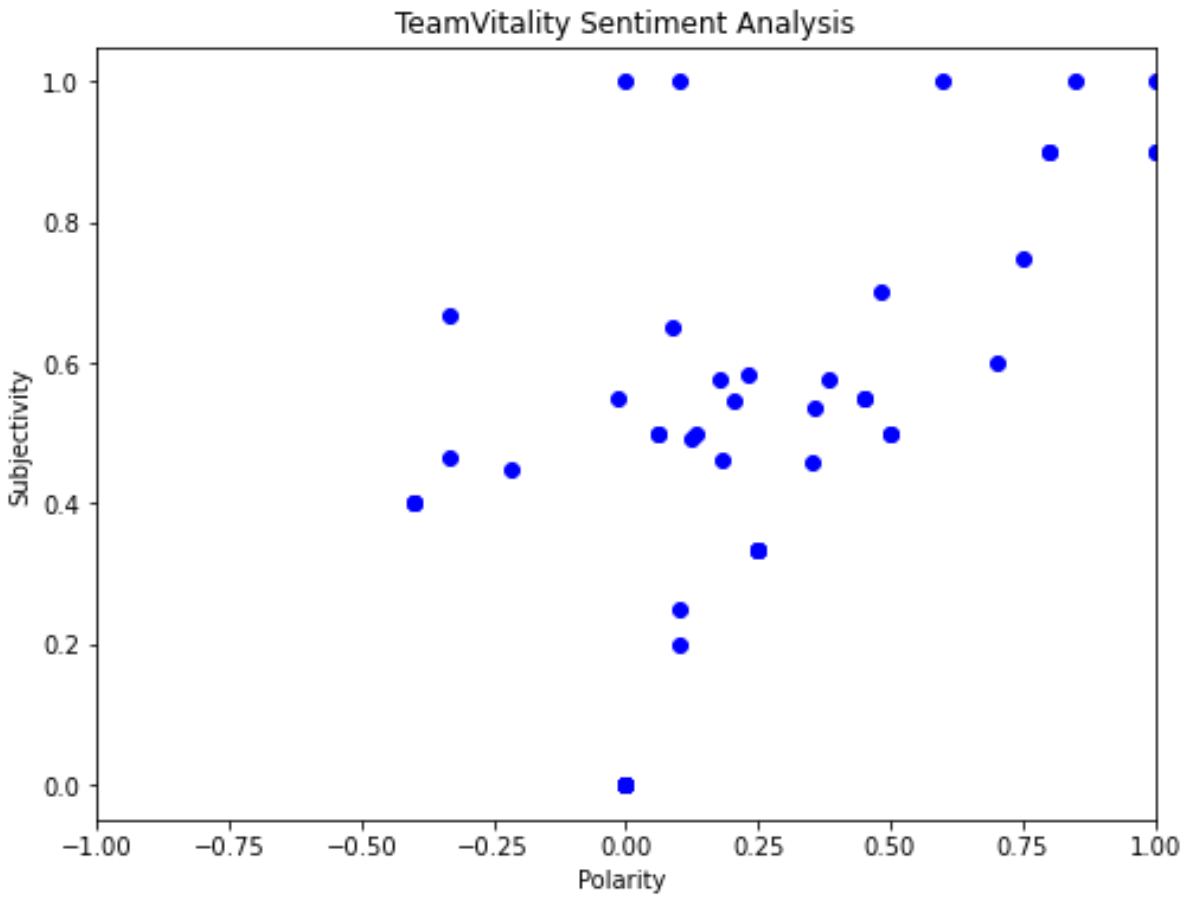
```
df.shape
```

Out[586]:

```
(100, 4)
```

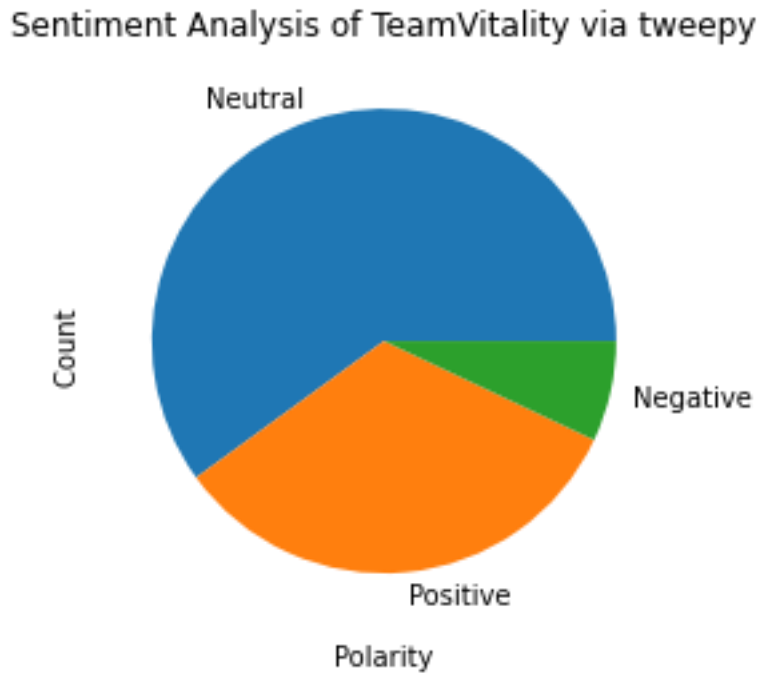
In [587]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("TeamVitality Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



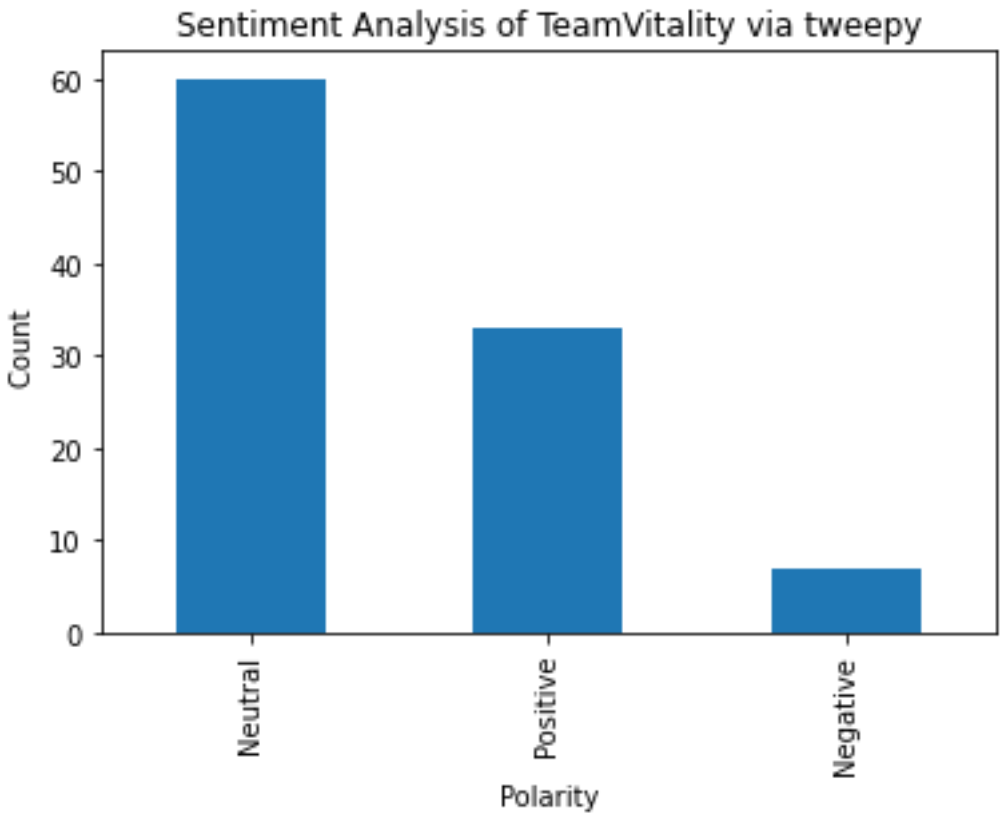
In [589]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of TeamVitality via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [590]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of TeamVitality via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [591]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) NOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO

first death in this PGLMajor

2) Look at this beautiful man

3) : 13-6 VS _gg
Very nice first game of the split, lets keep going!
VforVictory

4) _gg GG coach, nice start 😎

5) We start this split with a win, GG guys ⚡

As a reminder, we will face BeGenius tomorrow for the second game of this French VALORANT leagu
e!

6) : Olalaaaa, seems like a first against tonight. Exciting stuff!
It'll be weird and very funny at the same time! May…

7) Our squad is ready for the second _fr split 🤩

20:00 vs _gg ⚡

8) 16-1, an impressive game, GG Complexity 🤯

We will play a new BO1 later in the afternoon, stay tuned for the time and the opponent PGLMajor

9) Wow, what a CT side 😳
PGLMajor

10) HERE WE GOOOOOO ⚡

The PGL Major Antwerp officially starts ⬇
FR -
GB -

11) _stream: Ready pour le major, merci 😍😍

12) Magnifique top 1 de nos _ 💙

13) _: C'EST FAIIIIIIT LE TOP 1 LET'S GOOOOOOOO 💙💙

GG

ENFIN LE DROIT DE GAGNER UNE ETAPE VOUS ETES INCROYAB…

14) And this is the end of our journey in this first RLCS regional event!

A nice top 4 to start this spring split, we will come back even stronger in 2 weeks 🔥

15) He's so good

16) Let's secure the top 3 😎

📺

17) So nobody found the 4 players... 😳
We give you the right answer at 16:30!

18) My first interview with...

The CS:GO team 🎙

19) Day 3 of this first Regional Event 🔥

18:00 vs 📺

20) On this Sunday 8 May, we wish all moms a Happy Mother's Day! 💟

Can you recognise these four players and their mother? 😊

21) : Top 4 secure ✅
Hard fight today

22) LET'S GOOOOOOOO 🔥🔥🔥

We continue this regional event 1, GG

Top 4 secure.

23) : Let’s set the table even higher - arrived at the Major and really excited to get started 😈

24) Welcome 💟

25) Welcome and VforVictory king 🤼

26) Welcome BaddyG! 🤩

27) Welcome to the hive Robert! 💪💟

28) We're thrilled to announce our new VALORANT roster !

FI -
FR -
PL -
LT -
FI -

FR - - Sub
GB - - Coach
GB - - Analyst
GB - - Manager

29) : It’s Major time, can’t wait to play 👊

30) What a wonderful day to announce the most competitive VALORANT team... ⏳

31) AAAAH FLIKIFLOUUUU

The Major starts in 2 days, time to relive our incredible run during the RMR ⚡

32) : 8th first week fncs w/ ⍰

33) LAST GAME!

WE ARE TOP 4 WE CAN DO IT TO FNCS GRAND FINALS 🦋

➡

In [592]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Yeah, that's our reaction too ahahahh, clean game, GG guys 🤝

2) The serious business starts now 😈

📺 -

3) LET THE MAJOR BEGIN 🔥

We will face at 12:00 in the opening game of this challengers stage!

VITWIN

4) This game guys 😱

5) Game 7 🤯

6) A complicated game, GG !

We will face later tonight in the lower bracket of these RLCS ⚔

7) The game we're all waiting for....

Team Vitality vs Team BDS - 19:30 ⚡

In [593]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
```

i=i+1

1) POV you're ForZe

2) _apEX

3) LEGENDS SPOT WE'RE COMING VITWIN

⏰ 14:30 vs

4) _apEX _CSGO DES ROIS

5) 2-0 day PGLMajor

6) LET'S GOOOOO 🔥🔥🔥

Three chances to qualify for the Legends Stage, come on guys! 💪

7) MISUTIIIIIIME PGLMajor

8) ZYWOO Infinite KD?

📺

9) _ Je sais pas mais toi tu vas l'apprendre

10) _ boulot+heure sup+stage de troisième+intérim+devoir maison+chantier+bénévolat+travaux d'i ntérêt généraux+brevet+bac+jour férié+vacance+week end+CDI+alternance+période d'essai+horaire de nuit+voyage d'affaire+retraite+stage de formation+congé payé+entretien d'embauche

11) _BLP 😵

12) : it starts here

13) KING BONECOLD 👑

14) ???

15)

16) _fr 😎😎😎

17) t'as des fans je crois

18) Nous aussi Marceau, on aime beaucoup même

19) See you at 21:15

20) The _fr is about to start but did you know that was crowned World Champion in 2021?

21) 💙💙

22) : FR a été IMMORTEL contre us Complexity tout à l'heure ! Mais combien de points de vie a-t-il p erdu ? On a compté !

Round…

23) Jersey > Graduation ceremony 🎓

24) : What does say to the god of death? Not today

PGLMajor

25) ⍰

26) : Yup 🎀 PGLANTWERPMAJOR

27) 🧀

28) _apEX T'es fort

29) 😵

30) 11 - 0

Still deathless PGLMajor

31) what is this PGLMajor

32) Traditions PGLMajor 👽

33) A story in 4 parts

34) : Qual (2/2) for fncs final week 2 w/ VforVictory

35) : Time to leave our mark on this city! D-1

36) BaddyG, Carzzy, Cender and Skeanz 🤩

37) _: VICTOIIIIIRE 2-1 🤍🤍

GG _GG _GG

ON GO EN DEMI VforVictory

38) : Demi finale FNCS c'est maintenant ! gogogogo 🎀

39) : 17 majors. Aiming for the 5th victory! 🎀 BornToBeFirst

40) _ 👀

41) : On enfile la blouse de travail 🎀 🤍

42) 👑👑

43) On a vibré comme jamais 👑

44) : Qual 😬

45) Do or die 🤯

Lower quarter-finals against ⬇️

46) El Clásico.

📺 -

47) 🔥🔥🔥

48) Bienvenue dans la ruche ! 🔥

49) V for VALORANT ⚡

50) _ _esport Tu craches des faits

51) _ _esport Smurfing

52) 👑👑

53) : C'est l'heure viens vite

54) _Brian: Le classement finale de notre conférence pendant les qualifs eClub World Cup, gros gg au x collègues _Heroz…

55) _Vitality _RL Kings

56) 😨😨😨

57) _: Début de l'étape 5 aujourd'hui 🎀

On a beaucoup bossé depuis la GA, il est temps de montrer 🔥

RDV 12H SUR _TV…

58) HERRRRRRE ⬇️

59) _ _UwU _Fara Quelle équipe de bg 😭

60) So close, next one is ours ♡

QUESTION #2: ENTROPIQTEAM

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [595]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [596]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [597]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [598]:

```
posts= api.user_timeline(screen_name='Entropiqteam',count=100,tweet_mode='extended')
```

In [599]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) #PGLMajor is already on? We almost missed that! Oh... 🤔 https://t.co/bTZFPCyIoa

2) Squad of the #PCS6 and @NaylupGG as the best European. 💪😍 https://t.co/0QtSutKtpy

3) RT @j1NZOcs: Couldn't manage to finish our comeback against @ATNattax. A lot to learn from, w
e just started 😎
2-1 now in @YzoneSk Pro Serie…

4) @ATNattax @YzoneSk @alternate_de @seagategaming @SharkoonNews @skyyeCS @mavvecs
@FreeZe_csgo @officialxenn @awzekCSGO @luckystrikecs Yeaah... 🤔 GG WP!

5) @PUBGEsports Thank you all again! 😊

6) .@YzoneSk PRO Series continues!

Entropiq Prague are challenging @ATNattax today. Can the boys keep their invincibility? Watch live!

SK📺 https://t.co/AkVAA0zQ8P https://t.co/htPB65e5Q0

7) @ATNattax @alternate_de @seagategaming @SharkoonNews @skyyeCS @mavvecs @officialxen n @awzekCSGO @FreeZe_csgo @luckystrikecs @YzoneSk Oh we will! 😂 GL HF today boys!

8) As a little celebration of our #PCS6 title, we have a special offer for one of you!

You can now use a one-time code for 15% off of your order on our shop!

Just head here: https://t.co/cn0EBtxQ4t and enter the code:

❗EIQPCS6CHAMPION❗

And remember, first come, first served! https://t.co/QuOTa0bKYM

9) Since we are the European #PUBG Champions 🏆 now, we've prepared a little present for one of our fans. 🥰

Stay tuned! 🤔

10) .@EIQ_Hegar (Šimba) manages two teams in Entropiq. One of the teams is the Balkan #PUBG sq uad, which was named PUBG Continental Series 6: Europe champions over the weekend!

Visit our https://t.co/67PsHYulfU and get to know him better! 😍

#MondayEleven https://t.co/W3kJbqeOmo

In [600]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[600]:

	Tweets
0	#PGLMajor is already on? We almost missed that...
1	Squad of the #PCS6 and @NaylupGG as the best E...
2	RT @j1NZOcs: Couldn't manage to finish our com...
3	@ATNattax @YzoneSk @alternate_de @seagategamin...

	Tweets
4	@PUBGEsports Thank you all again! 🥰
...	...
95	OK. This went well. 🙃\n\nNow we're playing Anc...
96	Once again, not a bad half-time score... 💪\n\n...
97	We're not done!\n\nWatch #ESLChallenger League...
98	If you were looking forward to our sticker, he...
99	@mousesports @hobshytv But ours would still lo...

100 rows × 1 columns

In [601]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [602]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [603]:

```
df
```

Out[603]:

	Tweets
0	PGLMajor is already on? We almost missed that!...
1	Squad of the PCS6 and as the best European. 💪😍
2	: Couldn't manage to finish our comeback again...

	Tweets
3	_de _csgo Yeaah... ⍰ GG WP!
4	Thank you all again! 😻
...	...
95	OK. This went well. 🙃\n\nNow we're playing Anc...
96	Once again, not a bad half-time score... 💪\n\n...
97	We're not done!\n\nWatch ESLChallenger League ...
98	If you were looking forward to our sticker, he...
99	But ours would still look nicer right, ? 😭

100 rows × 1 columns

In [604]:

```
analysis=TextBlob("Today was the best day ")
```

In [605]:

```
analysis.sentiment
```

Out[605]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [606]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [607]:

```
df
```

Out[607]:

	Tweets	Subjectivity	Polarity
0	PGLMajor is already on? We almost missed that!...	0.000000	0.000000
1	Squad of the PCS6 and as the best European. 💪😍	0.150000	0.500000
2	: Couldn't manage to finish our comeback again...	0.000000	0.000000
3	_de _csgo Yeaah... ▯ GG WP!	0.000000	0.000000
4	Thank you all again! 🥰	0.000000	0.000000
...	...	...	...
95	OK. This went well. 🙃\n\nNow we're playing Anc...	0.500000	0.500000
96	Once again, not a bad half-time score... 💪\n\n...	0.666667	0.350000
97	We're not done!\n\nWatch ESLChallenger League ...	0.000000	0.000000
98	If you were looking forward to our sticker, he...	0.000000	0.000000
99	But ours would still look nicer right, ? 😭	0.535714	0.285714

100 rows × 3 columns

In [ ]:

In [608]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
   if score<0:
      return 'Negative'
   elif score==0:
      return 'Neutral'
   else:
      return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[608]:

	Tweets	Subjectivity	Polarity	Analysis
0	PGLMajor is already on? We almost missed that!...	0.000000	0.000000	Neutral
1	Squad of the PCS6 and as the best European. 💪😍	0.150000	0.500000	Positive
2	: Couldn't manage to finish our comeback again...	0.000000	0.000000	Neutral
3	_de _csgo Yeaah... ⍰ GG WP!	0.000000	0.000000	Neutral
4	Thank you all again! 🥰	0.000000	0.000000	Neutral
...	...	...	...	...
95	OK. This went well. 🙃\n\nNow we're playing Anc...	0.500000	0.500000	Positive
96	Once again, not a bad half-time score... 💪\n\n...	0.666667	0.350000	Positive
97	We're not done!\n\nWatch ESLChallenger League ...	0.000000	0.000000	Neutral
98	If you were looking forward to our sticker, he...	0.000000	0.000000	Neutral
99	But ours would still look nicer right, ? 😭	0.535714	0.285714	Positive

100 rows × 4 columns

In [609]:

```
df[df['Analysis']=='Neutral']
```

Out[609]:

	Tweets	Subjectivity	Polarity	Analysis
0	PGLMajor is already on? We almost missed that!...	0.000000	0.0	Neutral
2	: Couldn't manage to finish our comeback again...	0.000000	0.0	Neutral
3	_de _csgo Yeaah... ⍰ GG WP!	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
4	Thank you all again! 🥰	0.000000	0.0	Neutral
6	_de _csgo Oh we will! 😂 GL HF today b...	0.000000	0.0	Neutral
10	_EU Thank you! 😍	0.000000	0.0	Neutral
13	Sry boys. 😇	0.000000	0.0	Neutral
14		0.000000	0.0	Neutral
15	GG guys, thank you!	0.000000	0.0	Neutral
17	Hey , should we get a lunch or something, befo...	0.000000	0.0	Neutral
18	Thank you! Looking forward to another tournam...	0.000000	0.0	Neutral
20	Oh boy! 🤩 Thank you all for the support! 🖤💚\n...	0.000000	0.0	Neutral
22	Final score. 💪	1.000000	0.0	Neutral
24	Your champions! 😍	0.000000	0.0	Neutral
25	🏆 We are the PCS6 CHAMPIONS! 🏆	0.000000	0.0	Neutral
26	Can we say it already?! PCS6	0.000000	0.0	Neutral
27	Oh FOCK! We're out!\n\n_Gg 24 points away, 25...	0.000000	0.0	Neutral
28	We've eliminated to help us a bit. 🤯\n\nPCS6	0.000000	0.0	Neutral
29	_Gg Join us on our Discord and cheer with us!	0.000000	0.0	Neutral
34	Yet ANOTHER third place! We now lead by 32 poi...	0.033333	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
35	_cs: 0:2 vs _esp in . Everybody was feeling ki...	0.000000	0.0	Neutral
36	TOP4 and 32 points lead atm!\n\nPCS6	0.000000	0.0	Neutral
41		0.000000	0.0	Neutral
45	It's our Sports Director birthday! 🎂\n\nWhat ...	0.000000	0.0	Neutral
47	_Gg Just don't let them! Like we shouldn't le...	0.000000	0.0	Neutral
48	🤯	0.000000	0.0	Neutral
50	One last map today. Let's give it everything!\...	0.066667	0.0	Neutral
51	Oh no. 😬 We're out quite soon this time. 😟\n\n...	0.000000	0.0	Neutral
52	Time to get some points again! 💪\n\nPCS6	0.000000	0.0	Neutral
54	50 points lead again. 🤔 Let's go!\n\nPCS6	0.000000	0.0	Neutral
55	Yet another 5 maps of PCS6 are on the way.\n\n...	0.066667	0.0	Neutral
57	_east You bet! Thank you! 🥰	0.000000	0.0	Neutral
59	😮	0.000000	0.0	Neutral
62	200 points!\n\nPCS6	0.000000	0.0	Neutral
63	1 point last map, 1 map left today. Let's go!\...	0.033333	0.0	Neutral
64	Yeah... Well, cu again...! 😜	0.000000	0.0	Neutral
67	Sryyy ...! 😳\n\nPCS6	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
68	Yeeah. 😍	0.000000	0.0	Neutral
71	Leave something for the rest... 🤪\n\n3 points....	0.000000	0.0	Neutral
73	We're about to begin! 🔥\n\nLet's get that frea...	0.000000	0.0	Neutral
74	Who's going to have his driving licence revoke...	0.000000	0.0	Neutral
75	: 15 matches of PCS6 Europe concluded last wee...	0.033333	0.0	Neutral
76	_cs: We won our second advanced game 16:5 vs _...	0.333333	0.0	Neutral
78	_Esport GL boys.	0.000000	0.0	Neutral
83	_eSport GG!	0.000000	0.0	Neutral
85	_eSport GL guys! 💪	0.000000	0.0	Neutral
86	If you feel like watching some world-class PUB...	0.000000	0.0	Neutral
89	⍰	0.000000	0.0	Neutral
90		0.000000	0.0	Neutral
93	We beat , and we're going to play the winner's...	0.000000	0.0	Neutral
97	We're not done!\n\nWatch ESLChallenger League ...	0.000000	0.0	Neutral
98	If you were looking forward to our sticker, he...	0.000000	0.0	Neutral

In [610]:

```
df['Analysis'].value_counts()
```

Out[610]:

```
Neutral     52
Positive    38
Negative    10
```

Name: Analysis, dtype: int64

In [611]:

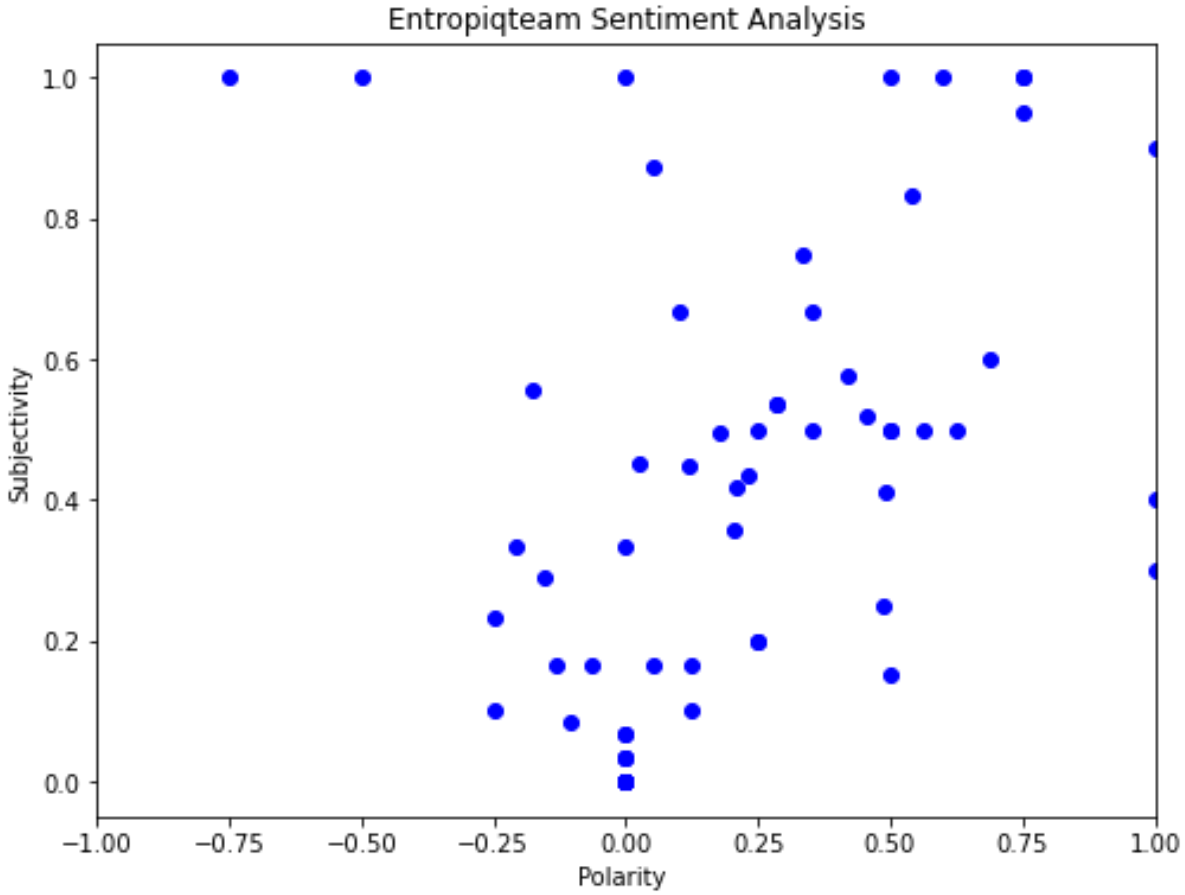
```
df.shape
```

Out[611]:

(100, 4)

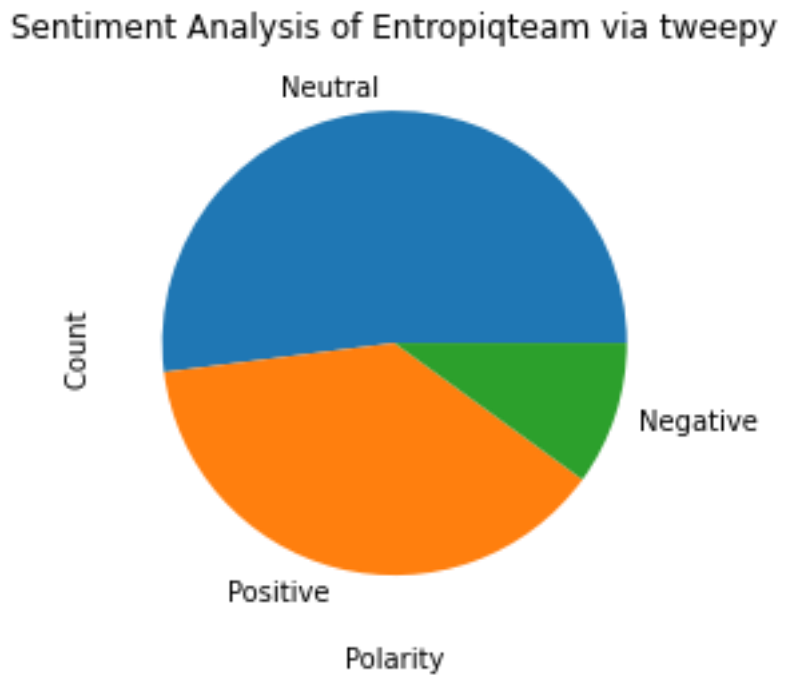
In [612]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("Entropiqteam Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



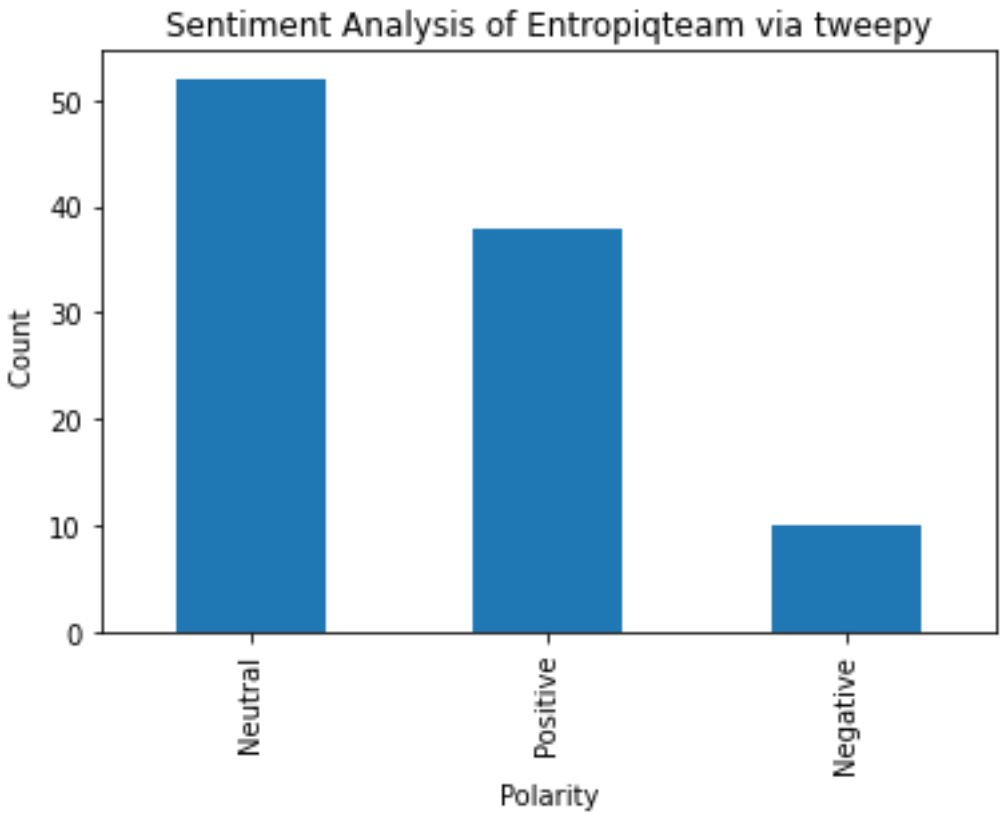
In [613]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of Entropiqteam via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [614]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of Entropiqteam via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [615]:

 # Lets get positive tweets only

```
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Squad of the PCS6 and as the best European. 💪😍

2) . PRO Series continues!

Entropiq Prague are challenging today. Can the boys keep their invincibility? Watch live!

SK📺

3) As a little celebration of our PCS6 title, we have a special offer for one of you!

You can now use a one-time code for 1⃣5⃣% off of your order on our shop!

Just head here: and enter the code:

❗EIQPCS6CHAMPION❗

And remember, first come, first served!

4) ._Hegar (Šimba) manages two teams in Entropiq. One of the teams is the Balkan PUBG squad, whi ch was named PUBG Continental Series 6: Europe champions over the weekend!

Visit our and get to know him better! 😍

MondayEleven

5) Thank you! We're loving it!

6) Thanks man! GG WP and see you next time!

7) Thank you, James! Btw nice t-shirt you got there...! 😄

8) Thanks man! See you soon. 😘

9) Boom! There you go ! The PCS6 win is for you! 😘🤣

10) GG WP brah. Wasn't easy at all!

11) This is what the leaderboard looks like before the very last game.

Nothing is done, and we're going to be challenged for the PCS6 title by _Gg and .

But it's all in our own hands! Let's get this done! 🏆

GB📺

12) We've eliminated to get some important points!

PCS6

13) Right. Even better! 😄

14) First map, third place, six kills, 24 points lead! Let's go!

PCS6

15) First map is LIVE!

PCS6

16) Last day, last maps, last defence! ⍰

Who is going to be the new champion?! 🏆

Let's make history today!

GB📺

17) Entropiq Prague boys are going for a second win in the Spring.

But this time they're playing _esp, so it won't be easy! Fingers crossed! 🤞

GB📺

18) Thanks man!

19) : Best of 5.

20) Not a good performance today. 😔

But tomorrow is a new day and we still have a lead! 🥇

Tomorrow the real title fights happen. Don't forget to fight! 💪

PCS6

21) : Who’s ready for more PCS6 Europe? 🔥 From IGLs to tacticians, our pros spill who calls the shot s for some of our powerhous…

22) 🔝 Another Saturday, another CS:GO skin giveaway on our Instagram!

This time for AWP | Containment Breach, Field tested and three Entropiq stickers.

👍 Get your own skin here:

23) Nice!

24) Friday is history and we managed to cross the 200 points landmark.

Just 10 more maps! Can we hold?! We continue tomorrow!

PCS6

25) Not great, not terrible. 😉

PCS6

26) Way better. 😎

Three more to go today!

PCS6

27) You are all welcome to chat with us on our Discord as well!

28) Sneaky peaky _cs

LIVE:

29) ESEA Advanced is in full swing and Entropiq Prague are about to fight _Esport.

Be there with us! ❤️🤍

GB📺

30) Get ready, because we're coming for it! 💪🤞

PCS6

31) Entropiq Prague play two ESEA Advanced matches today.

First one starts at 18:00 CEST against _eSport.
Second one 20:00 CEST against WhiteSharks.

Watch both matches on our Twitch channel live!

GB📺

32) : The battlegrounds are filled with BornReady players but there are a few who have stood out so far in PCS6 Europe.

Does…

33) ⍰ You have 24 hours to place your Pick'em challenge for the PUBG Continental Series 6: Europe!

And just so you know, we're more than delighted to see the support...! ⍰😌

PCS6

34) Yo , screw the stickers right...? 😜

35) Ours better. 🤓

36) OK. This went well. 🙃

Now we're playing Ancient, because why not. 😊

ESLChallenger

37) Once again, not a bad half-time score... 💪

ESLChallenger

38) But ours would still look nicer right, ? 😭

In [616]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Since we are the European PUBG Champions 🏆 now, we've prepared a little present for one of o ur fans. 😌

Stay tuned! 🤔

2) One last game and we still play for everything!

PCS6

3) Another third place and another six kills, but now 27 points lead!

Tune in, things are getting way too serious!

PCS6

4) _cs: Hi, in the end we will replay the _net game against RU which ended in a FFW for us, the extra demo and ex…

5) A few points get us to 51 points lead! 🙏

PCS6

6) That's the thing, we don't know. :(

7) Sorry , we had to... 😇

PCS6

8) The second half starts today!

PCS6

9) _cs: Lost our first Advanced game 14:16 vs _esport on Nuke. Poor CT side sadly cost us the game. We will learn from our mistake…

10) Can we close it down? 😉

ESLChallenger

In [617]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) PGLMajor is already on? We almost missed that! Oh... □

2) : Couldn't manage to finish our comeback against . A lot to learn from, we just started 😎
2-1 now in Pro Serie…

3) _de _csgo Yeaah... □ GG WP!

4) Thank you all again! 😌

5) _de _csgo Oh we will! 😂 GL HF today boys!

6) _EU Thank you! 😍

7) Sry boys. 😇

8)

9) GG guys, thank you!

10) Hey , should we get a lunch or something, before we make PGC2022 official? 👫😄

11) Thank you! Looking forward to another tournament with your boys!

12) Oh boy! 😍 Thank you all for the support! ❤️💖

ThisIsOurWorld

13) Final score. 💪

14) Your champions! 😍

15) 🏆 We are the PCS6 CHAMPIONS! 🏆

16) Can we say it already?! PCS6

17) Oh FOCK! We're out!

_Gg 24 points away, 25. 😱

PCS6

18) We've eliminated to help us a bit. 🤓

PCS6

19) _Gg Join us on our Discord and cheer with us!

20) Yet ANOTHER third place! We now lead by 32 points. 👌

Just last TWO maps to go!

SO CLOOOOSE! 🙏

PCS6

21) _cs: 0:2 vs _esp in . Everybody was feeling kinda off today but nothing we can't fix, see you tmrw vs …

22) TOP4 and 32 points lead atm!

PCS6

23)

24) It's our Sports Director birthday! 🎂

What present should we give him? 😘

25) _Gg Just don't let them! Like we shouldn't let them... 😳🍆

26) 😷

27) One last map today. Let's give it everything!

PCS6

28) Oh no. 😬 We're out quite soon this time. 😮‍💨

PCS6

29) Time to get some points again! 💪

PCS6

30) 50 points lead again. 🤔 Let's go!

PCS6

31) Yet another 5 maps of PCS6 are on the way.

Can we hold our lead and get one last step closer to the title?! Let's walk it together!

GB📺

32) _east You bet! Thank you! 😚

33) 😮

34) 200 points!

PCS6

35) 1 point last map, 1 map left today. Let's go!

PCS6

36) Yeah... Well, cu again...! 😜

37) Sryyy ...! 😵

PCS6

38) Yeeah. 😍

39) Leave something for the rest... 🤓

3 points... Go next!

PCS6

40) We're about to begin! 🐴

Let's get that freaking PCS6 title all together!

GB📺

41) Who's going to have his driving licence revoked because of his PUBG driving skills? 😵

PCS6

42) : 15 matches of PCS6 Europe concluded last weekend, this is how the rankings are looking.

We're back in 1 hour for Day 4 w…

43) _cs: We won our second advanced game 16:5 vs _Esport. Played like a dog ▯ but my team got me 😤

44) _Esport GL boys.

45) _eSport GG!

46) _eSport GL guys! 💪

47) If you feel like watching some world-class PUBG, and are streaming their POV. 😎

📺
📺

48) ▯

49)

50) We beat , and we're going to play the winner's match of the ESLChallenger group stage. 💪

GG WP boys!

51) We're not done!

Watch ESLChallenger League match against ! Phew...

GB📺
CZ📺
RU📺

52) If you were looking forward to our sticker, here we go!

PGLMajor

QUESTION #2: MOUSESPORTS

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [595]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [596]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [597]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [618]:

```
posts= api.user_timeline(screen_name='mousesports',count=100,tweet_mode='extended')
```

In [619]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) @FlamBoyanT_cs55 @RAVE_OPS 🤣

2) @HansenTindahl @rafapedr0 What exactly is confusing?

3) @HansenTindahl @rafapedr0 We are still @mousesports just like we were always mouz. We just decided to use the MOUZ more because most people called us only mouz anyway and also to counte r the trend of people saying "mouse esports" instead of "mouse sports".

4) @CsSynthetic The logo is still legendary and will always be part of our legacy.

5) @Niiico5ye @csGOD_keinBot Das Logo bleibt.

6) @csGOD_keinBot Da beißt die Maus keinen Faden ab.

7) @ZuriPOL They were already the most expensive stickers before the RMR tournament.

8) Haters: yOuR nEW LOgO sUCks
MOUZ Stickers: https://t.co/3TFEmnzUDs

9) MOUZ VALORANT is returning to action today at 21:00 CEST with our new player ɪʟ@recidentz. #VAMOUZ #HanseMerkurEsports https://t.co/NXT16MFJ13

10) Learn from one of the best Killjoy players in the world!

Watch here ➡ https://t.co/MucB3pdB7Z https://t.co/o89utuIn5w

In [620]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[620]:

	Tweets
0	@FlamBoyanT_cs55 @RAVE_OPS 🤣
1	@HansenTindahl @rafapedr0 What exactly is conf...
2	@HansenTindahl @rafapedr0 We are still @mouses...
3	@CsSynthetic The logo is still legendary and w...
4	@Niiico5ye @csGOD_keinBot Das Logo bleibt.
...	...
95	10-5 is a half time score we can work with 💪
96	Press F in chat ...
97	The win on Vertigo is in the bag, now we have ...
98	Let's go, it's do or die now in the #IEM Dalla...
99	@recidentz We want to thank @Amilwaa for his w...

100 rows × 1 columns

In [621]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [622]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [623]:

```
df
```

Out[623]:

	Tweets
0	_cs55 _OPS 🤣
1	What exactly is confusing?
2	We are still just like we were always mouz....
3	The logo is still legendary and will always b...
4	_keinBot Das Logo bleibt.
...	...
95	10-5 is a half time score we can work with 💪
96	Press F in chat ...
97	The win on Vertigo is in the bag, now we have ...
98	Let's go, it's do or die now in the IEM Dallas...
99	We want to thank for his work and time at MO...

100 rows × 1 columns

In [624]:

```
analysis=TextBlob("Today was the best day ")
```

In [625]:

```
analysis.sentiment
```

Out[625]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [626]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [627]:

```
df
```

Out[627]:

	Tweets	Subjectivity	Polarity
0	_cs55 _OPS 🤣	0.000000	0.000000
1	What exactly is confusing?	0.400000	-0.300000
2	We are still just like we were always mouz....	0.666667	0.333333
3	The logo is still legendary and will always b...	1.000000	1.000000
4	_keinBot Das Logo bleibt.	0.000000	0.000000
...	...	...	...
95	10-5 is a half time score we can work with 💪	0.166667	-0.166667
96	Press F in chat ...	0.000000	0.000000
97	The win on Vertigo is in the bag, now we have ...	0.250000	0.337500

	Tweets	Subjectivity	Polarity
98	Let's go, it's do or die now in the IEM Dallas...	0.100000	-0.125000
99	We want to thank for his work and time at MO...	0.212500	0.500000

100 rows × 3 columns

In [ ]:

In [628]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
  if score<0:
    return 'Negative'
  elif score==0:
    return 'Neutral'
  else:
    return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[628]:

	Tweets	Subjectivity	Polarity	Analysis
0	_cs55 _OPS 🤣	0.000000	0.000000	Neutral
1	What exactly is confusing?	0.400000	-0.300000	Negative
2	We are still just like we were always mouz....	0.666667	0.333333	Positive
3	The logo is still legendary and will always b...	1.000000	1.000000	Positive
4	_keinBot Das Logo bleibt.	0.000000	0.000000	Neutral
...	...	...	...	...
95	10-5 is a half time score we can work with 💪	0.166667	-0.166667	Negative

	Tweets	Subjectivity	Polarity	Analysis
96	Press F in chat ...	0.000000	0.000000	Neutral
97	The win on Vertigo is in the bag, now we have ...	0.250000	0.337500	Positive
98	Let's go, it's do or die now in the IEM Dallas...	0.100000	-0.125000	Negative
99	We want to thank for his work and time at MO...	0.212500	0.500000	Positive

100 rows × 4 columns

In [629]:

```
df[df['Analysis']=='Neutral']
```

Out[629]:

	Tweets	Subjectivity	Polarity	Analysis
0	_cs55 _OPS 🤣	0.000	0.0	Neutral
4	_keinBot Das Logo bleibt.	0.000	0.0	Neutral
5	_keinBot Da beißt die Maus keinen Faden ab.	0.000	0.0	Neutral
6	They were already the most expensive stickers...	0.600	0.0	Neutral
10	📞	0.000	0.0	Neutral
12	✅	0.000	0.0	Neutral
14	⍰	0.000	0.0	Neutral
15	*na's	0.000	0.0	Neutral
17	We missed this like we missed the PGLMajor	0.000	0.0	Neutral
18	Welp...	0.000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
22	It will be glorious whenever they come out.	0.000	0.0	Neutral
26	same as two pglmajor teams	0.125	0.0	Neutral
27	we made this joke today	0.000	0.0	Neutral
28	we can promise you this pglmajor we will go un...	0.000	0.0	Neutral
29	Time to unfollow	0.000	0.0	Neutral
30	Next time it will be 1st 🙏🙏🙏	0.000	0.0	Neutral
31	: Got 2nd 3 times in a row for online CPT, wel...	0.000	0.0	Neutral
33	Now you know 😉	0.000	0.0	Neutral
35	🏆🏆Deutscher Meister (again!) 🏆🏆\n\nVAMOUZ ESLM...	0.000	0.0	Neutral
37	❤️	0.000	0.0	Neutral
41	MOUZ sticker	0.000	0.0	Neutral
44	MOUZ geht's 💪💪\nVAMOUZ HanseMerkurEsports	0.000	0.0	Neutral
45	😍	0.000	0.0	Neutral
46	_dach Diesmal beenden wir, was wir angefangen ...	0.000	0.0	Neutral
49	_dach	0.000	0.0	Neutral
50	Just remember...\n\nTHIS IS MOUSESPORTS	0.000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
51	_dach Nur Headshots diesen Split VAMOUZ	0.000	0.0	Neutral
53		0.000	0.0	Neutral
54	: streaming some counter-strike 😍🔥\n	0.000	0.0	Neutral
55	Die Mäuse fahren nach Dallas!	0.000	0.0	Neutral
57	_ Gute Arbeit Jungs!	0.000	0.0	Neutral
58	🙌🙌🙌	0.000	0.0	Neutral
59	What a day! We 2-0 two PGLMAJOR Legends teams ...	0.000	0.0	Neutral
60	See you all in Dallas at IEM 🥳 VAMOUZ	0.000	0.0	Neutral
61	Oh no, it's gonna be OT 😱	0.000	0.0	Neutral
62	I'm not nervous, you're nervous	0.000	0.0	Neutral
63	10 rounds on CT side 👏 let's get 6 rounds on T...	0.000	0.0	Neutral
64	Dis guy tho 😍🥰😍	0.000	0.0	Neutral
67	1. MOUZ removed Dust2 ❌\n2. BIG removed Inferno...	0.075	0.0	Neutral
69	Hmmm also looks like an sticker 😉	0.000	0.0	Neutral
71	_0223 Make a Bymas one!	0.000	0.0	Neutral
72	Gonna tell my kids this is the MOUZ Glitter St...	0.000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
75	Another score we can defo work with: 11-4 on V...	0.000	0.0	Neutral
76	No.	0.000	0.0	Neutral
78	Raising to 18-4 and 196 ADR 😮	0.000	0.0	Neutral
80	1. MOUZ removed Overpass ❌ \n2. Copenhagen Flame...	0.000	0.0	Neutral
83	⍰	0.000	0.0	Neutral
84	_dach: "Erfolg stellt sich ein, wenn man mehr ...	0.000	0.0	Neutral
85	VAMOUZ	0.000	0.0	Neutral
86	_dach Wir wussten nicht, dass du Deutsch spri...	0.000	0.0	Neutral
88	_Charly	0.000	0.0	Neutral
89	_Charly No, who asked	0.000	0.0	Neutral
90	_Charly who?	0.000	0.0	Neutral
92	how to get kicked as an esports camera guy:	0.000	0.0	Neutral
96	Press F in chat ...	0.000	0.0	Neutral

In [630]:

```
df['Analysis'].value_counts()
```

Out[630]:

```
Neutral    55
Positive   38
Negative    7
Name: Analysis, dtype: int64
```

In [631]:

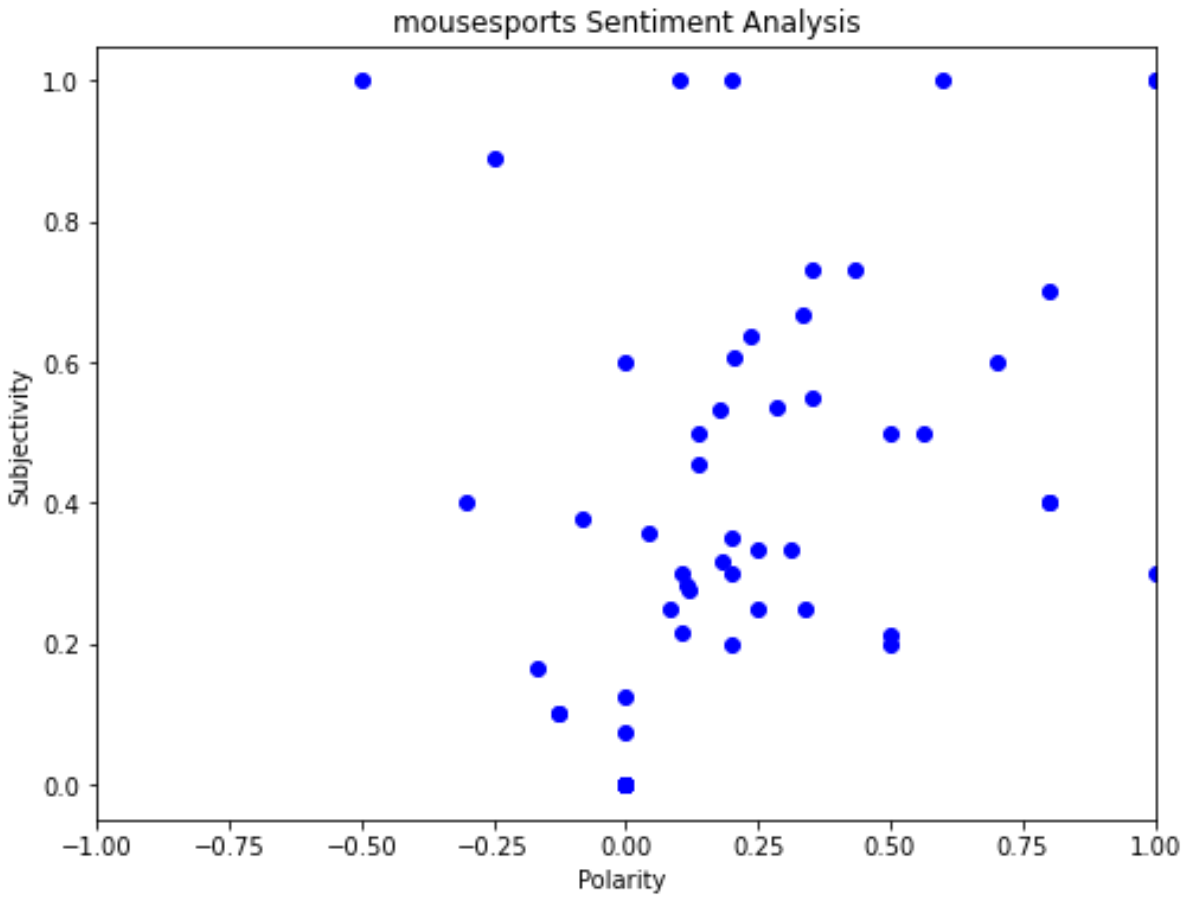
```
df.shape
```

Out[631]:

```
(100, 4)
```

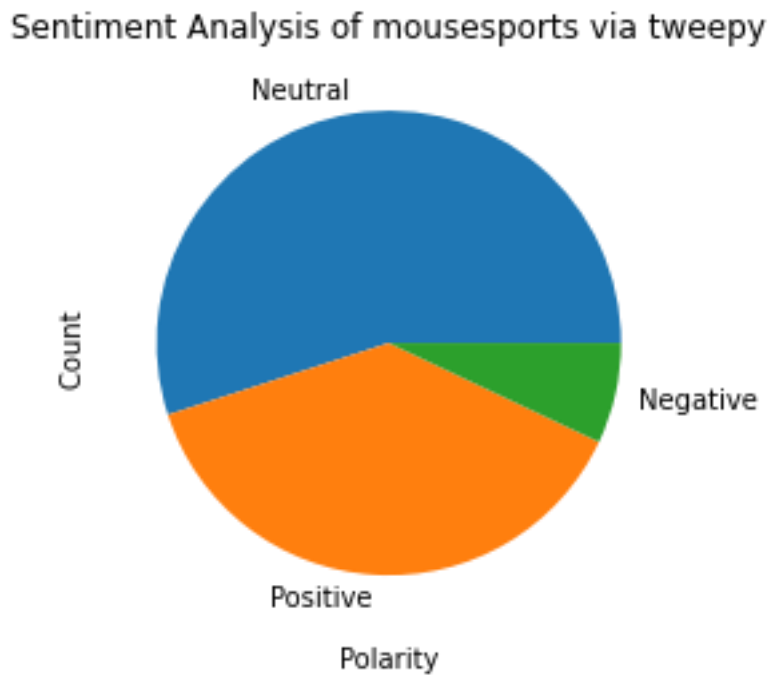
In [632]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("mousesports Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



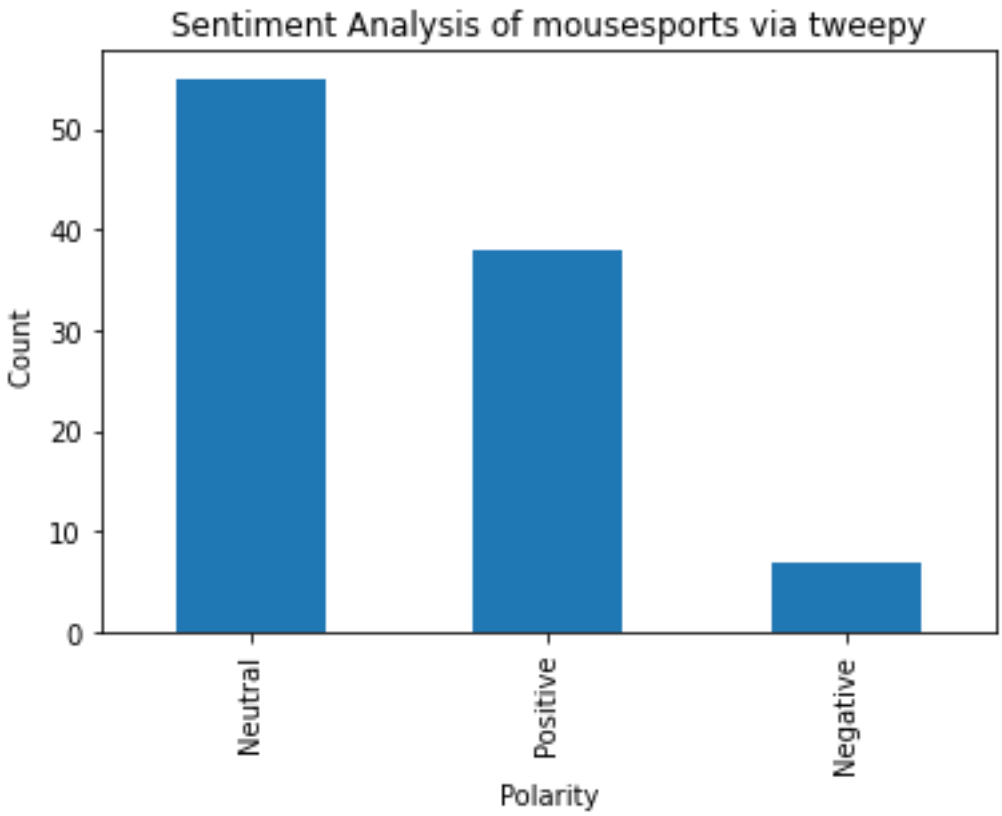
In [634]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of mousesports via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [635]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of mousesports via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [636]:

 # Lets get positive tweets only

```
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) We are still just like we were always mouz. We just decided to use the MOUZ more because mos t people called us only mouz anyway and also to counter the trend of people saying "mouse esports" instead of "mouse sports".

2) The logo is still legendary and will always be part of our legacy.

3) MOUZ VALORANT is returning to action today at 21:00 CEST with our new player IL. VAMOUZ Han seMerkurEsports

4) Learn from one of the best Killjoy players in the world!

Watch here ➡

5) Pretty nice weather in Hamburg. Thanks for asking.

6) _ true. we killed zywoo as much as they did in the pglmajor

7) our pglmajor performance so far:

8) the jinx is strong in this one

9) NA on a new speedrun record

10) What will happen first? PGLMajor

11) Thanks for the support 🙏

12) right?

13) Did you win?

14) : Made Top 8 Winners for CPT UK/Ireland! More games tomorrow.

15) Our Street Fighter player is up soon in the Top 16 of CPT2022 UK/Ireland.

Tune in ➡

16) And here we have it - a MOUZ only Grand Final in ESLMeisterschaft! defeated ToD in the semis t o advance to the Grand Final where he'll meet XlorD in just a bit! VAMOUZ

📺

17) Let's be honest here: did anyone expect anything other than advancing to the finals of ESLMeist erschaft? VAMOUZ

📺

18) It's ESLMeisterschaft time and both and want to fight their way through the semis up to the gra nd final! XlorD is the first to go! Starting at 15:00 CEST! VAMOUZ

📺

19) : My first fragmovie since i got promoted! Check it out 🔥

20) "Gear up, stay safe, we're going back in."
May 10th vs
DACHevolution
HanseMerkurEsports
VAMOUZ

21) Perfect weather to stay home and play games 🌞

22) A 2v5 and no prob for and . This is just one of many situations where their resilience prevailed at the IEM Dallas closed quals 👏 VAMOUZ

23) Good luck 🤞

24) Give us a second to steady our breathing but wooohooo what a map 😍VAMOUZ

📺

25) 6-9 at side switch, surely ended this half on a high note - with an ace! VAMOUZ

26) We live fam ✌ VAMOUZ

📺

27) Victory achieved. Now we have to achieve a second win at 19:00 CEST to qualify for IEM Dallas! V AMOUZ

28) [COPENHAGEN wants to fight!]

[COPENHAGEN used FLAMES against FROZEN!]

[It's not very effective...]

29) A quick 16-3 over on Mirage and we're heading into Vertigo with a 1-0 lead in the series at the IE M Dallas Closed Qualifier! VAMOUZ

📺

30) Looks like someone got stuff to do this afternoon and wants this series to be over fast 👀

31) In 45 minutes, we're fighting for survival in the IEM Dallas closed qualifier. Our first obstacle is th e BO3 vs. CHP Flames at 14:30 CEST! VAMOUZ

📺

32) : big thanks to and for sending this sweet package 😍

i didnt even know razer made custom mousepads, stu…

33) _lol 🚀

34) Full video:

35) These PGLMajorAntwerp stickers look nice ⍰⍰⍰

36) We win 2-0 and move on in the bracket. Tomorrow our IEM Dallas fate will be decided. VAMOUZ

37) The win on Vertigo is in the bag, now we have the chance to close out the series on Inferno in th e IEM Dallas Closed Qualifier! VAMOUZ

📺

38) We want to thank for his work and time at MOUZ and wish him the best for his future endeavo urs.

In [637]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) What exactly is confusing?

2) Haters: yOuR nEW LOgO sUCks
MOUZ Stickers:

3) unfortunately, we didn't survive the legends stage aka rmr group a

4) Not sure about that 🤔

5) The time for revenge is upon us. IEM Dallas Closed Qualifier vs. at 19:00 CEST! VAMOUZ

6) 10-5 is a half time score we can work with 💪

7) Let's go, it's do or die now in the IEM Dallas Closed Qual! VAMOUZ

📺

In [638]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) _cs55 _OPS 🤣

2) _keinBot Das Logo bleibt.

3) _keinBot Da beißt die Maus keinen Faden ab.

4) They were already the most expensive stickers before the RMR tournament.

5) 📞

6) 📈

7) ⍰

8) *na's

9) We missed this like we missed the PGLMajor

10) Welp...

11) It will be glorious whenever they come out.

12) same as two pglmajor teams

13) we made this joke today

14) we can promise you this pglmajor we will go undefeated

15) Time to unfollow

16) Next time it will be 1st 🙏🙏🙏

17) : Got 2nd 3 times in a row for online CPT, well played everybody until next time!

18) Now you know 😉

19) 🏆🏆Deutscher Meister (again!) 🏆🏆

VAMOUZ ESLMeisterschaft

20) ❤️

21) MOUZ sticker

22) MOUZ geht‘s 💪💪
VAMOUZ HanseMerkurEsports

23) 😍

24) _dach Diesmal beenden wir, was wir angefangen haben.
VAMOUZ

25) _dach

26) Just remember...

THIS IS MOUSESPORTS

27) _dach Nur Headshots diesen Split VAMOUZ

28)

29) : streaming some counter-strike 😍🔥

30) Die Mäuse fahren nach Dallas!

31) _ Gute Arbeit Jungs!

32) 🙌🙌🙌

33) What a day! We 2-0 two PGLMAJOR Legends teams today! VAMOUZ

34) See you all in Dallas at IEM 🤑 VAMOUZ

35) Oh no, it's gonna be OT 😱

36) I'm not nervous, you're nervous

37) 10 rounds on CT side 👏 let's get 6 rounds on T side 🙏 VAMOUZ

38) Dis guy tho 😍🤤😍

39) 1. MOUZ removed Dust2 ❌
2. BIG removed Inferno ❌
3. MOUZ picked Ancient ✅
4. BIG picked Vertigo ✅
5. MOUZ removed Overpass ❌
6. BIG removed Nuke ❌
7. Mirage was left over ❓

40) Hmmm also looks like an sticker 🤔

41) _0223 Make a Bymas one!

42) Gonna tell my kids this is the MOUZ Glitter Sticker

43) Another score we can defo work with: 11-4 on Vertigo. 💪
Maybe it's time for to (Verti)go home now 👀

44) No.

45) Raising to 18-4 and 196 ADR 😮

46) 1. MOUZ removed Overpass ❌
2. Copenhagen Flames removed Inferno ❌
3. MOUZ picked Mirage ✅
4. Copenhagen Flames picked Vertigo ✅
5. MOUZ removed Nuke ❌
6. Copenhagen Flames removed Dust2 ❌
7. Ancient was left over ❔

47) ⍰

48) _dach: "Erfolg stellt sich ein, wenn man mehr tut als nötig. Und das immer."

09.05.2022 | DACHevolution

49) VAMOUZ

50) _dach Wir wussten nicht, dass du Deutsch sprichst 🤔

51) _Charly

52) _Charly No, who asked

53) _Charly who?

54) how to get kicked as an esports camera guy:

55) Press F in chat ...

QUESTION #2: TEAMLIQUIDCS

Loading [MathJax]/jax/output/CommonHTML/fonts/TeX/fontdata.js

In [594]:

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [595]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [596]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [597]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [639]:

```
posts= api.user_timeline(screen_name='TeamLiquidCS',count=100,tweet_mode='extended')
```

In [640]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) No excuses- a disappointing loss from us against @imperialesports that puts us in the 0 - 2 gauntlet at the #PGLMajor.

We're going to have to dig deep to keep us going through to the next stage of the Major. https://t.co/oK94YZva1o

2) Huge 3k from @shoxCSGO in graveyard to give us double digits in a close game #PGLMajor https://t.co/9rtPqIQfwT

3) .@NAFFLY's second thing to Smile about this week 😁

ACE on the pistol round 🔥 #PGLMajor https://t.co/se8yjXxQQk

4) Big 3k opening to take A site and take the round!

7 - 8 at half against @imperialesports -- time to bring this one home #PGLMajor https://t.co/dV195E8qre

5) We're LIVE against @imperialesports on Inferno for our 2nd match at @pglesports Antwerp Major !

#LETSGOLIQUID | #PGLMajor https://t.co/n2HuF2xaRP

6) RT @oSeecs: #NewProfilePic https://t.co/HyPxy1tpmY

7) RT @richlockphoto: #PGLMajor // @TeamLiquid https://t.co/2nw9YjMAuj

8) https://t.co/lLUMQYx39z

9) Tough first match loss 6 - 16 vs @G2esports

Took a little too long to get into our game but we had some solid individual plays, we head to the next map.
#PGLMajor https://t.co/8eOKG5gJOD

10) First match of the PGL Major. We've been working towards this moment and now it's time to put it on the line.

@pglesports Major game 1 vs @G2esports starts NOW!
#LETSGOLIQUID | #PGLMajor https://t.co/jkL4GHzIAB

In [641]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[641]:

	Tweets
0	No excuses- a disappointing loss from us again...
1	Huge 3k from @shoxCSGO in graveyard to give us...
2	.@NAFFLY's second thing to Smile about this we...
3	Big 3k opening to take A site and take the rou...
4	We're LIVE against @imperialesports on Inferno...

	Tweets
...	...
95	@kickstar08_ @shoxCSGO correct
96	16 Majors.\n9 Years. \nOnly 5 players attended...
97	@TeamLiquid @coinbase @LiquidValorant OK now t...
98	@DuckIsKing @BLASTPremier @LuisSoares73772 @Ul...
99	Just 1 week short of overtaking the @FNATIC er...

100 rows × 1 columns

In [642]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [643]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [644]:

```
df
```

Out[644]:

	Tweets
0	No excuses- a disappointing loss from us again...
1	Huge 3k from in graveyard to give us double d...
2	.'s second thing to Smile about this week 😁\n\...
3	Big 3k opening to take A site and take the rou...

	Tweets
4	We're LIVE against on Inferno for our 2nd mat...
...	...
95	_ correct
96	16 Majors.\n9 Years. \nOnly 5 players attended...
97	OK now this is amazing! Who is going to get...
98	we don't mind😎
99	Just 1 week short of overtaking the era 👀

100 rows × 1 columns

In [645]:

```
analysis=TextBlob("Today was the best day ")
```

In [646]:

```
analysis.sentiment
```

Out[646]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [647]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
    return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
    return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [648]:

```
df
```

Out[648]:

	Tweets	Subjectivity	Polarity
0	No excuses- a disappointing loss from us again...	0.400000	-1.343750e-01
1	Huge 3k from in graveyard to give us double d...	0.433333	1.850372e-17
2	.'s second thing to Smile about this week 😁\n\...	0.166667	3.333333e-02
3	Big 3k opening to take A site and take the rou...	0.222222	-1.388889e-01
4	We're LIVE against on Inferno for our 2nd mat...	0.333333	7.149621e-02
...	...	...	...
95	_ correct	0.000000	0.000000e+00
96	16 Majors.\n9 Years. \nOnly 5 players attended...	0.700000	-2.000000e-01
97	OK now this is amazing! Who is going to get...	0.700000	6.250000e-01
98	we don't mind😎	0.000000	0.000000e+00
99	Just 1 week short of overtaking the era 👀	0.300000	0.000000e+00

100 rows × 3 columns

In [ ]:

In [649]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
   if score<0:
      return 'Negative'
   elif score==0:
      return 'Neutral'
   else:
      return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[649]:

	Tweets	Subjectivity	Polarity	Analysis
0	No excuses- a disappointing loss from us again...	0.400000	-1.343750e-01	Nega-tive
1	Huge 3k from in graveyard to give us double d...	0.433333	1.850372e-17	Positive
2	.'s second thing to Smile about this week 😁\n\...	0.166667	3.333333e-02	Positive
3	Big 3k opening to take A site and take the rou...	0.222222	-1.388889e-01	Nega-tive
4	We're LIVE against on Inferno for our 2nd mat...	0.333333	7.149621e-02	Positive
...	...	...	...	...
95	_ correct	0.000000	0.000000e+00	Neutral
96	16 Majors.\n9 Years. \nOnly 5 players attended...	0.700000	-2.000000e-01	Nega-tive
97	OK now this is amazing! Who is going to get...	0.700000	6.250000e-01	Positive
98	we don't mind😎	0.000000	0.000000e+00	Neutral
99	Just 1 week short of overtaking the era 👀	0.300000	0.000000e+00	Neutral

100 rows × 4 columns

In [650]:

```
df[df['Analysis']=='Neutral']
```

Out[650]:

	Tweets	Subjectivity	Polarity	Analysis
5	: NewProfilePic	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
6	: PGLMajor //	0.000000	0.0	Neutral
7		0.000000	0.0	Neutral
24	DH Open Stockholm 2015\n🆚 VP - Cobblestone\n\n...	0.500000	0.0	Neutral
26	_fps 🙏🙏	0.000000	0.0	Neutral
27	: Wtf, I just invested my entire life into c...	0.741667	0.0	Neutral
31	_oNNNcs 😉	0.000000	0.0	Neutral
36	📪	0.000000	0.0	Neutral
38	: Team Liquid (Gold) | Antwerp 2022	0.000000	0.0	Neutral
39	_Lucid_ Let’s goooo!!!!	0.000000	0.0	Neutral
40	_Lucid_: definitely knows how to send a welco...	0.500000	0.0	Neutral
43	😂	0.000000	0.0	Neutral
44	You can either open sticker capsules in-game...	0.500000	0.0	Neutral
45	That's what you think 😉	0.000000	0.0	Neutral
46	oSee (Glitter) | Antwerp 2022	0.000000	0.0	Neutral
47	Team Liquid (Gold) | Antwerp 2022	0.000000	0.0	Neutral
48	EliGE (Holo) | Antwerp 2022	0.000000	0.0	Neutral
49	nitr0 (Regular or Glitter idk) | Antwerp 2022	0.076923	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
50	shox (Gold) | Antwerp 2022	0.000000	0.0	Neutral
52	NAF (Holo) | Antwerp 2022	0.000000	0.0	Neutral
53	Team Liquid (Glitter) | Antwerp 2022	0.000000	0.0	Neutral
56	: Ayyyyy get ya stickers 👊🏾👊🏾👊🏾	0.000000	0.0	Neutral
57	damn	0.000000	0.0	Neutral
63		0.000000	0.0	Neutral
64	: Shall we go again... Copenhagen? \n\nFall Fi...	1.000000	0.0	Neutral
67	We head to overtime on Map 3 to fight for our ...	0.000000	0.0	Neutral
69	you just had to say something	0.000000	0.0	Neutral
71	We take the lead 13 - 12 on Ancient with some ...	0.100000	0.0	Neutral
75	. with the high-awareness ACE 🔥 \n\n | LetsGoL...	0.000000	0.0	Neutral
78	LEGEND 🔥🔥🔥	0.000000	0.0	Neutral
82	Your work speaks for itself! Well done	0.000000	0.0	Neutral
85	😱👿	0.000000	0.0	Neutral
87	_Gaming _Jonas send it over we'll get it added...	0.000000	0.0	Neutral
88	🔥🔥🔥	0.000000	0.0	Neutral
95	_ correct	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
98	we don't mind 😎	0.000000	0.0	Neutral
99	Just 1 week short of overtaking the era 👀	0.300000	0.0	Neutral

In [651]:

```
df['Analysis'].value_counts()
```

Out[651]:

```
Positive    43
Neutral     37
Negative    20
Name: Analysis, dtype: int64
```

In [652]:

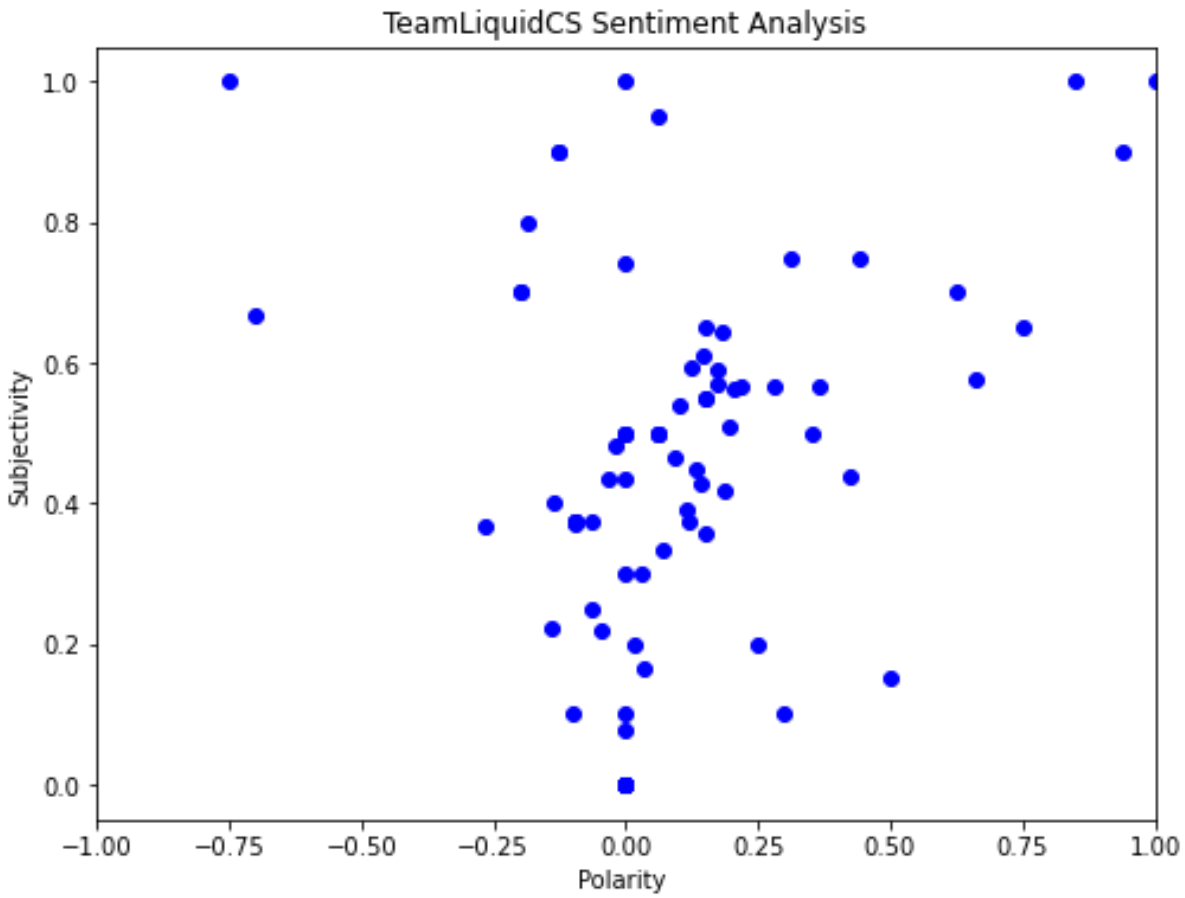
```
df.shape
```

Out[652]:

```
(100, 4)
```

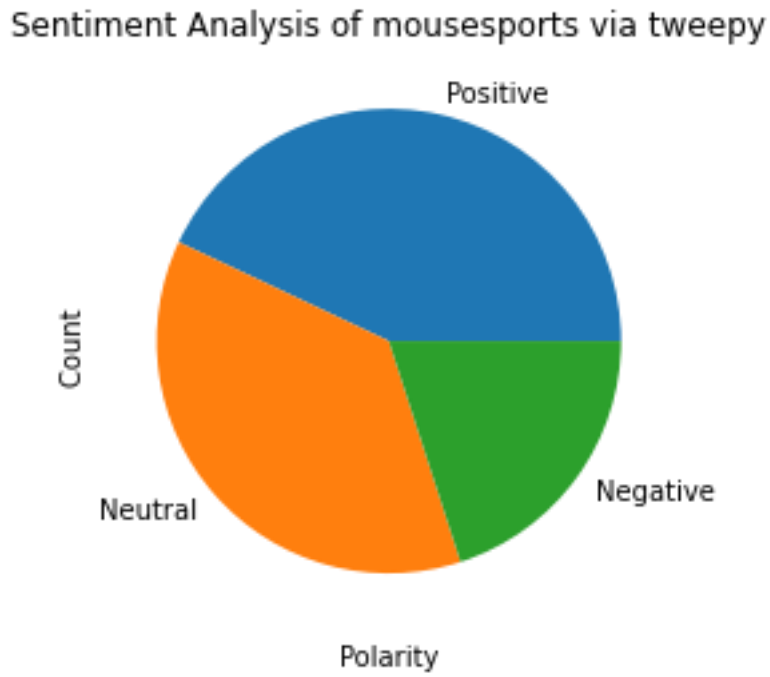
In [653]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("TeamLiquidCS Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



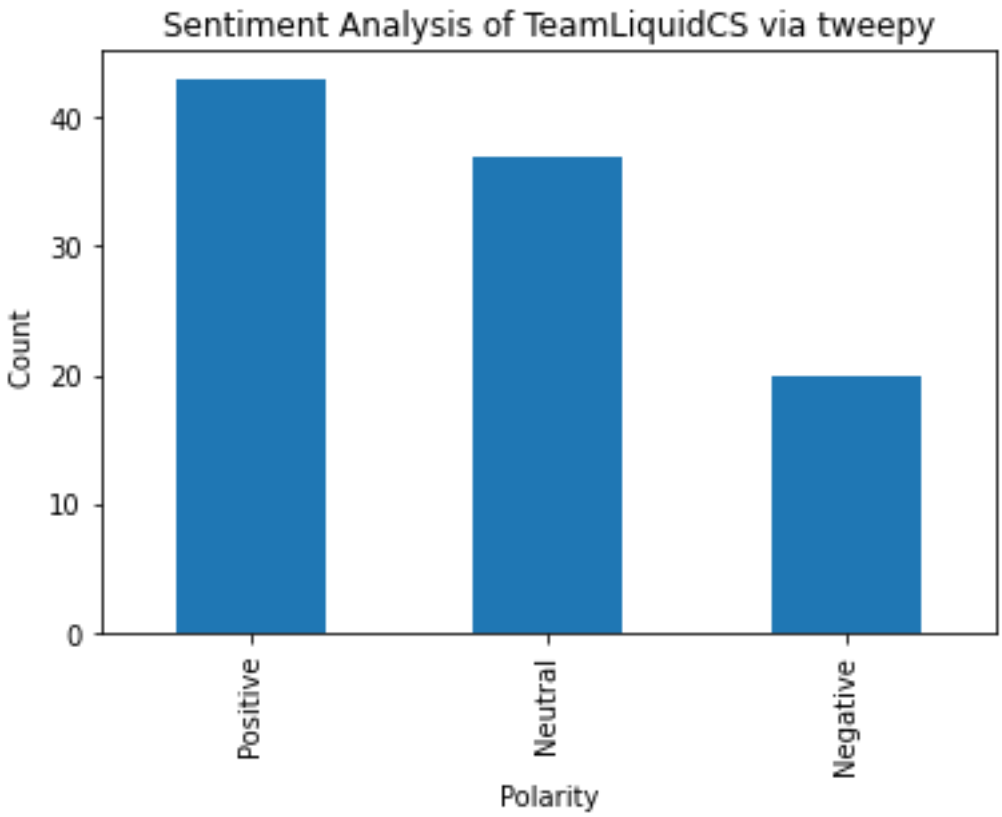
In [654]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of mousesports via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [655]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of TeamLiquidCS via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [656]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Huge 3k from in graveyard to give us double digits in a close game PGLMajor

2) .'s second thing to Smile about this week 😁

ACE on the pistol round 🔥 PGLMajor

3) We're LIVE against on Inferno for our 2nd match at Antwerp Major!

LETSGOLIQUID | PGLMajor

4) The team ranks their PGL Major 22 Contenders tier list and locks in their Pick 'Ems before our first match of the PGLMajor

Who else is getting the Diamond Coin this year!?
Watch📺:

5) : Getting excited for the upcoming Major? Take a stroll down Liquid Memory Lane and revisit our 1 most viewed map fro…

6) : Media day is finished today!

We got the major starting TOMORROW with our first match against . Had a good past week l…

7) StarLadder Berlin Major 2019
🆚 Astralis - Vertigo

Our first Major with Vertigo, we had a good run though the new map proved tough for us despite a h uge 2v4 from EliGE & Twistzz.

8) IEM Season XIII - Katowice Major 2019
🆚 ENCE - Inferno

Overtime on Inferno (as usual), plus our first Major with Stewie2k against the original ENCE lineup w ho surprised everyone at this event.

9) FACEIT Major: London 2018
🆚 Astrails - Mirage

Our first Major with Twistzz against the first Major of the Astralis dominance. Our first Major with Ta co on the team as well.

10) ELEAGUE Major: Boston 2018
🆚 NaVi - Inferno

Facing our old teammate with our coach zews as a stand-in gave us a very unique match.

11) ELEAGUE Major: Atlanta 2017
🆚 Astralis - Mirage

This one... didn't go so great. The beginning of the Astralis era and one of our unique lineups includin g _CSGO!

12) ESL One: Cologne 2016

🆚 SK - Train

Grand Finals showdown against our future IGL and the classic SK squad. Rematch from our previous Major.

13) MLG Major: Columbus 2016
🆚 Luminosity - Mirage

We don't like to talk about this one. jumping AWP shot that became one of the most iconic CSGO pl ays of all time.

14) Getting excited for the upcoming Major? Take a stroll down Liquid Memory Lane and revisit our 1 most viewed map from each year including some epic matches against VP, SK and NaVi.

Thread 👇 Which Major match was your favorite?

15) : Behind the Scenes👀

Thanks for all the love on our new video! We want to say a huge thank you to the team that brought th…

16) : Demo review vid of the _Esport game is live on YouTube now!

Condensed it a bit and will be doing more of them when I have m…

17) : Finally, something for to smile about ✊☺️

18) Haven't seen Something to Smile About yet?

Check it out📺

19) Behind the Scenes👀

Thanks for all the love on our new video! We want to say a huge thank you to the team that brought this to life. We're happy to see smile again.

20) Finally, something for to smile about ✊☺️

21) : Team Liquid PGL Major 2022 Stickers are here!🔥
Thread🧵:

Team Liquid (Holo) | Antwerp 2022

22) Team Liquid (Normal) | Antwerp 2022

23) Team Liquid PGL Major 2022 Stickers are here!🔥

Thread🧵:

Team Liquid (Holo) | Antwerp 2022

24) : BEST BDAY PRESENT 😭

25) Looking for more Team Liquid CS:GO? Check out the Voice Comms videos from on his channel!

Enjoy this epic win at vs with the whole team popping off 🔥

26) This tweet really wrote itself, congratulations!

27) Out of BLASTPremier after a 1 - 2 loss to in overtime. Tough loss for us but we'll keep working to wards the Major and focusing on improving.

GGs and good luck to all the Brazilian teams! BR

28) Big flank from keeps the first half close 6 - 6!

LetsGoLiquid | BLASTPremier

29) Solid first half against ends 9 - 6

 putting on a huge performance with the AWP💪

30) oSee with a HUGE ACE on Ancient!!

Don't think we can call it a 2v5 since got everyone sorry
 | LetsGoLiquid

31) We drop Map 1 to on Vertigo at BLASTPremier and head to Ancient to stay in.

 put up an impressive performance 28-17

Tune in for Map 2:

32) We're LIVE vs for BLASTPremier with Map 1 on Vertigo - time to keep our streak alive! LetsGoLiq uid

📺:

33) : If you want to see 3 cool guys talking about interesting CS stuff, you should click on it !!! <3

HyperX Table Talk: Leadersh…

34) _CSGO _tv _Nifty What a beautiful bottom row

35) Heading into the Major like 😼

 (edit by)

36) This is amazing!!

37) : What is 's favorite play of all time?
What is the best piece of advice has ever received to improve…

38) Or for further memory-laning, check out reacting tot the plays that made him famous!

39) What is 's favorite play of all time?
What is the best piece of advice has ever received to improve his game?

Find out in part 2 of Q&A:
👀

40) : Huge shoutout to for taking the time to review our match and write down helpful tips and note s for us to use in the futu…

41) Mega throwback to the first Major, DreamHack Winter 2013, with a shoxie clutch. How far we've come!

42) _slav _ Technically, until this major is over, it's still all 5.

43) OK now this is amazing! Who is going to get the spot??

In [657]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) No excuses- a disappointing loss from us against that puts us in the 0 - 2 gauntlet at the PGLMajor .

We're going to have to dig deep to keep us going through to the next stage of the Major.

2) Big 3k opening to take A site and take the round!

7 - 8 at half against -- time to bring this one home PGLMajor

3) Tough first match loss 6 - 16 vs

Took a little too long to get into our game but we had some solid individual plays, we head to the ne xt map.
PGLMajor

4) First match of the PGL Major. We've been working towards this moment and now it's time to put i t on the line.

Major game 1 vs starts NOW!
LETSGOLIQUID | PGLMajor

5) : As we head into the Major, we take a look back at our past and the legacy we've created. The hig hs and lows that define o…

6) Our bad, here ya go:

7) As we head into the Major, we take a look back at our past and the legacy we've created. The high s and lows that define our organization and the future we hope to create. Tomorrow- we begin PGL Antwerp 2022! LETSGOLIQUID

Edited by

8) PGL Major Stockholm 2021
VS FaZe - Mirage

Insane overtime that ended 22 - 19 despite a close game from us. Our last major with Stewie & Fallen, we gave FaZe a good game before they went on to win the tourney.

9) : MAJOR STICKERS ARE HERE!!!
...but which year's sticker is the GOAT?

Find out as the team ranks all the past TL sticker…

10) : See how the team ranked this years stickers compared to the Major stickers from the past.

11) See how the team ranked this years stickers compared to the Major stickers from the past.

12) MAJOR STICKERS ARE HERE!!!
...but which year's sticker is the GOAT?

Find out as the team ranks all the past TL stickers and reveals our 2022 design! 🔥
Watch📺:

13) : no one:

absolutely no one:

: "damnnnnnnn!"

14) no one:

absolutely no one:

: "damnnnnnnn!"

15) _CSGO _tv _Nifty :(

16) 16 - 13 for a W on Map 2 vs !
Big late game rally from us to lock in the decider map on Overpass at !

Don't miss the Map 3 finale:

17) We love seeing pick up the AWP! He hits a 3k with a nasty flick at the end to bring us even 5 - 5 v s here at BlastPremier

| LetsGoLiquid

18) absolutely crushed this 💪🔥

19) : 16 Majors.
9 Years.
Only 5 players attended them all.

One of those is . A legend of the game.

20) 16 Majors.
9 Years.
Only 5 players attended them all.

One of those is . A legend of the game.

In [658]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : NewProfilePic

2) : PGLMajor //

3)

4) DH Open Stockholm 2015
VS VP - Cobblestone

Throwback on Cobble (⍰) against the vintage Polish Plow that goes all the way to overtime featuring a top-fragging !

5) _fps 🙏🙏

6) : Wtf, I just invested my entire life into crypto bc of this ad. I love NAF

7) _oNNNcs 🤧

8) 📭

9) : Team Liquid (Gold) | Antwerp 2022

10) _Lucid_ Let’s goooo!!!!

11) _Lucid_: definitely knows how to send a welcoming gift… One of the coolest moments of my car eer and I can’t wait to ma…

12) 😂

13) You can either open sticker capsules in-game or try the Steam marketplace to buy an oSee stick er from another user!

14) That's what you think 😉

15) oSee (Glitter) | Antwerp 2022

16) Team Liquid (Gold) | Antwerp 2022

17) EliGE (Holo) | Antwerp 2022

18) nitr0 (Regular or Glitter idk) | Antwerp 2022

19) shox (Gold) | Antwerp 2022

20) NAF (Holo) | Antwerp 2022

21) Team Liquid (Glitter) | Antwerp 2022

22) : Ayyyyy get ya stickers 🤘🤘🤘

23) damn

24)

25) : Shall we go again... Copenhagen?

Fall Final
Royal Arena

November 2022

26) We head to overtime on Map 3 to fight for our tournament lives vs

Don't miss the finale of the series! BLASTPremier
📺:

27) you just had to say something

28) We take the lead 13 - 12 on Ancient with some big retakes!!

Need to take this map home to get to Overpass
BLASTPremier | LetsGoLiquid

29) . with the high-awareness ACE 🔥

| LetsGoLiquid

30) LEGEND 🔥🔥🔥

31) Your work speaks for itself! Well done

32) 😱😾

33) _Gaming _Jonas send it over we'll get it added to the TL GIPHY

34) 🔥🔥🔥

35) _ correct

36) we don't mind😎

37) Just 1 week short of overtaking the era 👀

QUESTION #2: COMPLEXITY

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [595]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [596]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [597]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [659]:

```
posts= api.user_timeline(screen_name='Complexity',count=100,tweet_mode='extended')
```

In [660]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) Challengers Stage Day 2, let's roll 🎡

🆚 Outsiders
🔔 @COLUpdate
📺 https://t.co/N74KraIcwX

#WeAreCOL | #PGLMajor https://t.co/qVbKbUB9w4

2) .@DiazBiffle is clearly the G.O.A.T.

@thebakabros | @Repullze | @LuckyChamu https://t.co/KHsMBlEK4j

3) We might need a new series called, "Things @Maddynf says?"

Introducing exhibit A. 🧷🧷🧷

@UpshallGames | @coL_Punisher https://t.co/0HZQfUo8MM

4) Our #PGLMajor run begins! 💪

🆚 @TeamVitality
🔔 @COLUpdate
📺 https://t.co/ATSsmUAVZ8

#WeAreCOL | #COLCS https://t.co/gDyy7eupHd

5) RISE AND SHINE ITS #PGLMAJOR TIME 🌞 https://t.co/wiqiS3msJU

6) Priorities https://t.co/a0qSs04y7k

7) Climbing our way back up in #ALGS! [Live now 🔴]

🔔 @COLUpdate
📺 https://t.co/4e78pXUe1d

#WeAreCOL | #COLAPEX https://t.co/W4pY8QfXHU

8) Apex Squad back at it again! 🤜
@vickypalami is joined by @PistilloMx for this weeks highlights!

@monsoon | @ninjayla | @cloakzy | @Apryze_ | @ReptarRB https://t.co/Go4PVtGCFO

9) @MaXe_VIP Have a great one 🤍

10) Happy birthday, @MaXe_VIP! 🎉🎉🎉 https://t.co/aBusEr0dBx

In [661]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[661]:

	Tweets
0	Challengers Stage Day 2, let's roll 😤\n\n🆚 Out...
1	.@DiazBiffle is clearly the G.O.A.T.\n\n@theba...
2	We might need a new series called, "Things @Ma...

	Tweets
3	Our #PGLMajor run begins! 💪\n\n🆚 @TeamVitality...
4	RISE AND SHINE ITS #PGLMAJOR TIME 🌞 https://t...
...	...
95	@FIFAe @JoksanRedona 💪💙 @JoksanRedona
96	A word from @FaNgJC before your regularly sche...
97	CAN'T STOP THE FLOP 🚫\n\n#WeAreCOL | @floppyCS...
98	Have you ever wondered what @floppyCSGO favori...
99	"Can't Stop The Flop"\n\nNew Merch Available f...

100 rows × 1 columns

In [662]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#","",text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [663]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [664]:

```
df
```

Out[664]:

	Tweets
0	Challengers Stage Day 2, let's roll 😤\n\n🆚 Out...
1	. is clearly the G.O.A.T.\n\n | |

	Tweets
2	We might need a new series called, "Things sa...
3	Our PGLMajor run begins! 💪\n\n🆚 \n🔔 \n📺 \n\n...
4	RISE AND SHINE ITS PGLMAJOR TIME 🌞
...	...
95	💪💙
96	A word from before your regularly scheduled p...
97	CAN'T STOP THE FLOP 🚫\n\nWeAreCOL |
98	Have you ever wondered what favorite burger c...
99	"Can't Stop The Flop"\n\nNew Merch Available f...

100 rows × 1 columns

In [665]:

```
analysis=TextBlob("Today was the best day ")
```

In [666]:

```
analysis.sentiment
```

Out[666]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [667]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
    return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
    return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [668]:

```
df
```

Out[668]:

	Tweets	Subjectivity	Polarity
0	Challengers Stage Day 2, let's roll 🤒\n\n🆚 Out...	0.000000	0.000000
1	. is clearly the G.O.A.T.\n\n | |	0.383333	0.100000
2	We might need a new series called, "Things sa...	0.454545	0.136364
3	Our PGLMajor run begins! 💪\n\n🆚 \n🔔 \n📺 \n\n...	0.000000	0.000000
4	RISE AND SHINE ITS PGLMAJOR TIME 🌞	0.000000	0.000000
...	...	...	...
95	💪💙	0.000000	0.000000
96	A word from before your regularly scheduled p...	0.076923	0.000000
97	CAN'T STOP THE FLOP 🚫\n\nWeAreCOL |	0.000000	0.000000
98	Have you ever wondered what favorite burger c...	0.700000	0.218750
99	"Can't Stop The Flop"\n\nNew Merch Available f...	0.618182	0.178788

100 rows × 3 columns

In [ ]:

In [669]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
  if score<0:
    return 'Negative'
  elif score==0:
    return 'Neutral'
  else:
    return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
```

df

Out[669]:

	Tweets	Subjectivity	Polarity	Analysis
0	Challengers Stage Day 2, let's roll 😤\n\n🆚 Out...	0.000000	0.000000	Neutral
1	. is clearly the G.O.A.T.\n\n | |	0.383333	0.100000	Positive
2	We might need a new series called, "Things sa...	0.454545	0.136364	Positive
3	Our PGLMajor run begins! 💪\n\n🆚 \n🔔 \n📺 \n\n...	0.000000	0.000000	Neutral
4	RISE AND SHINE ITS PGLMAJOR TIME 🌞	0.000000	0.000000	Neutral
...	...	...	...	...
95	💪💙	0.000000	0.000000	Neutral
96	A word from before your regularly scheduled p...	0.076923	0.000000	Neutral
97	CAN'T STOP THE FLOP 🚫\n\nWeAreCOL |	0.000000	0.000000	Neutral
98	Have you ever wondered what favorite burger c...	0.700000	0.218750	Positive
99	"Can't Stop The Flop"\n\nNew Merch Available f...	0.618182	0.178788	Positive

100 rows × 4 columns

In [670]:

```
df[df['Analysis']=='Neutral']
```

Out[670]:

	Tweets	Subjectivity	Polarity	Analysis
0	Challengers Stage Day 2, let's roll 😤\n\n🆚 Out...	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
3	Our PGLMajor run begins! 💪\n\n🆚 \n🔔 \n📺 \n\n...	0.000000	0.0	Neutral
4	RISE AND SHINE ITS PGLMAJOR TIME 🌞	0.000000	0.0	Neutral
5	Priorities	0.000000	0.0	Neutral
7	Apex Squad back at it again! 🤼\n is joined by ...	0.000000	0.0	Neutral
11	Tap in for VCT Day 3! 🤼\n\n🆚 \n🔔 \n📺 \n\nWeA...	0.000000	0.0	Neutral
13	LET'S GO _Punisher 🦹‼‼	0.000000	0.0	Neutral
16	Sometimes it just needs to be done.	0.000000	0.0	Neutral
17	_ _VAL Big fan of _	0.100000	0.0	Neutral
18	This man was just trying to get to the summit ...	0.000000	0.0	Neutral
20	The jump scare builds character 😱\n\nCaughtIn4k	0.000000	0.0	Neutral
22	Running through VCT Open Qualifiers today 👊\n\...	0.500000	0.0	Neutral
23	Zoomers rise up	0.000000	0.0	Neutral
24	Haters praying on NA's downfall	0.000000	0.0	Neutral
30	🧡	0.000000	0.0	Neutral
37	_CS 💀	0.000000	0.0	Neutral
38	Complexity stickers have returned! 😜\n\nShow o...	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
39	: yay	0.000000	0.0	Neutral
40	: 😟😟	0.000000	0.0	Neutral
42	: I have a sticker in the game... 😵😵 🙏	0.000000	0.0	Neutral
45	we miss the halo 1 damage... 😥\n\n | | _JB | ...	0.000000	0.0	Neutral
52	Time to show what we are made of tomorrow!\n\n...	0.000000	0.0	Neutral
53		0.000000	0.0	Neutral
58	Playing off-stream for this match! Stream li...	0.000000	0.0	Neutral
63	gotta go match is starting	0.100000	0.0	Neutral
64	yawn	0.000000	0.0	Neutral
66	_ _Val Valid	0.000000	0.0	Neutral
68	The boys are back in town 😎\n\n🆚 \n🔔 \n🖥 \n...	0.000000	0.0	Neutral
73	We're all watching the NFLDraft tonight. Keep ...	0.000000	0.0	Neutral
74	We predict the last 10 teams & their place...	0.066667	0.0	Neutral
76	Vote for _Jjx! ☑	0.000000	0.0	Neutral
77	why are the thighs affected...\n\n _JB	0.000000	0.0	Neutral
79	yet somehow still not enough	0.500000	0.0	Neutral
80	for $44B could've bought 1,571,428,571 "Can't...	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
81	GGs 💛	0.000000	0.0	Neutral
83	We can't wait to see the home crowd at IEM Dal...	0.000000	0.0	Neutral
84	SEE Y'ALL AT IEM DALLAS 🤠\n\nWeAreCOL | COLWIN	0.000000	0.0	Neutral
85	You have until TONIGHT to get Flopped 😷\n\n👕	0.000000	0.0	Neutral
87	trusting the process	0.000000	0.0	Neutral
89	Locked and loaded. Winner qualifies for IEM Da...	0.000000	0.0	Neutral
90	GRIMMERS UNITE	0.000000	0.0	Neutral
91	The Flop remains unstoppable 😈\n\n👕	0.000000	0.0	Neutral
92	One series closer to hearing your hometown che...	0.000000	0.0	Neutral
95	💪💙	0.000000	0.0	Neutral
96	A word from before your regularly scheduled p...	0.076923	0.0	Neutral
97	CAN'T STOP THE FLOP 🚫\n\nWeAreCOL |	0.000000	0.0	Neutral

In [671]:

```
df['Analysis'].value_counts()
```

Out[671]:

```
Positive    47
Neutral     46
Negative     7
Name: Analysis, dtype: int64
```

In [672]:

```
df.shape
```

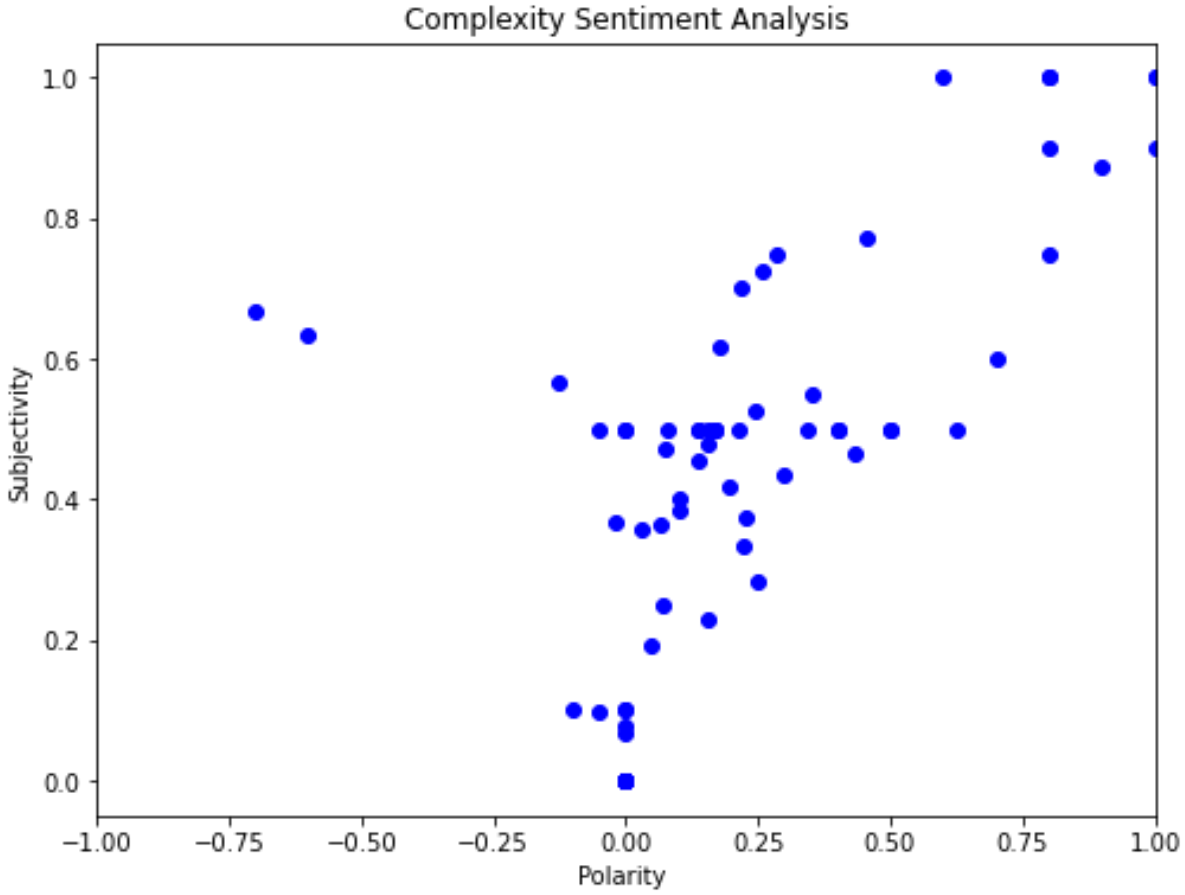
Out[672]:

```
(100, 4)
```

In [673]:

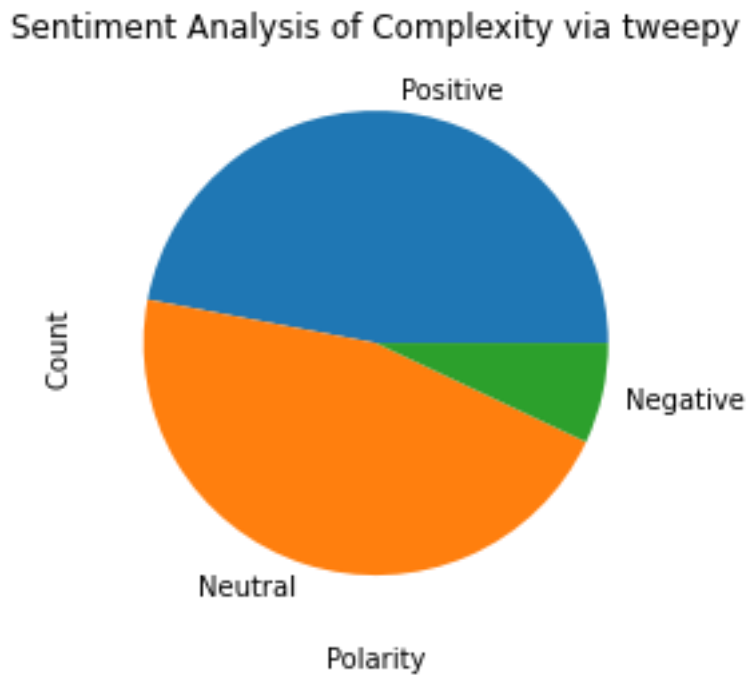
```
# plotting scatter plot
plt.figure(figsize=(8,6))
```

```
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("Complexity Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



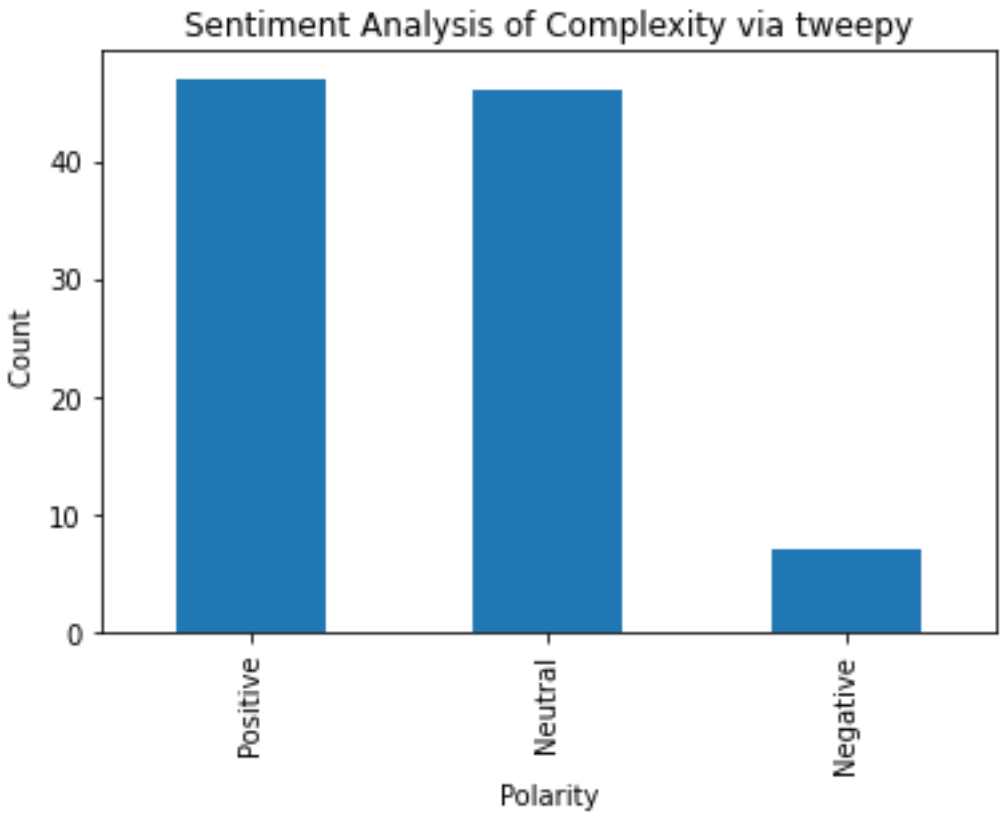
In [676]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of Complexity via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [677]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of Complexity via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [678]:

 # Lets get positive tweets only

```
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) . is clearly the G.O.A.T.

| |

2) We might need a new series called, "Things says?"

Introducing exhibit A. 📎📎📎

| _Punisher

3) Climbing our way back up in ALGS! [Live now 🔴]

🔔
📺

WeAreCOL | COLAPEX

4) _VIP Have a great one 💟

5) Happy birthday, _VIP! 🎉🎉🎉

6) Let's get to work 🎡

ALGS LCQ 2 is [LIVE NOW 🔴]
📺
🔔

WeAreCOL | COLAPEX

7) Have a wonderful birthday, ! 🥳🎉

8) We've had amazing support on the limited batch we released yesterday! So we're airdropping ano ther digital collectible to those that claimed the first 250!

Check your wallets!

Don't miss out on the next ComplexityGenesis batch. Join the discord:

9) Live soon for VCT Day 2! 🔥

🆚
🔔
📺

WeAreCOL | COLVAL

10) Playing off-stream for the first match against Nana's Biscuits.

All live match stream links will be posted to

11) The more the merrier! ApexLegends

12) That's a wrap for the first batch! Join Discord for updates on future drops and batches!

Discord:

13) There are only a few left in this batch! We are airdropping some additional perks to the owners o f the first 250!

14) Welcome to the club

15) Fans are the lifeblood of Complexity and you've played a large role in shaping our strategy for thi s digital collectible. ComplexityGenesis

19 years of legacy
1 drop
Absolutely Free

Claim one from the first batch of 250/2003
Visit

16) 2003 to 2022 and beyond.

19+ years of huge wins and heartbreaking losses.

No matter how much esports continues to evolve, Complexity is here to stay.

ComplexityGenesis dropping at 2PM CT

17) We pulled aside to talk about our new partnership with and our future with digital collectibles. ComplexityGenesis

18) Read the Full Release:

19) Today is a big day in the history books for Complexity.

We're proud to welcome as our Official Digital Collectibles Partner!

20) : Finally. So happy

21) : IM SO HAPPY

22) : Oh, happy day.. COLCS stickers are BACK!

WeAreCOL

23) We call it a 4-peat! 🏵 Welcome & for the 4th consecutive year.

Later this month, Soldier Showdown 4 will kick off and demonstrate the community-building power of gaming. WinningMatters ThisIsMySquad

Read More on the Partnership:

24) Welcome its about time! 🤝

25) this play never gets old

Impulse vs Shockwave? Let us know in the comments 👇

Full Video:

26) Our run is over and we finish the Kansas City Major in the Top 16.

Thank you for the support and we will see you in Orlando!

WeAreCOL | COLHALO | HCSKansasCity2022

27) Monsoon drops his mouse... Apryze takes one to the dome...

This weeks Apex Highlights are live with and

Full Vid:

28) Championship Sunday of the Kansas City Major is upon us!

🔔

WeAreCOL | COLHALO | HCSKansasCity2022

29) Happy birthday to the great ! 🥳🎂

30) The COLHALO squad is taking the main stage vs !

Tune in and send your energy for our first main stage appearance at Kansas City!

🔔
📺

WeAreCOL HCSKansasCity2022

31) Day 2 of the Kansas City Major
begins in 10 minutes. We are ready!

12:00pm CST vs
🔔

📺

WeAreCOL | COLHALO | HCSKansasCity2022

32) Important day. Live from TOTScup! 🙌⚽

🔔
📺 B stream

WeAreCOL | COLFIFA

33) Punching in for VCTChallengersNA Open Qualifiers Top 32 👊

Live 🆚
🔔

WeAreCOL | COLVAL

34) Good thing Overwatch 2 doesn't have fall damage either

OW2 highlights ⬇️

35) The COLHALO squad is locked in and ready to start day 1 of the Kansas City Major!

Match Updates ➡️

HCSKansasCity2022 WeAreCOL

36) ok last move

37) sometimes it be your own self

38) The RLCS Verizon 5G Ultra Cup is LIVE on our co-stream presented by ! 🚙🌸

🎙 &
🔔
🖥

WeAreCOL | COLRL | VAMOSCOL

39) Live from London competing in the TOTScup! 🙌⚽

🔔
📺

WeAreCOL | COLFIFA

40) Our jersey is now in FIFA! 🤩

You can get our jersey and more by tuning in to this weekend's matches 👉

WeAreCOL | COLFIFA

41) _Fantasy they must be so smart and talented

42) Come cheer us on in style with a limited-time only "Can't Stop The Flop" tee, available for onl y 2 more hours!

43) Now this is epic

44) New Highlights live on YouTube!

| |

45) We analyze the qualifying teams for ALGS with &

Who's going to come out on top and who do you want to take home the W?

ALGS2022

46) Have you ever wondered what favorite burger condiment is? Or perhaps, what thinks about on long flights to LAN's?

Well now you can ask for yourself by submitting questions to our CS:GO team!

47) "Can't Stop The Flop"

New Merch Available for this Weekend ONLY!

In [679]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) We are hiring a full-time Social Media Coordinator at Complexity!

Based in or around Frisco, TX
Live and breathe esports Twitter
Meme game on point

✍ Experience with live match coverage

Apply now:

2) 💊 Your daily dose of Complexity CSGO 💊

JT & Grim rank maps based on CT sides advantage.

| | | |

3) : Fans of - The first 250 people to claim the Genesis Collectible are going to have the chance to be given a bra…

4) be careful about your next move

5) Like for COLFIFA

Ignore for 100 years of bad luck

6) DOUBLE DOWN or SECOND CHANCE 👩‍⚖️⚖️
banappeals

7) Day 2 of the IEM Dallas Closed Qualifier begins 🔥

🆚
🔔
📺

WeAreCOL | COLCS

In [680]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Challengers Stage Day 2, let's roll 🎡

🆚 Outsiders
🔔
📺

WeAreCOL | PGLMajor

2) Our PGLMajor run begins! 💪

🆚

🔔
📺

WeAreCOL | COLCS

3) RISE AND SHINE ITS PGLMAJOR TIME 🌞

4) Priorities

5) Apex Squad back at it again! 🤜🤛
is joined by for this weeks highlights!

| | | _ |

6) Tap in for VCT Day 3! 🤜🤛

🆚
🔔
📺

WeAreCOL | COLVAL

7) LET'S GO _Punisher 💁‼‼

8) Sometimes it just needs to be done.

9) _ _VAL Big fan of _

10) This man was just trying to get to the summit 🤣🤣🤣

11) The jump scare builds character 😱

CaughtIn4k

12) Running through VCT Open Qualifiers today 👈

🔔

WeAreCOL | COLVAL

13) Zoomers rise up

14) Haters praying on NA's downfall

15) 🤝

16) _CS 💀

17) Complexity stickers have returned! 🤩

Show off your COLCS stickers in the replies below ⬇️

18) : yay

19) : 😟😟

20) : I have a sticker in the game… 😳😳 🙏

21) we miss the halo 1 damage... 😢

| | _JB | |

22) Time to show what we are made of tomorrow!

WeAreCOL COLHALO HCSKansasCity2022

23)

24) Playing off-stream for this match! Stream links will be posted on

25) gotta go match is starting

26) yawn

27) _ _Val Valid

28) The boys are back in town 😎

🆚
🔔
📺

WeAreCOL | COLCS

29) We're all watching the NFLDraft tonight. Keep your eyes peeled 👀 for the next Complexity Stars talent.

Let us know who you'd like to see on our roster in the comments 👇

30) We predict the last 10 teams & their placements for HCS.

_JB x

WeAreCol | HCSKansasCity2022

31) Vote for _Jjx! ☑️

32) why are the thighs affected...

_JB

33) yet somehow still not enough

34) for $44B could've bought 1,571,428,571 "Can't Stop The Flop" shirts (not including shipping and handling)

35) GGs 🤝

36) We can't wait to see the home crowd at IEM Dallas 👩‍🎤💜

WeAreCOL | COLWIN

37) SEE Y'ALL AT IEM DALLAS 🤠

WeAreCOL | COLWIN

38) You have until TONIGHT to get Flopped 🎡

🏆

39) trusting the process

40) Locked and loaded. Winner qualifies for IEM Dallas us

🆚
🔔
📺

WeAreCOL | COLCS

41) GRIMMERS UNITE

42) The Flop remains unstoppable 😈

🏆

43) One series closer to hearing your hometown cheers at IEM Dallas 💪

COLWIN | COLCS

44) 💪💜

45) A word from before your regularly scheduled programming 📢

WeAreCOL | COLCS

46) CAN'T STOP THE FLOP 🚫

WeAreCOL |

QUESTION #2: IMPERIALESPORTS

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [595]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [596]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [597]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [681]:

```
posts= api.user_timeline(screen_name='imperialesports',count=100,tweet_mode='extended')
```

In [682]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) RT @Boltz: precisamos de 2 MD3 pra passar de fase e a gente vai passar 👊 GGwp BNE

2) TORCEDORES CALMA

A @_badnewseagles soube aproveitar o jogo e nos venceu por 16x12

Amanhã começa as MD3, é proibido desistir, obrigado a todos que continuam acreditando vocês são nosso combustível 💚

#GoIMP #PGLMajor https://t.co/JhbQ8HL64w

3) RESPIRAA 1x2 do @vini_csgo, bora levar pro OT

🖥 https://t.co/fY2XAoWMFC

📺 https://t.co/2U3UNINo6q

#GoIMP #PGLMajor https://t.co/X5aG4OpxpQ

4) LINGUIÇADOS - @vini_csgo

📺 https://t.co/fY2XAoWMFC
📺 https://t.co/2U3UNINo6q

#GoIMP #PGLMajor https://t.co/aVVmY50Agw

5) ROUND A ROUND 🙏 https://t.co/jocWbPeuco

6) EU ESCOLHI ACREDITAR

#GoIMP #PGLMajor

7) RT @Gaules: EU TENHO FÉ! EU AINDA ACREDITO!!! 🔥

📺 https://t.co/at8EchJtfm https://t.co/2zZ8zlcn50

8) RT @YurizinnBsb: Eu acredito @imperialesports

9) RT @dust2_br: QUE PISTOL LINDO DE CT 😍

É DISSO QUE PRECISAMOS @imperialesports

#PGLMajor

10) RT @ExitLagBR: Enviando todas minhas energias positivas aqui pra @imperialesports! #IMPurra #GoIMP

In [683]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[683]:

	Tweets
0	RT @Boltz: precisamos de 2 MD3 pra passar de f...
1	TORCEDORES CALMA\n\nA @_badnewseagles soube ap...
2	RESPIRAA 1x2 do @vini_csgo, bora levar pro OT\...

	Tweets
3	LINGUIÇADOS - @vini_csgo \n\n🖥 https://t.co/f...
4	ROUND A ROUND 🙏 https://t.co/jocWbPeuco
...	...
95	Fiquem ligados que jaja tem OLHA O VLOG 😊
96	OLHA O REELS 🔥\n\nhttps://t.co/fsDsp89v7o
97	https://t.co/TjZsqFbDdn
98	Amanhã é o dia tão esperado por toda nação, am...
99	O Major está chegando e o que já estava bom fi...

100 rows × 1 columns

In [684]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#","",text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [685]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [686]:

```
df
```

Out[686]:

	Tweets
0	: precisamos de 2 MD3 pra passar de fase e a g...
1	TORCEDORES CALMA\n\nA @_badnewseagles soube ap...

	Tweets
2	RESPIRAA 1x2 do _csgo, bora levar pro OT\n\n🖥...
3	LINGUIÇADOS - _csgo \n\n🖥 \n🖥 \n\nGoIMP PGLM...
4	ROUND A ROUND 🙏
...	...
95	Fiquem ligados que jaja tem OLHA O VLOG 😊
96	OLHA O REELS 🔥\n\n
97	
98	Amanhã é o dia tão esperado por toda nação, am...
99	O Major está chegando e o que já estava bom fi...

100 rows × 1 columns

In [687]:

```
analysis=TextBlob("Today was the best day ")
```

In [688]:

```
analysis.sentiment
```

Out[688]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [689]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [690]:

```
df
```

Out[690]:

	Tweets	Subjectivity	Polarity
0	: precisamos de 2 MD3 pra passar de fase e a g...	0.0	0.0000
1	TORCEDORES CALMA\n\nA @_badnewseagles soube ap...	0.0	0.0000
2	RESPIRAA 1x2 do _csgo, bora levar pro OT\n\n🖥...	0.0	0.0000
3	LINGUIÇADOS - _csgo \n\n🖥 \n🖥 \n\nGoIMP PGLM...	0.0	0.0000
4	ROUND A ROUND 🙏	0.4	-0.2000
...	...	...	...
95	Fiquem ligados que jaja tem OLHA O VLOG 😊	0.0	0.0000
96	OLHA O REELS 🔥\n\n	0.0	0.0000
97		0.0	0.0000
98	Amanhã é o dia tão esperado por toda nação, am...	0.5	0.0625
99	O Major está chegando e o que já estava bom fi...	0.5	0.0625

100 rows × 3 columns

In [ ]:

In [691]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
    if score<0:
        return 'Negative'
    elif score==0:
        return 'Neutral'
    else:
        return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
```

df

Out[691]:

	Tweets	Subjectivity	Polarity	Analysis
0	: precisamos de 2 MD3 pra passar de fase e a g...	0.0	0.0000	Neutral
1	TORCEDORES CALMA\n\nA @_badnewseagles soube ap...	0.0	0.0000	Neutral
2	RESPIRAA 1x2 do _csgo, bora levar pro OT\n\n🖥...	0.0	0.0000	Neutral
3	LINGUIÇADOS - _csgo \n\n🖥 \n🖥 \n\nGoIMP PGLM...	0.0	0.0000	Neutral
4	ROUND A ROUND 🙏	0.4	-0.2000	Negative
...	...	...	...	...
95	Fiquem ligados que jaja tem OLHA O VLOG 😁	0.0	0.0000	Neutral
96	OLHA O REELS 🔥\n\n	0.0	0.0000	Neutral
97		0.0	0.0000	Neutral
98	Amanhã é o dia tão esperado por toda nação, am...	0.5	0.0625	Positive
99	O Major está chegando e o que já estava bom fi...	0.5	0.0625	Positive

100 rows × 4 columns

In [692]:

```
df[df['Analysis']=='Neutral']
```

Out[692]:

	Tweets	Subjectivity	Polarity	Analysis
0	: precisamos de 2 MD3 pra passar de fase e a g...	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
1	TORCEDORES CALMA\n\nA @_badnewseagles soube ap...	0.0	0.0	Neutral
2	RESPIRAA 1x2 do _csgo, bora levar pro OT\n\n🖥...	0.0	0.0	Neutral
3	LINGUIÇADOS - _csgo \n\n🖥 \n🖥 \n\nGoIMP PGLM...	0.0	0.0	Neutral
5	EU ESCOLHI ACREDITAR \n\nGoIMP PGLMajor	0.0	0.0	Neutral
...	...	...	...	...
92	: Tentar dormir que chegou a hora! Amanha é di...	0.0	0.0	Neutral
93	👉 _csgo _CS	0.0	0.0	Neutral
95	Fiquem ligados que jaja tem OLHA O VLOG 😁	0.0	0.0	Neutral
96	OLHA O REELS 🔥\n\n	0.0	0.0	Neutral
97		0.0	0.0	Neutral

82 rows × 4 columns

In [693]:

```
df['Analysis'].value_counts()
```

Out[693]:

```
Neutral     82
Positive    12
Negative     6
Name: Analysis, dtype: int64
```

In [694]:

```
df.shape
```

Out[694]:

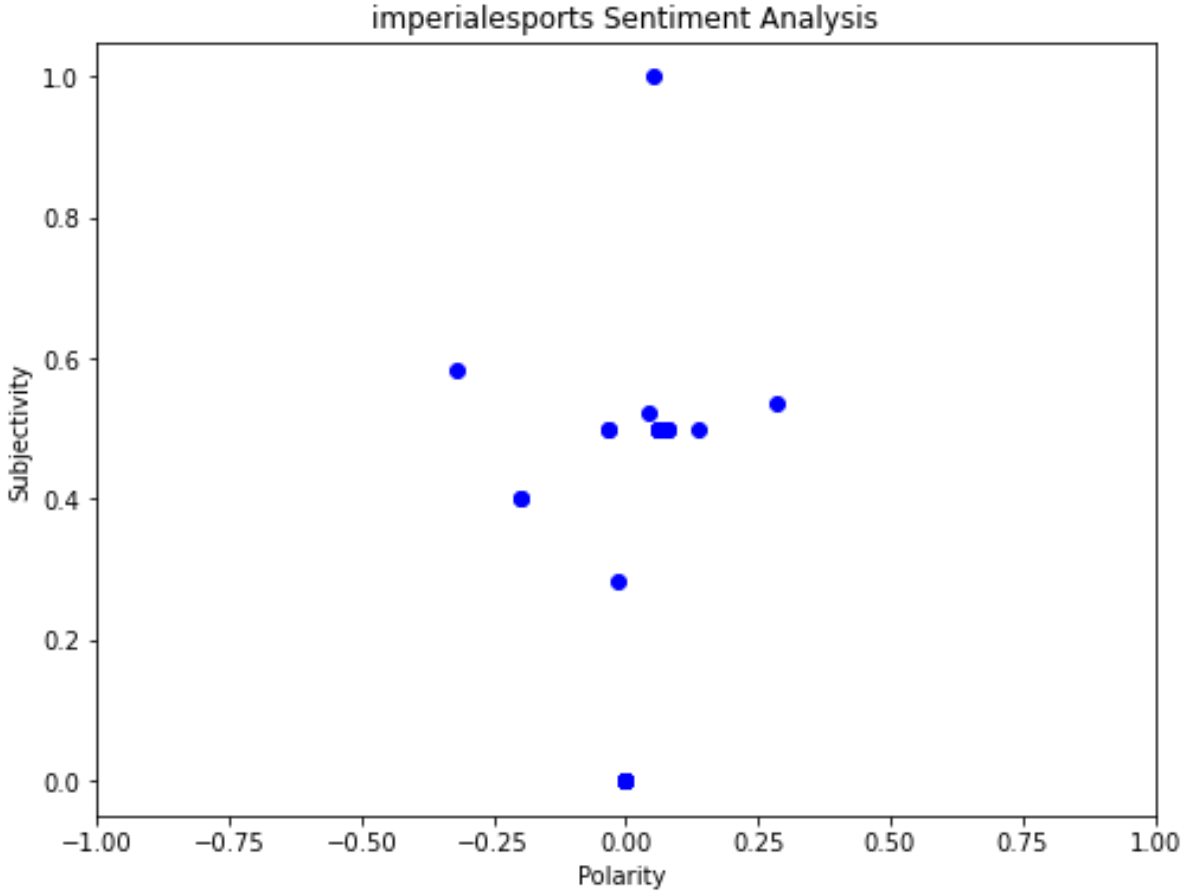
```
(100, 4)
```

In [695]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
    plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')
```

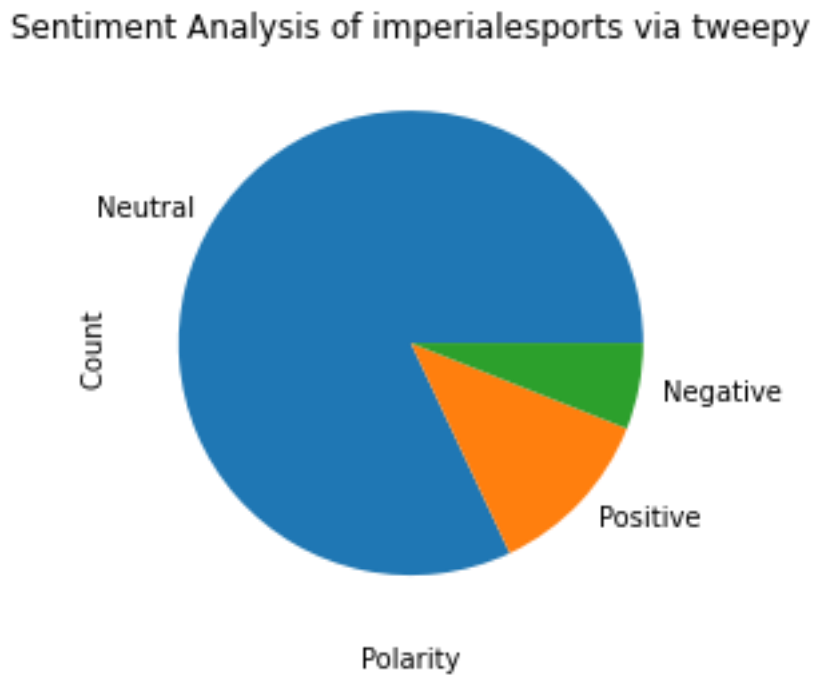
```
plt.title("imperialesports Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()
```

 # Only 3 neutral it is showing because it is overlapping



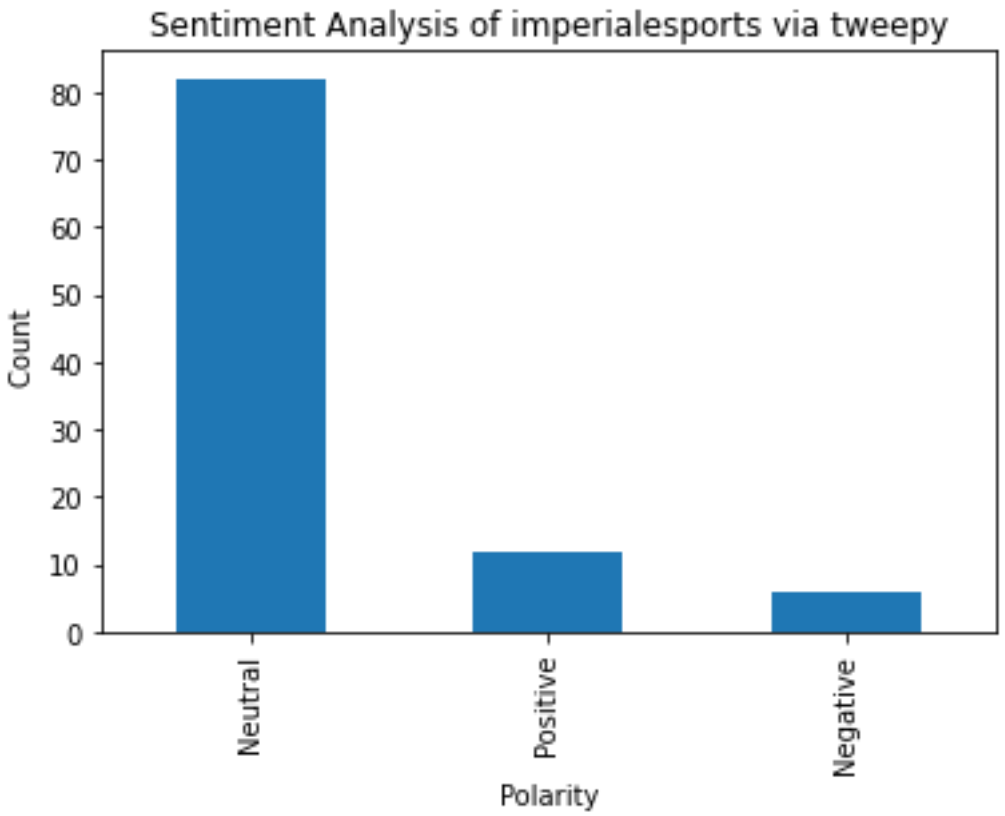
In [697]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of imperialesports via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [698]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of imperialesports via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [699]:

 # Lets get positive tweets only

```
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Segundo dia de Major e vamos em busca de mais conquistas!

Enfrentaremos a @_badnewseagles em uma MD3 🔥

Chama a tropa toda e vem torcer pra nossa seleção

É Imperial em campo, é Brasil 🇧🇷💚

🖥️
🖥️

GoIMP PGLMajor

2) : Os portões do maior estádio virtual do Planeta estão abertos! Major dia 2 Imperial em campo!

3) 🎥 VLOG DE HOJE ONLINE E ROTEANDO🎥

MAJOR ANTWERP '22 | ESTREIA vs SPIRIT e LIQUID!

📎Assista Completo:

4) : O BRASIL ESTÁ COM VOCÊS
TAKE MY ENERGY

5) : Temos mais uma chance de buscar esse major e confio no potencial de cada um de vocês pra cim a sempre 🔥 @…

6) _RiGhT: f n x PGLMajor

7) : O MOMENTO CHEGOU… THE LAST DANCE! 160k de gauleses... Eu quero ver essa TRIBONERA tre meeeer hoje nesse Major!

8) LIVE BASTIDORES ROLANDO

9) : Bom dia só pra quem acordou assim!

HOJE É DIA DE MAJOOOOORRRRR

GoIMP Major

10) 🎥VLOG NOVO NA ÁREA🎥

MAJOR ANTWERP 2022 | CHEGADA NA BÉLGICA E MEDIA DAY 📸

📎Assista Completo:

11) Amanhã é o dia tão esperado por toda nação, amanhã é dia de MAJOR.

Dia de escrever mais um importante capítulo em nossa história, e iremos assim, com nossa essência, levando a amizade e alegria para os servidores.

Quem vem dançar junto? 💚

12) O Major está chegando e o que já estava bom ficou ainda melhor, a subiu as ODDS pra 2.22 😱

👉 Quem já fez a fézinha com odds 2.00 continua 2.00, mas pode aproveitar novamente a de 2.22

📎

In [700]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) ROUND A ROUND 🙏

2) : Jaja começa o jogo
Vamos q vamos
Vertigo vs Bad News Eagles

1-1 @ major

3) : Eu, você e o Brasil tem um compromisso! É agora!
Imperial The Last Dance em campo no Major PGL 2022
Vem pra Tribonera:

4) IMP IMP URRA!

Conquistamos nossa primeira vitória no Major, 16x10 vs na Inferno

Jogaremos amanhã com adversário a se definir

Obrigado pela torcida, vamos juntos 💚

GoIMP DeuGreen PGLMajor

5) Round a round, VAMOS 👊

GoIMP PGLMajor

6) Chegou o grande dia 🔥, bora dar início na nossa caminhada no Major, vamos com aquele sorriso no rosto de sempre 💗

🆚 __Spirit - MD1

Vem pra torcidaaa 👊

🖥
🖥

GoIMP PGLMajor

In [701]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : precisamos de 2 MD3 pra passar de fase e a gente vai passar 👊 GGwp BNE

2) TORCEDORES CALMA

A @_badnewseagles soube aproveitar o jogo e nos venceu por 16x12

Amanhã começa as MD3, é proibido desistir, obrigado a todos que continuam acreditando vocês são nosso combustível 💗

GoIMP PGLMajor

3) RESPIRAA 1x2 do _csgo, bora levar pro OT

🖥
🖥

GoIMP PGLMajor

4) LINGUIÇADOS - _csgo

🖥
🖥

GoIMP PGLMajor

5) EU ESCOLHI ACREDITAR

GoIMP PGLMajor

6) : EU TENHO FÉ! EU AINDA ACREDITO!!! 🔥

📺

7) : Eu acredito

8) _br: QUE PISTOL LINDO DE CT 😍

É DISSO QUE PRECISAMOS

PGLMajor

9) : Enviando todas minhas energias positivas aqui pra ! IMPurra GoIMP

10) CÍRCULO DE ORAÇÃO DA IMPERIAL

🕯 🕯 🕯
🕯 🕯

🕯 IMPERIAL 🕯

🕯 🕯 🕯

GoIMP

11) : Vamoooo PGLMajor

12) : IMPurra

13) : Dia de empurrar a !!! BRBR

14) @_badnewseagles MD1****

15) : Quem ama a Imperial ta acordado agora sim!!!

Vamoooooo

GoIMP

16) : acordei cedo pra ver a , vamoooo.

17) Quem tá acordado aí?

Já deixa seu GoIMP 💗

18)

19) Boa noite, vejo vocês as 7h 😴

20) Precisa de mais o que? 🤣🤣🤣

21) O EDITOR ESTA OVERCLOCKADO

22) 🟣 _csgo _CS

23) : Já coloca na agenda!! Nós temos um compromisso!

24) : 🤝

ganhar da TL em jogo importante

25) Dia de muitas emoções, estamos 1-1 no PGLMajor

Amanhã mais um desafio pela frente, dessa vez contra @_badnewseagles às 07h00

Contamos com todos vocês 💜

26) O EDITOR TÁ MALUCO

27) E se eu falar pra vocês que o vlog de tudo que aconteceu hoje sai HOJE?

28) _csgo Amanhã já vai tá torcendo devidamente trajado 💥

29) O MVP dessa partida vai pro FERnomenal e monstro com 27kills ☠️🔥

GoIMP PGLMajor

30) A sempre mimando os torcedores 💜

Corre lá participar

31) : acredita 🙏 1-1

32) GG QUE FESTA LINDA NA TRIBONERA💜💜💜

GoIMP PGLMajor

33) VAMO 💜

15x10

GoIMP PGLMajor

34) 13X10

35) : QUE EMOÇÃO!!! É MAJOOOOR! 🔥💜

📺

36) : É TESTE PRA CARDÍACO PELO AMOR DE DEUS

GoIMP PGLMajor

37) NTC

38) MANO CORRE AQUI, A IMPERIAL TA ESPANCANDO O LIQUID

GoIMP PGLMajor

39) : VAMO! ACREDITA QUE VAI ! IMPurra PGLMajor

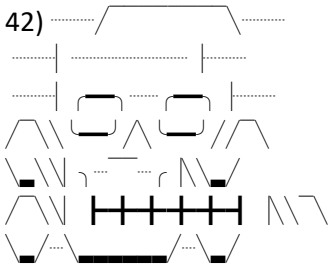
40) : BORA

IMP.URRA A

PEGUE SEU UNIFORME E FAÇA UM CROPPED

41) : se não é com emoção não é PGLMajor

42)



DONA MORTE PASSANDO NO SEU FEED -

43) PAPA MAIS BOLTALHA QUE GOSTOSO😋

GoIMP PGLMajor

44) : COMEEEEEEEEEÇO
VAMO COM TUDO IMPERIAL

GoIMP

45) _95: Gooo !! 💥💥

46) : Eu acreditooo ❤️💙

47) 1, 2, 3 IMPERIAL 💙

🖥️
🖥️

GoIMP PGLMajor

48) Segundo jogo do dia começando, enfrentaremos a em uma MD1

Acredita brasileirinho, ainda temos muito pela frente 💚

🖥
🖥

GoIMP PGLMajor

49) : What Polish food have you tried back then?

50) GoIMP 💚

Me conta aí qual sua parte favorita?

51) Imperial

52) : ESTOU SENDO AMEAÇADO!!!!!!!!

53) PFV VÁ PRO CINEMA

54) _csgo: Liquid as 14:30 👉

55) : Cabeça erguida . temos muitos jogos pela frente, bora resfriar a cabeça que daqui a pouco tem mais!

G…

56) Partida difícil, sabíamos que não teria jogo fácil!

6x16 vs __Spirit

Jogaremos ainda hoje 14h30 com adversário a se definir, vamos com confiança e muita vontade em busca da vitória 💚

GoIMP PGLMajor

57) : Não joguem a toalha GoIMP

58) : Boraaaa IMPERIAL _csgo

59) : Se não tem emoção não é Brasil, tem que acreditar na BR🙏

60) : Cheguei com o manto! A virada vem! GoIMP

61) _apoka: Caracaaa que doidera!!! Bora IMPurra porra!!!!

62) NÃO VAI TER 7X1

63) 😱

64) AI MEU CORAÇÃO

GoIMP PGLMajor

65) : literalmente no MEIO do OCEANO ATLÂNTICO

66) : pra cima, !!!!

67) Vaaamos 💗

68) Começouuuu 💗

🖥
🖥

GoIMP PGLMajor

69) : Presente tribonera. goIMP

70) Boooora Legadão 🔥💗

71) Já deixa aqui aquela foto de onde vocês estão torcendo pra nós 👇

72) Bom dia meus consagrados, que comecem os jogos

IMPurra PGLMajor

73) OMILDES, CONSEGUIMOS 💗

74)

75) IMPurra o 100k ai galera😟

76) Segue atestado médico para quem tem qualquer compromisso essa semana🩺

77) : AMANHÃ 9:30!

78) : Tentar dormir que chegou a hora! Amanha é dia de MAJOOOOOOOOOR

vamoooooo 💗

GoIMP

79) 👉 _csgo _CS

80) Fiquem ligados que jaja tem OLHA O VLOG 😁

81) OLHA O REELS 🔥

82)

QUESTION #2: LFOCSGO

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [595]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [596]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [597]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [702]:

```
posts= api.user_timeline(screen_name='LFOcsgo',count=100,tweet_mode='extended')
```

In [703]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) As we get ready to embark on Wednesday for another journey overseas, we would like to thank e veryone for their amazing support this year!! 😍😍 And thanks to @BenSaVageCS for the carry 😅 5.8mil 😱🤯 https://t.co/0k9nRZE0Lh

2) RT @IEM: With the EU Closed Qualifier complete, here are all 16 teams invited to #IEM Dallas! us

@FaZeClan
@FURIA
@natusvincere
@Astralis…

3) @Jerome_Coupez @ImpressioNCSGO 👀👀bootcamp you say?

4) Hey everyone! We're looking to have a 3 week bootcamp starting May 9th before competing in IE M Dallas and EPL Conference in Sweden. If anyone is willing to help, please contact us 😟😟 https:/ /t.co/xAKnxB4fFb

5) https://t.co/fwO8JkgcgZ https://t.co/1I4x9qgOZh

6) @NIPCS @CSGO https://t.co/EDYCPxF0nX

7) @ConkyOCE @IEM @ESLCS @KomodoAU @ordergaming_gg Love your work @KomodoAU &amp ; @ConkyOCE! ▯

8) @NIPCS @ordergaming_gg @VertexESC @hazr_cs W https://t.co/EsJtAEYmOi

9) Yeeeeeeeehaw! We are going to Dallas! 🤠 GGs to @ordergaming_gg and @VertexESC. https://t. co/Yh31agwDds

10) Grand finals vs @ordergaming_gg @ 7pm AEST / 9pm NZT. Winner goes to IEM Dallas. 😎

In [704]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[704]:

	Tweets
0	As we get ready to embark on Wednesday for ano...
1	RT @IEM: With the EU Closed Qualifier complete...
2	@Jerome_Coupez @ImpressioNCSGO 👀👀bootcamp you ...
3	Hey everyone! We're looking to have a 3 week b...
4	https://t.co/fwO8JkgcgZ https://t.co/1I4x9qgOZh
...	...
95	Round 2 vs OSTORA is now live: https://t.co/6Y...
96	We've got a bye for round 1 of the ME Asia Pac...
97	This weekend we are competing for a chance to ...

	Tweets
98	Update: All the refunds have been issued and t...
99	**ANNOUNCEMENT**\nWe will not be traveling to Duba...

100 rows × 1 columns

In [705]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [706]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [707]:

```
df
```

Out[707]:

	Tweets
0	As we get ready to embark on Wednesday for ano...
1	: With the EU Closed Qualifier complete, here ...
2	_Coupez 👀👀bootcamp you say?
3	Hey everyone! We're looking to have a 3 week b...
4	
...	...
95	Round 2 vs OSTORA is now live:
96	We've got a bye for round 1 of the ME Asia Pac...

	Tweets
97	This weekend we are competing for a chance to ...
98	Update: All the refunds have been issued and t...
99	**ANNOUNCEMENT**\nWe will not be traveling to Duba...

100 rows × 1 columns

In [708]:

```
analysis=TextBlob("Today was the best day ")
```

In [709]:

```
analysis.sentiment
```

Out[709]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [710]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [711]:

```
df
```

Out[711]:

	Tweets	Subjectivity	Polarity
0	As we get ready to embark on Wednesday for ano...	0.533333	0.445833
1	: With the EU Closed Qualifier complete, here ...	0.250000	0.012500
2	_Coupez 👀 👀bootcamp you say?	0.000000	0.000000
3	Hey everyone! We're looking to have a 3 week b...	0.425000	0.125000

	Tweets	Subjectivity	Polarity
4		0.000000	0.000000
...	...	...	...
95	Round 2 vs OSTORA is now live:	0.450000	-0.031818
96	We've got a bye for round 1 of the ME Asia Pac...	0.400000	-0.200000
97	This weekend we are competing for a chance to ...	0.366667	0.025000
98	Update: All the refunds have been issued and t...	0.000000	0.000000
99	**ANNOUNCEMENT**\nWe will not be traveling to Duba...	0.500000	0.062500

100 rows × 3 columns

In [ ]:

In [712]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
   if score<0:
      return 'Negative'
   elif score==0:
      return 'Neutral'
   else:
      return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[712]:

	Tweets	Subjectivity	Polarity	Analysis
0	As we get ready to embark on Wednesday for ano...	0.533333	0.445833	Positive
1	: With the EU Closed Qualifier complete, here ...	0.250000	0.012500	Positive

	Tweets	Subjectivity	Polarity	Analysis
2	_Coupez 👀 👀bootcamp you say?	0.000000	0.000000	Neutral
3	Hey everyone! We're looking to have a 3 week b...	0.425000	0.125000	Positive
4		0.000000	0.000000	Neutral
...	...	...	...	...
95	Round 2 vs OSTORA is now live:	0.450000	-0.031818	Negative
96	We've got a bye for round 1 of the ME Asia Pac...	0.400000	-0.200000	Negative
97	This weekend we are competing for a chance to ...	0.366667	0.025000	Positive
98	Update: All the refunds have been issued and t...	0.000000	0.000000	Neutral
99	**ANNOUNCEMENT**\nWe will not be traveling to Duba...	0.500000	0.062500	Positive

100 rows × 4 columns

In [713]:

```
df[df['Analysis']=='Neutral']
```

Out[713]:

	Tweets	Subjectivity	Polarity	Analysis
2	_Coupez 👀 👀bootcamp you say?	0.0	0.0	Neutral
4		0.0	0.0	Neutral
5		0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
7	_gg _cs W	0.0	0.0	Neutral
8	Yeeeeeeeehaw! We are going to Dallas! 🤠 GGs to...	0.0	0.0	Neutral
10		0.0	0.0	Neutral
11	2-1 ez vs	0.0	0.0	Neutral
13	: WE ARE G2	0.0	0.0	Neutral
14	1-0 in ESL Challenger Dallas Qual vs . Next ma...	0.0	0.0	Neutral
15	For you	0.0	0.0	Neutral
16	GG WP to and !	0.0	0.0	Neutral
18	20 mins to go! Who is still up?\n👁‍🗨👁	0.0	0.0	Neutral
19	VS \n⌚ 0:55 AEST / 2:55 NZT\n📺	0.0	0.0	Neutral
23		0.0	0.0	Neutral
24	Ratio'd by BenTheLegend	0.0	0.0	Neutral
25	We hope can make the lower bracket run happen 🙏	0.0	0.0	Neutral
26	CU ON LAN 👺	0.0	0.0	Neutral
29		0.0	0.0	Neutral
30	_cs	0.0	0.0	Neutral
31	_	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
32		0.0	0.0	Neutral
42	We lose 0-2 to in our final match for Pro Le...	1.0	0.0	Neutral
43	: You might not have won Pro League but you ha...	0.0	0.0	Neutral
47		0.0	0.0	Neutral
48	We deliver worldwide! 😊\n\n👉	0.0	0.0	Neutral
51	We are coming for you 🤠	0.0	0.0	Neutral
53	Today we are facing & co in our fourth P...	0.0	0.0	Neutral
54	: Like father, like son ESLProLeague	0.0	0.0	Neutral
56	⭕⬜⭕\n⭕⬜⬜\n⬜⭕⭕\nLet's do it! GL HF 🤜🤛	0.0	0.0	Neutral
57	⭕▪⭕\n⭕⬜⬜\n⬜▪⭕\nI think we both know whe...	0.0	0.0	Neutral
58	ČertíkPOG	0.0	0.0	Neutral
59	⭕▪▪\n⭕⬜⬜\n▪▪⭕	0.0	0.0	Neutral
60	Let's goooo\n⭕▪▪\n▪⬜▪\n▪▪⭕	0.0	0.0	Neutral
61	😎	0.0	0.0	Neutral
62	Wanna play some tic tac toe while we wait?\n⭕...	0.0	0.0	Neutral
63	Coach of the year 🤜	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
65	Get BenTheLegend some followers!	0.0	0.0	Neutral
66	_jonas Ratio'd by BenTheLegend	0.0	0.0	Neutral
68	: Please like + for BenTheLegend to raise awar...	0.0	0.0	Neutral
70	: _Heccu _ This is now a Ben Stan account 😷	0.0	0.0	Neutral
71	BenTheLegend	0.0	0.0	Neutral
72	: After Dust II _Heccu spoke to 's stand-in co...	0.0	0.0	Neutral
73	Papa _ buff OP	0.0	0.0	Neutral
74	\n👉	0.0	0.0	Neutral
76		0.0	0.0	Neutral
79	Making memories 🎈	0.0	0.0	Neutral
81	👁👁	0.0	0.0	Neutral
83	LFO merch buff. 💪	0.0	0.0	Neutral
87	We are now playing in the Asia-Pacific RMR ME...	0.0	0.0	Neutral
92	🧡	0.0	0.0	Neutral
98	Update: All the refunds have been issued and t...	0.0	0.0	Neutral

In [714]:

```
df['Analysis'].value_counts()
```

Out[714]:

```
Neutral    51
Positive   41
```

```
Negative     8
Name: Analysis, dtype: int64
```

In [715]:

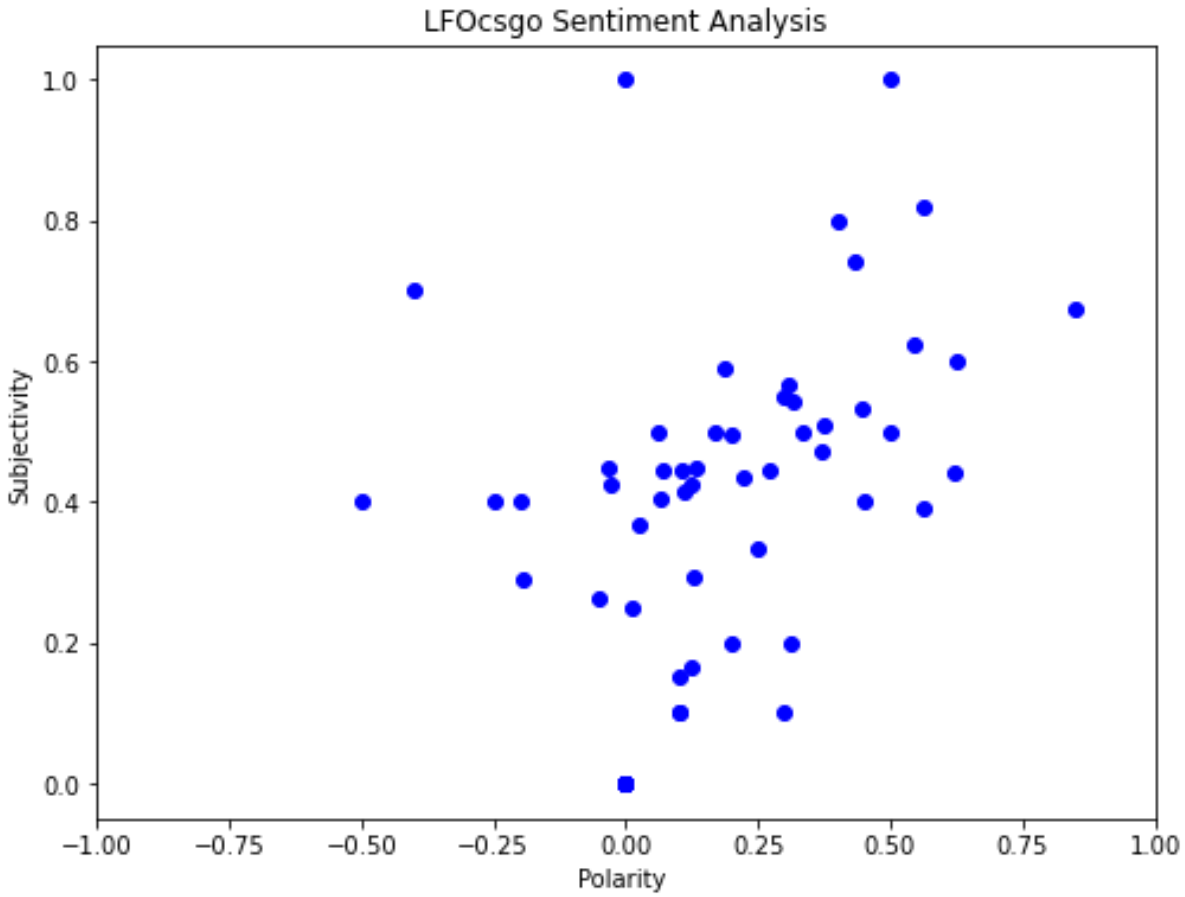
```
df.shape
```

Out[715]:

```
(100, 4)
```

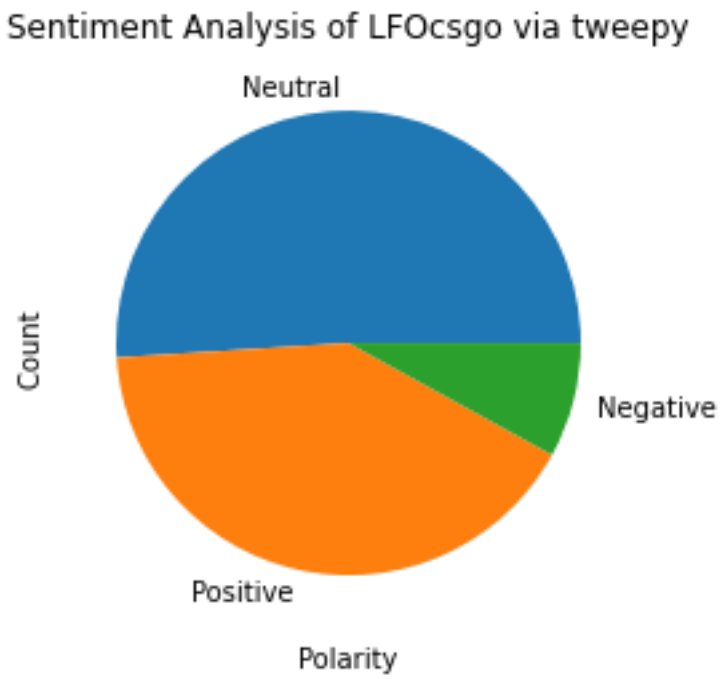
In [719]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("LFOcsgo Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



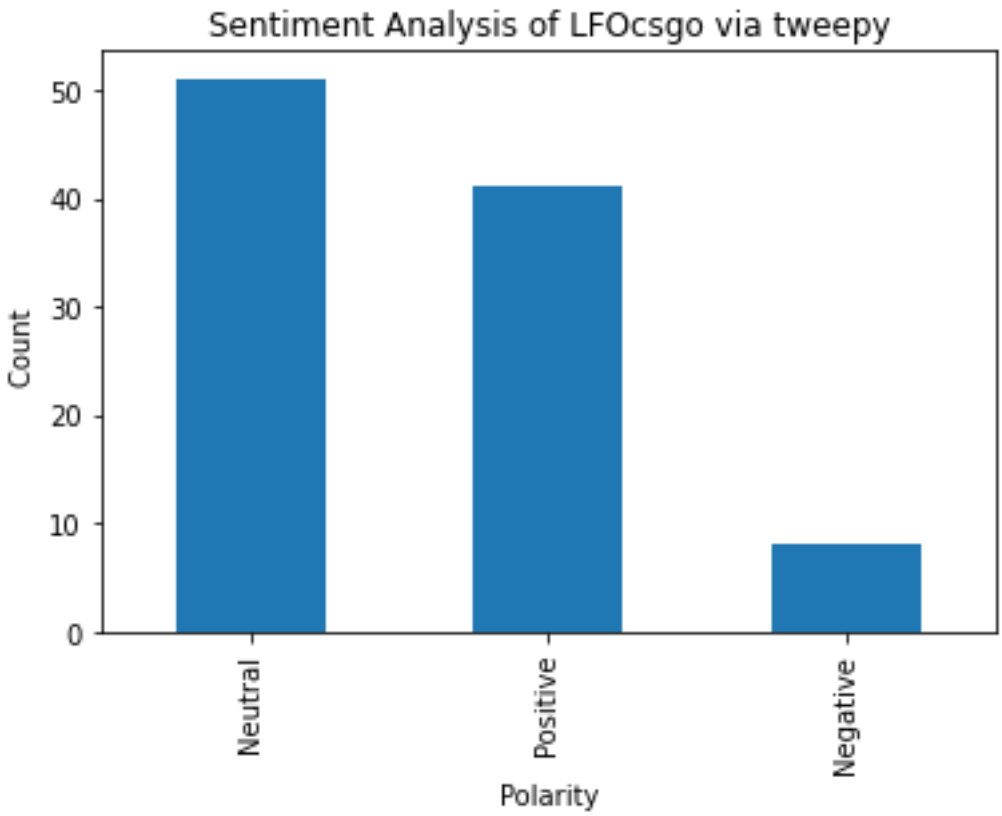
In [720]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of LFOcsgo via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [722]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of LFOcsgo via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [723]:

 # Lets get positive tweets only

```
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) As we get ready to embark on Wednesday for another journey overseas, we would like to thank e veryone for their amazing support this year!! 😍😍 And thanks to for the carry 😅 5.8mil 😱🤯

2) : With the EU Closed Qualifier complete, here are all 16 teams invited to IEM Dallas! us

…

3) Hey everyone! We're looking to have a 3 week bootcamp starting May 9th before competing in IE M Dallas and EPL Conference in Sweden. If anyone is willing to help, please contact us 😟😟

4) _gg Love your work & ! ⍰

5) Grand finals vs _gg @ 7pm AEST / 9pm NZT. Winner goes to IEM Dallas. 😎

6) Rock bottom is rock bottom. Those who think i'm quitting, you don’t know me. Keep yappin all tha t shit & laughin. I’ll get the last laugh don’t you worry 😉.

With this loss our major run ends as abruptly as it started. Big love to for flying us out last minute!! 🙏

7) Oceanic LAN derby vs TONIGHT @ 10:30 AEST / 12:30 NZT

Watch it live! 📺
AU
AU
EU

8) _ you were the better teams in the qualifier and deserved to go to the event.

We are gutted to qualify in this way.

9) WE ARE GOING TO THE RMR 😵

In what seems like a miracle, all the teams above us in the ME Qual aren't able to attend the event d ue to visa issues.

We will give our absolute best to take this second chance and make you all proud.

Oh yeah and will be there, too! 😉

10) 👉 **ROSTER UPDATE**

has decided to move into a more passive role within the team.

We will be posting more details about the new opening shortly. In the meanwhile, feel free to reach out via twitter if you think you're a good fit. 🙏

11) : As most of you know I tested positive after our match vs G2 last Wednesday. This hit me really hard because this event was t…

12) _: Somehow I won ’s giveaway for some nice shadow daggers, actually unreal😂 so I thought wh y not re-give them away…

13) Thanks for having us, it was a pleasure.

14) _trigger You're absolutely right. And this is why we are looking for an org to support us playi ng CS full time.

15) : Thanks for the good times 😭

benthelegend

ESLProLeague

16) Thanks for helping out ! Message us, we don't bite! 😊

17) Also a MASSIVE thanks to all the staff behind the scenes, specifically the player managers , &am p; Malu. has gone above and beyond to make this an incredible experience. It was the first event of this scale for most of us and you've really set the bar high.

18) A massive THANK YOU for all of your support. 🥰

We came into EPL hoping to turn some heads and now we're leaving with full hearts and invaluable experience.

put together a phenomenal event and we have made memories that we will cherish forever.

Long live BenTheLegend

19) LIVE very shortly vs on the C Stream!

20) Our last game for Pro League will be vs and for us this is still a special one.

The Oceanic region looks up to 's success story and we are honoured to be able to face him on the bi g stage today. 🥰

GL HF MOUZ

19:30 CET / 5:30 AEDT

21) : 20 years in and making my best cs memories. ESLProLeague is like no other. Here's to 20 more! 😍

22) : It's worth a try I suppose 😅 ESLProLeague

23) : 2 - 1 vs these lovely lads, and I'm sure they'll find an org in no time! 👌

This means we finish 1 in our group and go straigh…

24) We put up a great fight and win overpass, but were too good on nuke and ancient for us today. We are now 0-4 at Pro League and will have our last chance to grab a $5K group stage win bonus vs tomorrow. 🤑

GG WP

25) We lose 0-2 to . Some good signs but not quite there yet.

Tomorrow we vs. at 12:30 CET / 22:30 AED, great time for our OCE viewers!

26) Our substitute coach BenTheLegend is looking to grab his first victory today vs to even out is car eer results to a 1-1.
Come watch us play at 4pm CET / 2am AEDT.

27) We are free agents. 🙃

28) Today we face in our second match of Pro League. First map starts at 19:30 CET / 5:30 AEDT.

29) We go down 0-2 vs , 5-16 on dust2 and 12-16 on inferno. A good hustle by our boys in the Pro Le ague opening match.

30) We are up against for the opening match of Pro League S15.
Catch the action at 12:30 CET / 10:30 AEDT on

31) In exactly one week we will face at the Pro League Season 15 Group Stage in Düsseldorf. WE AR E PUMPED! 🤑

The boys will be wearing our very own merch that you can find on our store 👉

32) That's it, we are out of the RMR Asia-Pacific ME qualifier after a tough loss to _ on nuke.
Best of luck to the remaining teams in the tournament.

33) A strong T half carries us to a 16-13 victory over kebabs. We are now facing _ in the LB semifinals .

34) A very close 14-16 vs has us drop into the lower bracket. We play kebabs next!

35) A quick 16-5 and we move forward to the UB semifinal vs the winner of and .

36) Action starts @ 2am AEDT / 4pm CET

37) Day 2 of the Asia-Pacific ME qualifier will be a double elim BO1 (GF BO3) tournament between t he final 8. First up, we are set to play 15average DZ from Algeria.

Looks like our friend will be casting this one! 😍

38) We win 16-7 vs "Peace soldier" and move on to the round of 8 of the Major Asia-Pacific ME quali fier.

39) _cs Thankfully added Germany as options for the server so we were able to play all our matches so far with good ping.

40) This weekend we are competing for a chance to qualify for the Asia-Pacific RMR event in Belgium . We will keep you posted on any matches and if there are any streams. 👁

First round of the qualifier starts Sun 2am AEST / Sat 4pm CET.

41) **ANNOUNCEMENT**
We will not be traveling to Dubai for the Major qualifier.
All GoFundMe donations will be refunded.
Thank you to everyone who has participated in the fundraiser. Your continued support means a lot t o us.

In [724]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) 1-2 vs _gg securing a warmup game vs tomorrow afternoon! 😎

2) We go down 0-2 to our friends at , not quite enough to push us over the line this time!

Next up we play in the lower bracket. All or nothing now, loser goes home! 👏

3) Sad day? Either way this goes, an Australian team wins and is a step closer to qualifying to the m ajor! 😉

4) We go down 1-2 vs and are now 0-2 in Group A of Pro League. GGs!

5) _obiwan No jersey plans at this stage, but the boys will be wearing these tees at EPL:

Plus a secret one 😎

6) A swift 16-2 sees us advance to the round of 16 where we meet & co on overpass!

7) Round 2 vs OSTORA is now live:

8) We've got a bye for round 1 of the ME Asia Pacific RMR Qualifier. Check out the bracket below:

In [725]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) _Coupez 👀👀bootcamp you say?

2)

3)

4) _gg _cs W

5) Yeeeeeeeehaw! We are going to Dallas! 😇 GGs to _gg and .

6)

7) 2-1 ez vs

8) : WE ARE G2

9) 1-0 in ESL Challenger Dallas Qual vs . Next match vs at 7PM. ▯

10) For you

11) GG WP to and !

12) 20 mins to go! Who is still up?
👁‍🗨👁

13) VS
🕛 0:55 AEST / 2:55 NZT
📺

14)

15) Ratio'd by BenTheLegend

16) We hope can make the lower bracket run happen 🙏

17) CU ON LAN 😈

18)

19) _cs

20) _

21)

22) We lose 0-2 to in our final match for Pro League, another loss to take home, review and improv e upon.

23) : You might not have won Pro League but you have won our hearts, .

24)

25) We deliver worldwide! 😊

👉

26) We are coming for you 🤠

27) Today we are facing & co in our fourth Pro League matchup vs .

12:30 CET / 22:30 AEDT Lesgoooo

28) : Like father, like son ESLProLeague

29) ⭕❎⭕
⭕❎❎
❎⭕⭕
Let's do it! GL HF 🤜🤛

30) ⭕▪⭕
⭕❎❎
❎▪⭕
I think we both know where this is ending.

31) ČertíkPOG

32) ⭕▪▪
⭕❎❎
▪▪⭕

33) Let's goooo
⭕▪▪
▪❎▪
▪▪⭕

34) 😎

35) Wanna play some tic tac toe while we wait?
⭕▪▪
▪▪▪
▪▪▪

36) Coach of the year 👏

37) Get BenTheLegend some followers!

38) _jonas Ratio'd by BenTheLegend

39) : Please like + for BenTheLegend to raise awareness

40) : _Heccu _ This is now a Ben Stan account 🧠

41) BenTheLegend

42) : After Dust II _Heccu spoke to 's stand-in coach Ben Savage who also just so happens to be _'s fa ther. 🤢…

43) Papa _ buff OP

44)
👉

45)

46) Making memories 🧠

47) 👁👁

48) LFO merch buff. 💪

49) We are now playing in the Asia-Pacific RMR ME qualifier.
is on the cast!

50) 🤝

51) Update: All the refunds have been issued and the money should be returned within 3–7 business days.

5 OF THE BEST GAMES OF EGX 2021

QUESTION # 3: HONEY, I JOINED A CULT (SOLESURVIVORGMS)

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [767]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [768]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [769]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [770]:

```
posts= api.user_timeline(screen_name='solesurvivorgms',count=100,tweet_mode='extended')
```

In [771]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) Do I really look like a guy with a plan? 🤔

Yes, I do! That's why you can focus your eyes on our organisation's new and improved Early Access r oadmap. ✨

Learn more about what we have planned: https://t.co/sJ8bMkp9Mj https://t.co/J6ZoW6kwpt

2) @DoomPigeonLegit https://t.co/d3DOO3wZ4j

3) @DoomPigeonLegit We hope you had a faith-filled time with your followers! 🙏

4) RT @solesurvivorgms: We've just found this exposé on a man they call "Burt Bisquite" 📰

Could the rumours about this so-called 'Cult Leader…

5) Famous Last words "What's that Swirl thing?"

Why pay for food when you can make your own with your very own Liquefier! ⌛

(Followers may have been harmed during the filming of this clip 💀) https://t.co/feQj9dRW3C

6) @JoeR247 Big if true 👀

7) @racinosky Only the greatest for my faithful followers 😌

8) We've just found this exposé on a man they call "Burt Bisquite" 📰

Could the rumours about this so-called 'Cult Leader' be true? Tune in to find out more! 👀 https://t.co/S9EnZtHYoG

9) @TheGeekCupboard Other viable poor cultist disposal methods include the Sacrificial pit, the Liquefier, and the Dolomite Chamber 😋

10) When those Average and Good Quality Followers start appearing at your Cult lobby 💪 https://t.co/h3YZUpwxOu

In [772]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[772]:

	Tweets
0	Do I really look like a guy with a plan? 🤔\n\n...
1	@DoomPigeonLegit https://t.co/d3DOO3wZ4j
2	@DoomPigeonLegit We hope you had a faith-fille...
3	RT @solesurvivorgms: We've just found this exp...
4	Famous Last words "What's that Swirl thing?"\n...
...	...
95	Our sermons cover a wide range of serious topi...

	Tweets
96	Ground Control to Major Tom 🛩️ \n\nBuckle up t...
97	@theartfulgabby One toilet ey? Very fancy! I h...
98	@theartfulgabby Get your followers to pray for...
99	@theartfulgabby We hope you had an enlightenin...

100 rows × 1 columns

In [773]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [774]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [775]:

```
df
```

Out[775]:

	Tweets
0	Do I really look like a guy with a plan? 😕\n\n...
1	
2	We hope you had a faith-filled time with your...
3	: We've just found this exposé on a man they c...
4	Famous Last words "What's that Swirl thing?"\n...
...	...

	Tweets
95	Our sermons cover a wide range of serious topi...
96	Ground Control to Major Tom 🚀 \n\nBuckle up t...
97	One toilet ey? Very fancy! I hope they worshi...
98	Get your followers to pray for more buckets, ...
99	We hope you had an enlightening time with you...

100 rows × 1 columns

In [776]:

```
analysis=TextBlob("Today was the best day ")
```

In [777]:

```
analysis.sentiment
```

Out[777]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [778]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [779]:

```
df
```

Out[779]:

	Tweets	Subjectivity	Polarity
0	Do I really look like a guy with a plan? 🤔\n\n...	0.363636	0.246591
1		0.000000	0.000000

	Tweets	Subjectivity	Polarity
2	We hope you had a faith-filled time with your...	0.000000	0.000000
3	: We've just found this exposé on a man they c...	0.000000	0.000000
4	Famous Last words "What's that Swirl thing?"\n...	0.766667	0.518750
...	...	...	...
95	Our sermons cover a wide range of serious topi...	0.533333	-0.216667
96	Ground Control to Major Tom ✈️ \n\nBuckle up t...	0.400000	0.156250
97	One toilet ey? Very fancy! I hope they worshi...	0.200000	0.029167
98	Get your followers to pray for more buckets, ...	0.500000	0.625000
99	We hope you had an enlightening time with you...	0.700000	0.462500

100 rows × 3 columns

In [ ]:

In [780]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
   if score<0:
      return 'Negative'
   elif score==0:
      return 'Neutral'
   else:
      return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[780]:

	Tweets	Subjectivity	Polarity	Analysis
0	Do I really look like a guy with a plan? 😕\n\n...	0.363636	0.246591	Positive
1		0.000000	0.000000	Neutral
2	We hope you had a faith-filled time with your...	0.000000	0.000000	Neutral
3	: We've just found this exposé on a man they c...	0.000000	0.000000	Neutral
4	Famous Last words "What's that Swirl thing?"\n...	0.766667	0.518750	Positive
...	...	...	...	...
95	Our sermons cover a wide range of serious topi...	0.533333	-0.216667	Negative
96	Ground Control to Major Tom 🚀 \n\nBuckle up t...	0.400000	0.156250	Positive
97	One toilet ey? Very fancy! I hope they worshi...	0.200000	0.029167	Positive
98	Get your followers to pray for more buckets, ...	0.500000	0.625000	Positive
99	We hope you had an enlightening time with you...	0.700000	0.462500	Positive

100 rows × 4 columns

In [781]:

```
df[df['Analysis']=='Neutral']
```

Out[781]:

	Tweets	Subjectivity	Polarity	Analysis
1		0.0	0.0	Neutral
2	We hope you had a faith-filled time with your...	0.0	0.0	Neutral
3	: We've just found this exposé on a man they c...	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
10	We hope your cult's financial status improved!	0.0	0.0	Neutral
12	🍋	0.0	0.0	Neutral
13	: 👿 Querida, Entrei numa Seita! Crie, personal...	0.0	0.0	Neutral
14	🙏🤩	0.0	0.0	Neutral
15	: Honey, I Joined a Cult – Architecting a pris...	0.0	0.0	Neutral
16	They've encased him in Dolomite. He should be ...	0.0	0.0	Neutral
17	Burt Biscuit	0.0	0.0	Neutral
19	How do you feel about taking a trip to our Li...	0.0	0.0	Neutral
20	All above board here sir 👌	0.1	0.0	Neutral
22	Howdy Pin, I hope your Cult is thriving! 🙏	0.0	0.0	Neutral
23	Blessings are upon you this faithful day! 🙏	0.0	0.0	Neutral
24		0.0	0.0	Neutral
27	You say locked in, we say Plotting in the Le...	0.0	0.0	Neutral
29	_myanh The Burt Biscuit badge is our favouri...	0.5	0.0	Neutral
34	Call me biased, but that Burt Biscuit pin is...	0.0	0.0	Neutral
36	I've been watching you. Come closer 🐰	0.0	0.0	Neutral
37	😍😍😍	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
40	We hope you had a faithful time with your Fun...	0.0	0.0	Neutral
42	GARY GANG! 😍	0.0	0.0	Neutral
44	🐠😍	0.0	0.0	Neutral
46	Are your Cultists not what you'd hoped for? 😕\...	0.1	0.0	Neutral
47	Tasty fish!	0.0	0.0	Neutral
50		0.0	0.0	Neutral
55	The one rule of Honey, I Joined A Cult - We d...	0.0	0.0	Neutral
56	When you manage to convince your followers to ...	0.0	0.0	Neutral
57	We gotchu -	0.0	0.0	Neutral
58	We see you 😍	0.0	0.0	Neutral
66		0.0	0.0	Neutral
71	Thankfully, our Cultists don't get days off, ...	0.0	0.0	Neutral
73	Gives you extra motivation to look after them...	0.1	0.0	Neutral
77	We hope you had a faithful time with your Spa...	0.0	0.0	Neutral
78	That's a lot of toilets! 👉	0.0	0.0	Neutral
79	But, but, but... Simon and Ed said not to spe...	0.0	0.0	Neutral
81	😍	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
86		0.0	0.0	Neutral
87		0.0	0.0	Neutral
89	Who says you can't wear sunglasses indoors? 😎	0.0	0.0	Neutral
92	Make it happen 🤖	0.0	0.0	Neutral
93	🤖	0.0	0.0	Neutral

In [782]:

```
df['Analysis'].value_counts()
```

Out[782]:

```
Positive    50
Neutral     42
Negative     8
Name: Analysis, dtype: int64
```

In [783]:

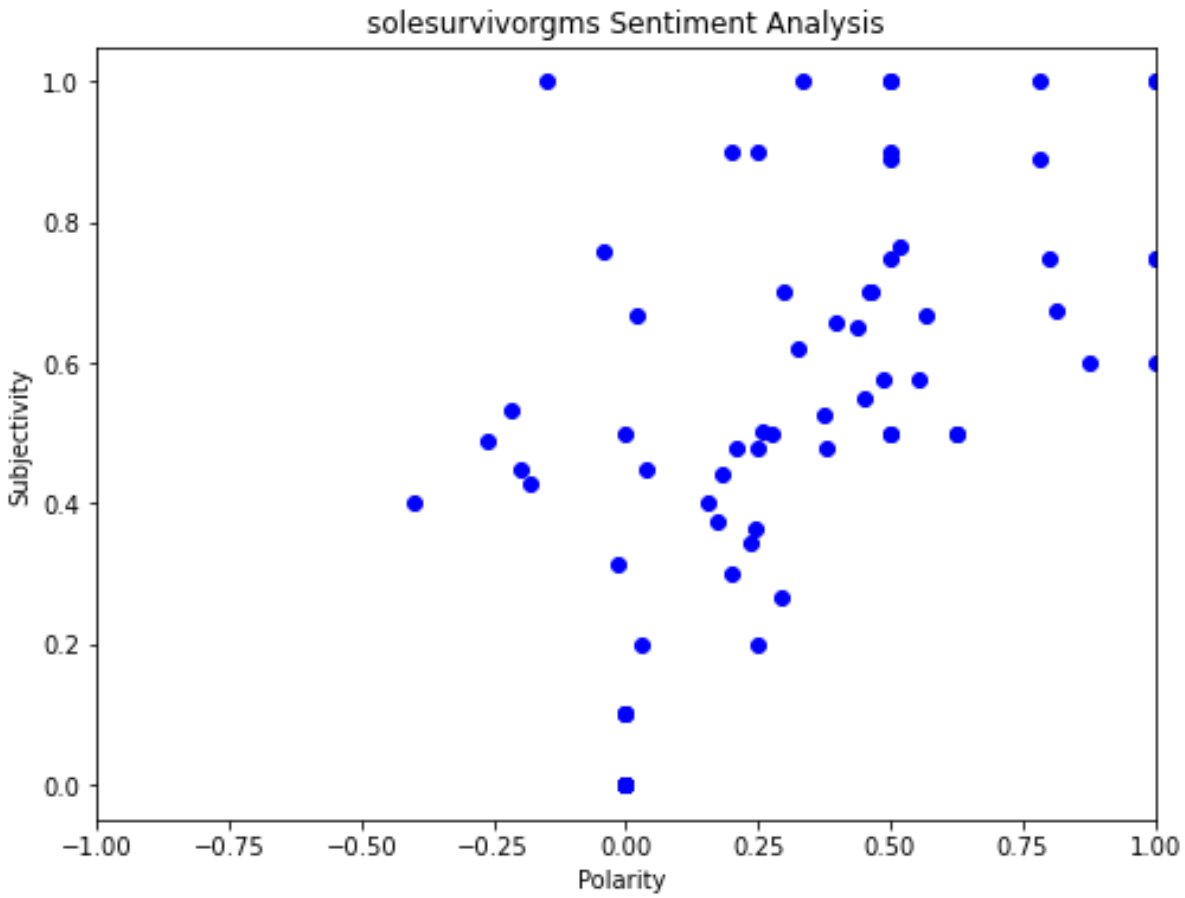
```
df.shape
```

Out[783]:

```
(100, 4)
```

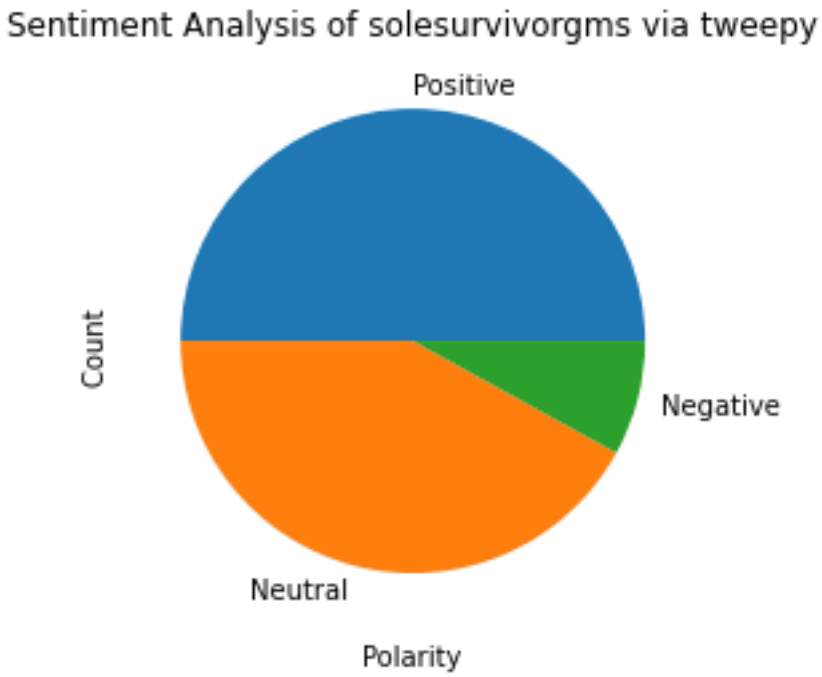
In [784]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("solesurvivorgms Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



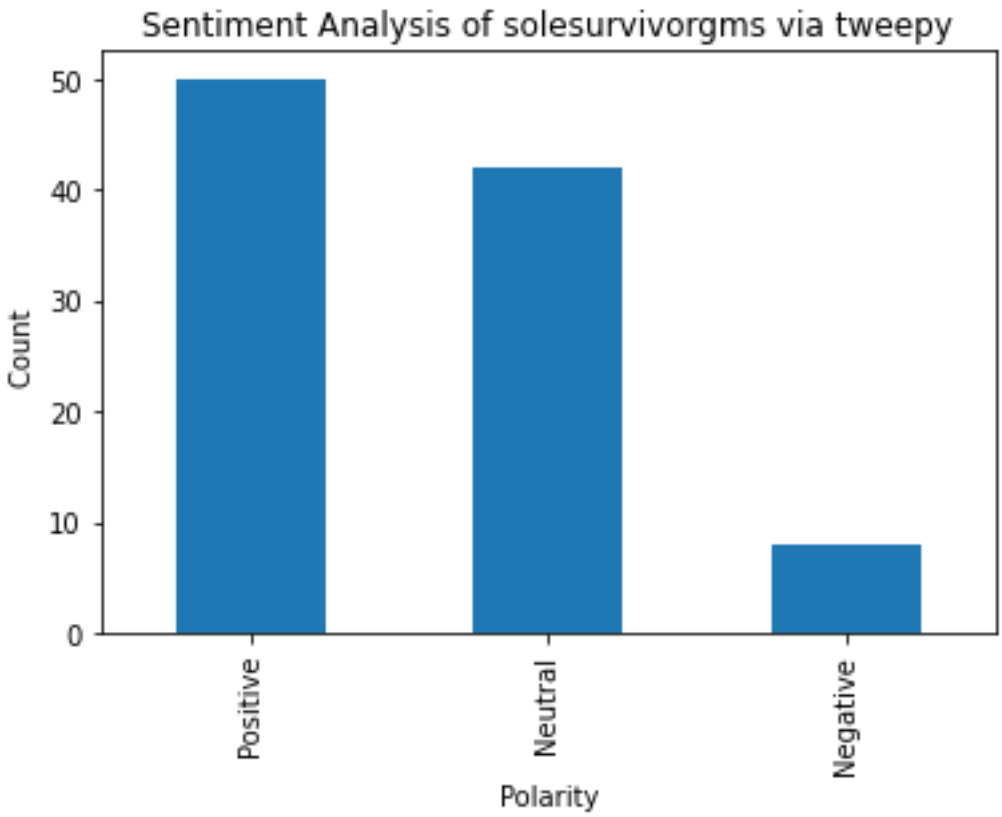
In [786]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of solesurvivorgms via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [787]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of solesurvivorgms via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [788]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Do I really look like a guy with a plan? 🤔

Yes, I do! That's why you can focus your eyes on our organisation's new and improved Early Access r oadmap.✨

Learn more about what we have planned:

2) Famous Last words "What's that Swirl thing?"

Why pay for food when you can make your own with your very own Liquefier! 🥘

(Followers may have been harmed during the filming of this clip 💀)

3) Big if true 👀

4) Only the greatest for my faithful followers 🥰

5) We've just found this exposé on a man they call "Burt Bisquite" 📰

Could the rumours about this so-called 'Cult Leader' be true? Tune in to find out more! 👀

6) When those Average and Good Quality Followers start appearing at your Cult lobby 💪

7) :
TODAY we return to the Knights Of Dag with a new start now that we know a bit more!
We'll see how t…

8) That may be true, but Purple Stuff shake is guaranteed not people

(We mean it this time...)

9) Purple Stuff Shake is perfectly safe to eat and no humans were harmed in the making of it

(Statement may or may not be true 😅)

Want a taste of cult leader life? Find out more ➡

10) Kevin is kinda cute I guess, but not as handsome as me, Burt Biscuit👌

11) We're not confirming or denying that he did, but Burt does have that mesmerizing effect on peo ple 😊

12) Burt Biscuit looks so good in badge form! 😎

13) Burt is looking mighty fine here! 😍

14) Look at that mighty Burt Biscuit pin! 🤩

15) Burt Biscuit at the top, we like your style 😉

16) Look how cute Burt looks here! That's a face you can trust!

17) Do I spy a pin badge of me, Burt Biscuit, the greatest cult leader who ever lived? 🤩

18) We wish you good fortune in your Culting activities! Try not to get Raided! 🤩

19) Spinning is winning 🤩

20) Recruit the Gary's and you will be deemed worthy 😎

21) Improve, adapt, overcome! We shall build our perfect cultists, or suffer the consequences... 😅

22) So, who's had the dreaded Police Raid at their cult? 👮🚓

Make sure you keep an eye on that Heat level to prevent any unwanted raids 🔥

23) : More cult based fun with HoneyIJoinedACult from and ! Manage your cultists, grow your following and…

24) Glad you are enjoying our game! We'd love to know more about the cult that you have built! 🙏

25) This idea is inspired! Keep the faith and hopefully our wishes can come true!

26) Dear Faithful Followers, We've just launched our Easter Update! 🐣

🐴 Decorate your Cult and Cultists for Easter with new outfits and cosmetics
🔨 Gameplay Tweaks
🐛 Bug Fixes!

Read the full patch notes here ➡

27) Thanks! Just plans for Steam during Early Access right now!

28) We hope you had a great time with your followers! 😊

29) : We got our mitts on this one _ and can safely say this is one cult we're eager to join! 😳🐟😳🐟😳🐟 WASDLive HoneyIJ…

30) Bribery hey? Sound's like the work of a true cult leader 👌

31) Listen up Faithful Followers! 👂

Today is the last day of _ 📅

Make sure you swing by the section and get your hands on Honey, I Joined A Cult and build the 1970's Cult of your dreams 🙏

32) Good strong Cult name 👌

33) _ We love to see it! We hope James had a great time overseeing Cult life! 🙏

34) So what would your Cult name be when you play for real 😜

35) Thanks for playing Honey, I Joined A Cult! 🙏

36) ✨ Cult Pro Tip ✨

Make sure that you set custom schedules for your Cultists! 📅

That way, you can always have people working to extract that influence and cash from your followers! 💰

37) Great to hear! We hope you renamed your Cultists after stream viewers! 😊

38) We hope you had an influential time with your adoring Spectons! 🙏

39) Want to live long and prosper? Join our Cult today! 🖖

➡

40) I see a very nice-looking compound here! The LabRats are lucky to have such a wonderful leader in you!

41) Embrace the Cult of Tomorrow with an almighty 25% discount on Honey, I Joined A Cult!

📦 Build your dream cult compound!
🤩 Extract influence from your cultists!
💜 Turn your followers into tasty purple stuff!

Find out more ➡ ✨

42) _slime We wish great blessings on your Culting endeavours 🙏

43) This is true, but those Quirks demanding private bathrooms are real though 🚽🤣

44) Absolute hero 🙏

45) Faithful followers - We are thrilled to be part of the SimFest: Hobby Edition event! 🤩

Also, save 25% on Honey I Joined A Cult until April 11th! 🤑

Join us at this weekend as we show off some of the new content from our Futurist Update! 🍿

46) ✨ NEW HONEY, I JOINED A CULT UPDATE! ✨

Build the Cult of tomorrow in the Futurist update for Honey, I Joined A Cult!

New features include:
Futurist Theme ⌚
New Rooms 🚪
Leader Demands 👑

You can find the full patch notes here -

47) Ground Control to Major Tom 🛫

Buckle up those seatbelts folks, we've got something landing very soon! 👀

48) One toilet ey? Very fancy! I hope they worshipped you even harder as a thank you for providing such glorious services.

49) Get your followers to pray for more buckets, ASAP 😁

Or research some fancy Bathroom Upgrades pronto! 👉

50) We hope you had an enlightening time with your precious Gracelings! 🙏

In [789]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Other viable poor cultist disposal methods include the Sacrificial pit, the Liquefier, and the Dolomite Chamber 😊

2) It's a bunch of friends who go around doing real nice things together and nothing sinister at all, don't even think to go behind that hidden bookcase door 👀

3) : Honey, I Joined a Cult from is a hilarious base builder. Build a Cult with all the Culty necessities like…

4) _CK: If you want to be a cult leader, this game is definitely for you 🤣

5) Call us biased, but we think you should play our game 🙏

6) Honey, I Joined A Cult is playable at WASD right now!

If you're heading to the event in the next couple of days, stop by the booth to get hands-on with the game

7) : Build the Cult of tomorrow in the Futurist update for Cult builder and management game - Honey, I Joined A Cult!

New Futurist…

8) Our sermons cover a wide range of serious topics 🙏

In [790]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1)

2) We hope you had a faith-filled time with your followers! 🙏

3) : We've just found this exposé on a man they call "Burt Bisquite" 📰

Could the rumours about this so-called 'Cult Leader…

4) We hope your cult's financial status improved!

5) 💰

6) : 😈 Querida, Entrei numa Seita! Crie, personalize, amplie e gerencie sua própria seita dos anos 1 970.

🔘 Ao vivo em:

7) 🙏🤩

8) : Honey, I Joined a Cult – Architecting a prison for the mind

9) They've encased him in Dolomite. He should be quite well protected.

If he survived the freezing process, that is... 😅

10) Burt Biscuit

11) How do you feel about taking a trip to our Liquefier Room and we show you how its made 👀

We promise it won't hurt 🤪

12) All above board here sir 👌

13) Howdy Pin, I hope your Cult is thriving! 🙏

14) Blessings are upon you this faithful day! 🙏

15)

16) You say locked in, we say Plotting in the Leaders Sanctum 😉

17) _myanh The Burt Biscuit badge is our favourite, for obvious reasons 😋

18) Call me biased, but that Burt Biscuit pin is 10/10 🤩😍🤩

19) I've been watching you. Come closer 🐰

20) 😍😍😍

21) We hope you had a faithful time with your Funnimati! 🙏

22) GARY GANG! 😍

23) 💶😍

24) Are your Cultists not what you'd hoped for? 🤔

Why not try some Human Testing on them? 🧪

Warning: Results may vary... ⚠️

25) Tasty fish!

26)

27) The one rule of Honey, I Joined A Cult - We do talk about Honey, I Joined A Cult

28) When you manage to convince your followers to take part in "Maggot Rejuvenation Therapy" or go on the "Discombobulator" 😈

29) We gotchu -

30) We see you 😍

31)

32) Thankfully, our Cultists don't get days off, we need them to earn that influence for our dear lead er!

33) Gives you extra motivation to look after them doing that... or perhaps maybe not! 😅

34) We hope you had a faithful time with your Sparkle Fairies! 🙏

35) That's a lot of toilets! 🖕

36) But, but, but... Simon and Ed said not to spend it on toilets 😭 🖕 😂

37) 😍

38)

39)

40) Who says you can't wear sunglasses indoors? 😎

41) Make it happen 🤘

42) 🤘

QUESTION #3: THYMESIA (OVERBORDERGAMES)

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [767]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [768]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [769]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [791]:

```
posts= api.user_timeline(screen_name='OverBorderGames',count=100,tweet_mode='extended')
```

In [792]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) @MasterNinjaRyu1 @Team17 Blimey! Great work :)

2) @Kratos_playz Physicals are coming! :)

3) Thymesia's demo closes today! Thank you for playing.

The demo is a modified version of the tutorial. Its purpose is to practice the basic combat system — t he mechanics can be iteratively improved and become more advanced, very quickly!

Full post 👇

https://t.co/3GnizUeBOE

4) Thank you for your support, @yosp 🙏

We hope you're prepared for this plague-ridden challenge into the depths of darkness. https://t.co/QqNqRQIAQW

5) RT @yosp: August 9 on PS5!

Thymesia | Release Date Announcement Trailer https://t.co/vzGgmLBZcK @YouTube

6) Watch some exclusive Thymesia gameplay on Twitch!

@Team17 will be live today, showcasing some gruelling combat and answering questions!

⏳ 4pm BST | 11am EST

👉 https://t.co/Uz6Y5Efs0b https://t.co/0mNxGnEyls

7) @SSS_moonborne We're constantly collecting feedback. We will definitely act one them and keep improving the game!

8) @siera5673 Japanese is supported across all platforms. The game should detect your system lang uage. You can also switch it in the settings. https://t.co/WrqiGf4t2O

9) @001studios Thanks! Looking forward to yours too!

10) @exserv85 thanks! Taken on board :)

In [793]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[793]:

	Tweets
0	@MasterNinjaRyu1 @Team17 Blimey! Great work :)
1	@Kratos_playz Physicals are coming! :)
2	Thymesia's demo closes today! Thank you for pl...
3	Thank you for your support, @yosp 🙏\n\nWe hope...
4	RT @yosp: August 9 on PS5!\n\nThymesia | Relea...
...	...

	Tweets
95	@Shadowz6677 In good time.
96	Corvus must utilise his Talent Tree to enhance...
97	@SuperDinosauce Understandable, given that we'...
98	@JavierPrD Not yet! We will share that news wh...
99	@AnohEmmanuel6 @JavierPrD Indeed! News isn't f...

100 rows × 1 columns

In [794]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [795]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [796]:

```
df
```

Out[796]:

	Tweets
0	Blimey! Great work :)
1	_playz Physicals are coming! :)
2	Thymesia's demo closes today! Thank you for pl...
3	Thank you for your support, 🙏\n\nWe hope you'...
4	: August 9 on PS5!\n\nThymesia | Release Date ...

	Tweets
...	...
95	In good time.
96	Corvus must utilise his Talent Tree to enhance...
97	Understandable, given that we're showcasing e...
98	Not yet! We will share that news when we have...
99	Indeed! News isn't far off on a date.

100 rows × 1 columns

In [797]:

```
analysis=TextBlob("Today was the best day ")
```

In [798]:

```
analysis.sentiment
```

Out[798]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [799]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [800]:

```
df
```

Out[800]:

	Tweets	Subjectivity	Polarity
0	Blimey! Great work :)	0.87500	0.6500

	Tweets	Subjectivity	Polarity
1	_playz Physicals are coming! :)	1.00000	0.5000
2	Thymesia's demo closes today! Thank you for pl...	0.44375	0.3125
3	Thank you for your support, 🙏\n\nWe hope you'...	0.00000	0.0000
4	: August 9 on PS5!\n\nThymesia | Release Date ...	0.00000	0.0000
...	...	...	...
95	In good time.	0.60000	0.7000
96	Corvus must utilise his Talent Tree to enhance...	0.00000	0.0000
97	Understandable, given that we're showcasing e...	0.40000	0.3000
98	Not yet! We will share that news when we have...	0.00000	0.0000
99	Indeed! News isn't far off on a date.	1.00000	0.1000

100 rows × 3 columns

In [ ]:

In [801]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
   if score<0:
      return 'Negative'
   elif score==0:
      return 'Neutral'
   else:
      return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[801]:

	Tweets	Subjectivity	Polarity	Analysis
0	Blimey! Great work :)	0.87500	0.6500	Positive
1	_playz Physicals are coming! :)	1.00000	0.5000	Positive
2	Thymesia's demo closes today! Thank you for pl...	0.44375	0.3125	Positive
3	Thank you for your support, 🙏\n\nWe hope you'...	0.00000	0.0000	Neutral
4	: August 9 on PS5!\n\nThymesia | Release Date ...	0.00000	0.0000	Neutral
...	...	...	...	...
95	In good time.	0.60000	0.7000	Positive
96	Corvus must utilise his Talent Tree to enhance...	0.00000	0.0000	Neutral
97	Understandable, given that we're showcasing e...	0.40000	0.3000	Positive
98	Not yet! We will share that news when we have...	0.00000	0.0000	Neutral
99	Indeed! News isn't far off on a date.	1.00000	0.1000	Positive

100 rows × 4 columns

In [802]:

```
df[df['Analysis']=='Neutral']
```

Out[802]:

	Tweets	Subjectivity	Polarity	Analysis
3	Thank you for your support, 🙏\n\nWe hope you'...	0.0	0.0	Neutral
4	: August 9 on PS5!\n\nThymesia | Release Date ...	0.0	0.0	Neutral
19	👀	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
21	I am your father	0.0	0.0	Neutral
26	: tiny tiny Thymesia	0.5	0.0	Neutral
29	Thymesia, releasing this year on PC and curre...	0.4	0.0	Neutral
30	I only know one thing. Chaos.	1.0	0.0	Neutral
34	Thank you! Date is coming soon!	0.0	0.0	Neutral
42	_YT Hello! Please email contentcreators.com fo...	0.0	0.0	Neutral
44	Matthew speaks the truth.	0.0	0.0	Neutral
46		0.0	0.0	Neutral
47	I'm vengeance.	0.0	0.0	Neutral
48	: They'll talk about this battle for years to ...	0.0	0.0	Neutral
49	_space 🙏	0.0	0.0	Neutral
53	_yno I shall pass along this feedback!	0.0	0.0	Neutral
58	We believe in you, brother 🙏	0.0	0.0	Neutral
59	Dev response to my dodge button spam 😟	0.0	0.0	Neutral
60	🎮Thymesia releases this year on Xbox Series X|...	0.0	0.0	Neutral
61	Cheers!	0.0	0.0	Neutral
63	They'll talk about this battle for years to co...	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
66	bang on the money, bang on	0.0	0.0	Neutral
67	Thank you! That means a lot coming from a liz...	0.0	0.0	Neutral
69	Deflecting in Thymesia 💥 \n\nLet's take a look...	0.0	0.0	Neutral
70	Thymesia has music! We turn it off when recor...	0.0	0.0	Neutral
72	A duel, you say? Let's dance. \n\nWASD IndieDe...	0.0	0.0	Neutral
74	_ soon!	0.0	0.0	Neutral
78	Bring your hammer to a fight.	0.0	0.0	Neutral
79	: ❗ Thymesia Explained ❗ \n\nLet's take a look...	0.0	0.0	Neutral
80	___ No dates yet! We're looking to share a rel...	0.0	0.0	Neutral
83	This year, we'll share specifics soon!	0.0	0.0	Neutral
84	I see what you did there, Mehran.	0.0	0.0	Neutral
85	Wishlist Thymesia:\n\n	0.0	0.0	Neutral
86	Yep!	0.0	0.0	Neutral
87	_silva It's releasing on PS5 & Xbox Series...	0.0	0.0	Neutral
88	Oh, yes!	0.0	0.0	Neutral
89	❗ Thymesia Explained ❗ \n\nLet's take a look a...	0.0	0.0	Neutral
90	Thoughts & prayers with this guy.	0.0	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
93	No difficulty at present, we will share neare...	0.0	0.0	Neutral
96	Corvus must utilise his Talent Tree to enhance...	0.0	0.0	Neutral
98	Not yet! We will share that news when we have...	0.0	0.0	Neutral

In [803]:

```
df['Analysis'].value_counts()
```

Out[803]:

```
Positive    53
Neutral     40
Negative     7
Name: Analysis, dtype: int64
```

In [804]:

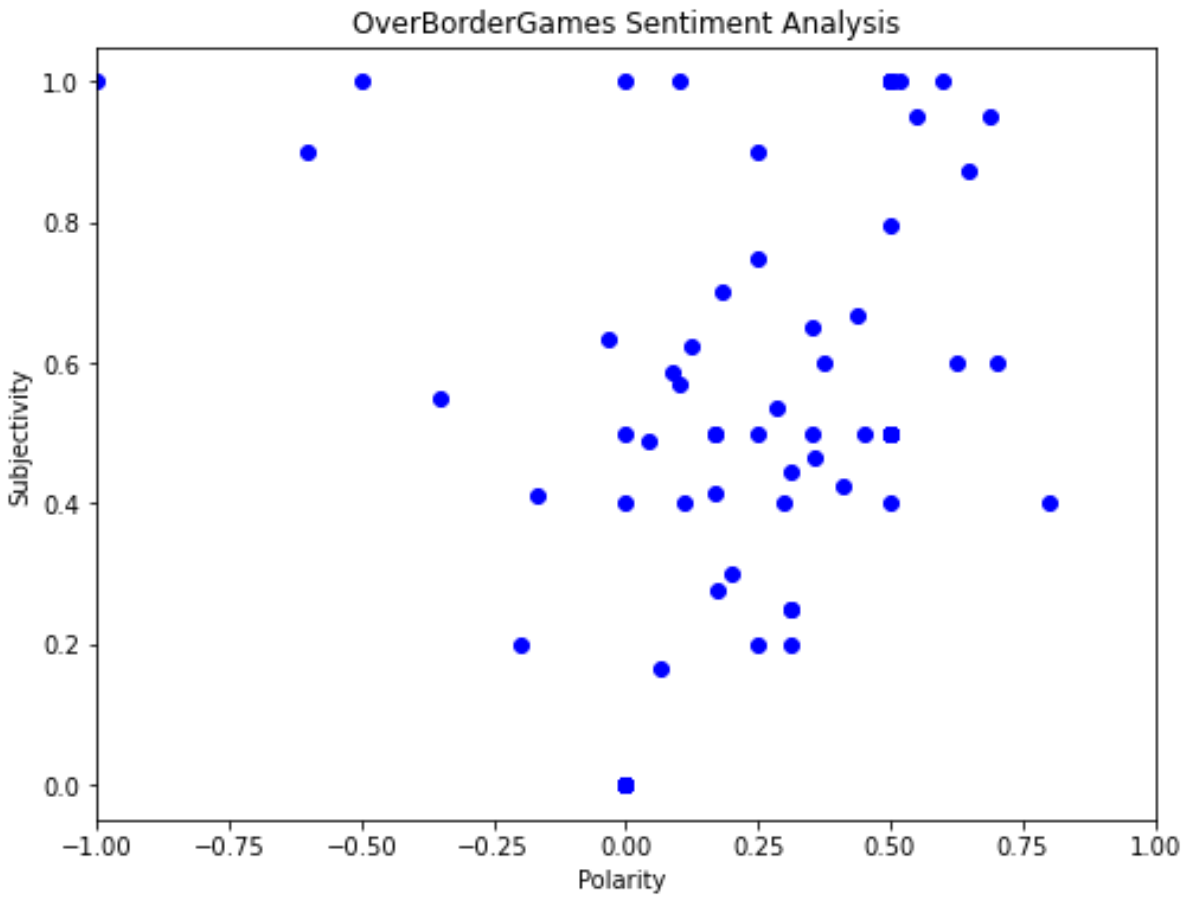
```
df.shape
```

Out[804]:

```
(100, 4)
```

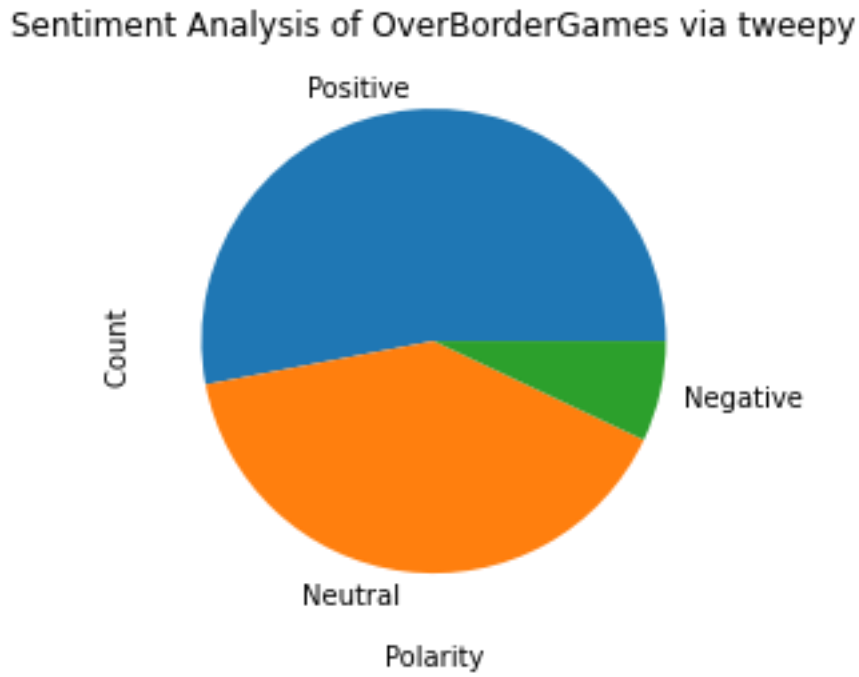
In [805]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("OverBorderGames Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



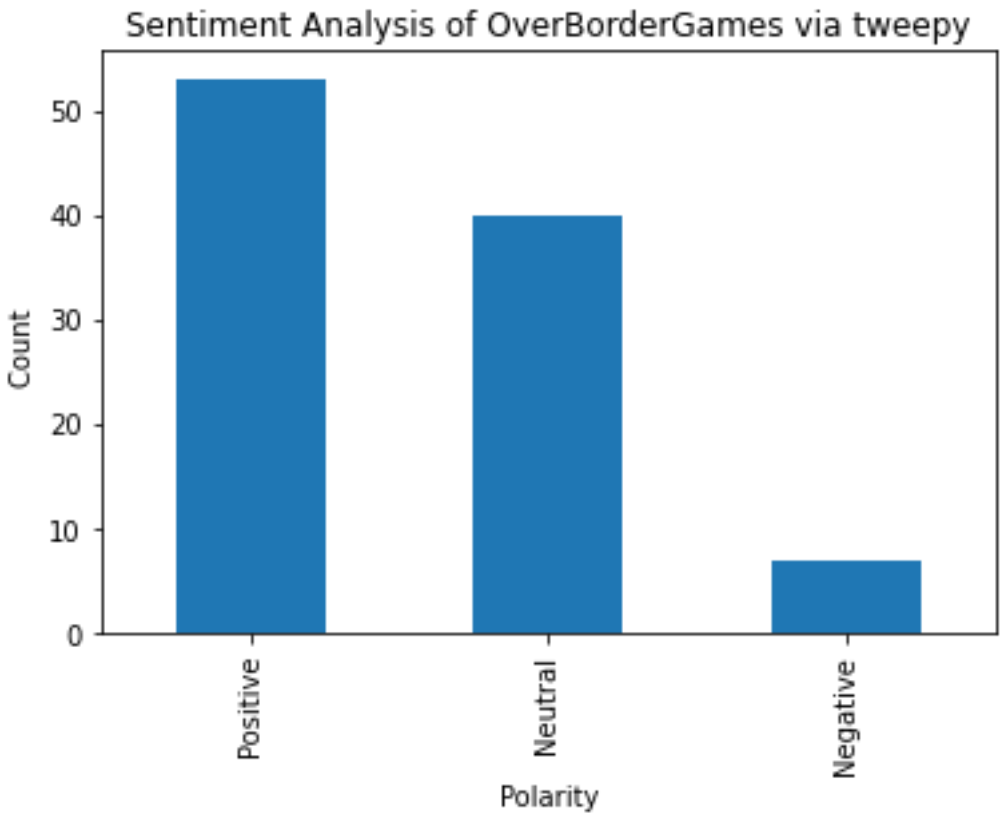
In [807]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of OverBorderGames via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [808]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of OverBorderGames via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [809]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Blimey! Great work :)

2) _playz Physicals are coming! :)

3) Thymesia's demo closes today! Thank you for playing.

The demo is a modified version of the tutorial. Its purpose is to practice the basic combat system — t he mechanics can be iteratively improved and become more advanced, very quickly!

Full post 👇

4) Watch some exclusive Thymesia gameplay on Twitch!

will be live today, showcasing some gruelling combat and answering questions!

⏳ 4pm BST | 11am EST

👉

5) Thanks! Looking forward to yours too!

6) thanks! Taken on board :)

7) We're aware of deflecting concerns, and will look to address them. Appreciate the feedback!

8) We're aware of this sentiment and have taken on the feedback with regard to deflecting. Thank y ou for your help!

9) Hi all,

Thank you for your feedback so far! We'd like to note that dodging in the demo is quite limited when compared to the full version. You upgrade the skill via the talent tree as you progress.

Here's a video demonstrating dodging at its best:

10) Fast-paced, dark fantasy combat is coming!

Plunge into plague-ridden Thymesia this summer! Fight your own way against unforgiving enemies a nd weaponise diseases in this soulsborne action-RPG.

📅 9th August on Xbox Series X|S, PlayStation 5 and PC

➡️

11) We'll be going through every forum post, for sure:

We even have a feedback thread at the top :)

12) Thanks to all of you for playing the Thymesia demo so far! Your feedback has been insightful.

Please bear in mind that this is a demo; we will be acting on constructive feedback.

It's a pleasure to read your thoughts. 🤝

13) We're aware of that issue and we will do shader caching for the final version!

14) We'll talk about this at a later date, perhaps! The full release will be same day as PC for current g en consoles, though :)

15) Test your skills and PLAY Thymesia!

Thymesia's demo is available to try in the Going Rogue Steam Festival!

Gauge an idea for how'll you fare in this gruelling, soulsborne action-RPG.

📅 May 2nd - 9th on Steam.

🎮 Play:

16) Absolutely!

17) Console players, the full version of Thymesia will release on Xbox Series X|S & PlayStation 5 -- (same day release as PC)

For the time being, we recommend finding a pal with a PC 😛

Good times ahead, for all! ❤️

18) The demo is only available on Steam, the full game will release on PC, Xbox Series X|S & PlayStation 5.

19) Test your skills next week in the Thymesia demo!

Play this soulsborne action-RPG in the Going Rogue Steam Festival.

📅 May 2nd - 9th.

🎮 Get ready:

20) : NEW VIDEO! New Thymesia Gameplay - Deflect, Dodge and Critical Strikes Explained

21) Well, we were going to celebrate hitting 10K followers - but 'vengeance' happened and here we are! 😆

Here's a look at our checkpoint girl, Aisemy. She's a very important character in Thymesia.

Everybody loves a checkpoint.

22) Thymesia! :)

23) Go check out this beautiful action rpg developed by our friends!

24) Love it!

25) Brilliant English! We can confirm this, yes 😃

26) Hello! This is Thymesia! Releasing this year on Xbox Series X|S, PlayStation 5 & PC – found out more here:

27) __crypto This is Thymesia! Releasing this year on Xbox Series X|S, PlayStation 5 & PC – find out more here:

28) This is Thymesia! Releasing this year on Xbox Series X|S, PlayStation 5 & PC – find out mor e here:

29) _boss This is Thymesia! Releasing this year on Xbox Series X|S, PlayStation 5 & PC – find out more here:

30) This is Thymesia! Releasing this year on Xbox Series X|S, PlayStation 5 & PC – find out more here:

31) This is Thymesia! Releasing this year on Xbox Series X|S, PlayStation 5 & PC – found out mo re here:

32) This is Thymesia! Releasing this year on Xbox Series X|S, PlayStation 5 & PC – found out mo re here:

33) It'll be available on Xbox Series X|S, PS5 & PC this year!

34) Thank you! We're looking to be a bridge to entice more players into this genre 😃

35) Not at present, but it's feedback we will collate if there's community requests for it :)

36) For these two, gardening has never been so challenging.

🕯

37) That's correct! Corvus is focused on his opponent in this video, pressing the right stick. You can f ocus and unfocus from foes at any time, you can also switch, too - using the analogue stick to adjust your focus point.

38) Let's win ScreenshotSaturday

39) The greed was real, agreed.

40) Thank you for the kind words :)

41) Nice garden… 🌱

Would be a shame if I ruined it.

42) Hi Carlos - no date yet, but we're going to be imparting one soon! :) Stay tuned.

43) We're pleased to confirm this game is still in development. This isn't a torturous social experime nt, worry not.

44) No room for stealth here, you must face your enemies like true warriors.

45) Check out some Thymesia gameplay with — LIVE now on Facebook at WASD!

46) Thymesia features in 's FutureGamesShow showcase!

Perseverance is your only choice.

Wishlist & find out more:

47) We should have a date for you fairly soon! :)

48) Thank you, Colin :)

49) Hi there, thank you for taking an interest! We will release the full list of languages soon, but can't promise anything at present. Noted your feedback, though

50) Not bad!

My turn...

51) In good time.

52) Understandable, given that we're showcasing early in-game footage here. If you check our trailer, you can see much more of a variety in an array of environments. There is darkness in this world, though.

53) Indeed! News isn't far off on a date.

In [810]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) _moonborne We're constantly collecting feedback. We will definitely act one them and keep improving the game!

2) Japanese is supported across all platforms. The game should detect your system language. You can also switch it in the settings.

3) _Reclaimer Yeah, I suppose so! You'll see these elite opponents on various levels, they're usually alone - but can be accompanied by some annoying NPCs from time to time.

4) No co op planned we're afraid.

5) Be callous, it's a necessary evil.

⚔

6) You must be ruthless.

👉

7) We won't release the game until it's ready. Far prefer that than launch an unfinished product.

In [811]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Thank you for your support, 🙏

We hope you're prepared for this plague-ridden challenge into the depths of darkness.

2) : August 9 on PS5!

Thymesia | Release Date Announcement Trailer

3) 👀

4) I am your father

5) : tiny tiny Thymesia

6) Thymesia, releasing this year on PC and current gen consoles!

7) I only know one thing. Chaos.

8) Thank you! Date is coming soon!

9) _YT Hello! Please email contentcreators.com for requests!

10) Matthew speaks the truth.

11)

12) I'm vengeance.

13) : They'll talk about this battle for years to come.

Here's some gameplay of a duel with an Elite 👇

14) _space 🙏

15) _yno I shall pass along this feedback!

16) We believe in you, brother 🙏

17) Dev response to my dodge button spam 😟

18) 🎮Thymesia releases this year on Xbox Series X|S, PlayStation 5 & PC.

19) Cheers!

20) They'll talk about this battle for years to come.

Here's some gameplay of a duel with an Elite 👇

21) bang on the money, bang on

22) Thank you! That means a lot coming from a lizard.

23) Deflecting in Thymesia 💥

Let's take a look 👇

WASD IndieDev

24) Thymesia has music! We turn it off when recording videos to make it easier to stitch clips togeth er without the intermittent flow of music. Appreciate the feedback, though - we'll look to recoding s ome clips with in-game music, too.

25) A duel, you say? Let's dance.

WASD IndieDev IndieGame

26) _ soon!

27) Bring your hammer to a fight.

28) : ❗ Thymesia Explained ❗

Let's take a look at the Dodge mechanic... 👇

29) ___ No dates yet! We're looking to share a release date soon, though.

30) This year, we'll share specifics soon!

31) I see what you did there, Mehran.

32) Wishlist Thymesia:

33) Yep!

34) _silva It's releasing on PS5 & Xbox Series X|S!

35) Oh, yes!

36) ❗ Thymesia Explained ❗

Let's take a look at the Dodge mechanic... 👇

37) Thoughts & prayers with this guy.

38) No difficulty at present, we will share nearer the time!

39) Corvus must utilise his Talent Tree to enhance himself for the fights ahead.

You decide the incremental path to robustness.

40) Not yet! We will share that news when we have it.

QUESTION #3: COFFEE TALK EPISODE 2: HIBISCUS & BUTTERFLY (COFFEETALK_GAME)

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [767]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [768]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [769]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [812]:

```
posts= api.user_timeline(screen_name='coffeetalk_game',count=100,tweet_mode='extended')
```

In [813]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) @StrongIndies @togeproductions Thanks!

2) RT @StrongIndies: @coffeetalk_game by @togeproductions

The new chapter of the Coffee Talk series brings us Episode 2. You run the local c…

3) RT @JodieDreams: Hey ! Le 3e épisode de Coffee Talk est sorti ! Bon visionnage ! :D #CoffeeTalk #I
ndieGame @coffeetalk_game

→ https://t.…

4) RT @taintedmantis: New video! Some recommendations from this year's #LudoNarraCon! Get yo
ur game sales and demos now!

@discoelysium @coffee…

5) @ExplorerRowan Thanks!

6) @junkipatchi 👀

7) RT @togeproductions: 🔘 LIVE ON STEAM!

Go to #LudoNarraCon event page on Steam now! We're showing a short #devlog of Coffee Talk Episo de 2:…

8) RT @lolamushoo: Presenting ✨Lucas✨ from Coffee Talk Ep. 2

#CoffeeTalk #TogeProductions #indiegame #FANART #Art https://t.co/wXMR9oWYal

9) RT @sarahhana: Haven’t drawn anything for ages, thought I should do a quick sketch of Riona 🦋 ☕ #coffeetalk #コーヒートーク https://t.co/fCFNNgaK8X

10) RT @kitomi_fa: 雰囲気めちゃ好きです☕
#稲葉百万鉄 #coffeetalk https://t.co/GZvb5LKPHD

In [814]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[814]:

	Tweets
0	@StrongIndies @togeproductions Thanks!
1	RT @StrongIndies: @coffeetalk_game by @togepro...
2	RT @JodieDreams: Hey ! Le 3e épisode de Coffee...
3	RT @taintedmantis: New video! Some recommendat...
4	@ExplorerRowan Thanks!
...	...
95	@AlizeeWeiss We're sorry, but our limited Frey...

	Tweets
96	@yosp Thank you so much, Mr. Yoshida! 🙌❤️
97	RT @yosp: This is a short list of my personal ...
98	RT @coffeetalk_game: Did you know that Milky W...
99	RT @LateToGaming: Just learned about this @cof...

100 rows × 1 columns

In [815]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [816]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [817]:

```
df
```

Out[817]:

	Tweets
0	Thanks!
1	: _game by \n\nThe new chapter of the Coffee ...
2	: Hey ! Le 3e épisode de Coffee Talk est sorti...
3	: New video! Some recommendations from this ye...
4	Thanks!
...	...

	Tweets
95	We're sorry, but our limited Freya plush is n...
96	Thank you so much, Mr. Yoshida! 🤲❤️
97	: This is a short list of my personal recommen...
98	_game: Did you know that Milky Way is Neil's s...
99	: Just learned about this _game mecrh from \n\n

100 rows × 1 columns

In [818]:

```
analysis=TextBlob("Today was the best day ")
```

In [819]:

```
analysis.sentiment
```

Out[819]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [820]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [821]:

```
df
```

Out[821]:

	Tweets	Subjectivity	Polarity
0	Thanks!	0.200000	0.250000
1	: _game by \n\nThe new chapter of the Coffee ...	0.284848	-0.087879

	Tweets	Subjectivity	Polarity
2	: Hey ! Le 3e épisode de Coffee Talk est sorti...	0.700000	0.300000
3	: New video! Some recommendations from this ye...	0.427273	-0.143466
4	Thanks!	0.200000	0.250000
...	...	...	...
95	We're sorry, but our limited Freya plush is n...	0.537143	-0.168571
96	Thank you so much, Mr. Yoshida! 🤲❤️	0.200000	0.250000
97	: This is a short list of my personal recommen...	0.300000	0.000000
98	_game: Did you know that Milky Way is Neil's s...	0.500000	0.050000
99	: Just learned about this _game mecrh from \n\n	0.400000	-0.400000

100 rows × 3 columns

In [ ]:

In [822]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
  if score<0:
    return 'Negative'
  elif score==0:
    return 'Neutral'
  else:
    return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[822]:

	Tweets	Subjectivity	Polarity	Analysis
0	Thanks!	0.200000	0.250000	Positive
1	: _game by \n\nThe new chapter of the Coffee ...	0.284848	-0.087879	Negative
2	: Hey ! Le 3e épisode de Coffee Talk est sorti...	0.700000	0.300000	Positive
3	: New video! Some recommendations from this ye...	0.427273	-0.143466	Negative
4	Thanks!	0.200000	0.250000	Positive
...	...	...	...	...
95	We're sorry, but our limited Freya plush is n...	0.537143	-0.168571	Negative
96	Thank you so much, Mr. Yoshida! 🙏❤️	0.200000	0.250000	Positive
97	: This is a short list of my personal recommen...	0.300000	0.000000	Neutral
98	_game: Did you know that Milky Way is Neil's s...	0.500000	0.050000	Positive
99	: Just learned about this _game mecrh from \n\n	0.400000	-0.400000	Negative

100 rows × 4 columns

In [823]:

```
df[df['Analysis']=='Neutral']
```

Out[823]:

	Tweets	Subjectivity	Polarity	Analysis
5	👀	0.00	0.0	Neutral
7	: Presenting ✨Lucas✨ from Coffee Talk Ep. 2 \n...	0.00	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
9	_fa: 雰囲気めちゃ好きです☕\n稲葉百万鉄 coffeetalk	0.00	0.0	Neutral
11	_1108: Lucasくんと Rionaさん\nCoffeetalk2楽しみだー	0.00	0.0	Neutral
12	😍💖	0.00	0.0	Neutral
14	: LudoNarraCon sale is happening until May 9th...	0.00	0.0	Neutral
17	: We are ON for Tuesday Night Stream!\n\nCome ...	0.70	0.0	Neutral
19	☕💖💖💖	0.00	0.0	Neutral
27	Thank you! ☕💖	0.00	0.0	Neutral
28	@_tashbunny We ship to Malaysia too 👀	0.00	0.0	Neutral
29	Thank you! ☕💖	0.00	0.0	Neutral
32	@_mannthea Have you changed your address to US...	0.05	0.0	Neutral
33	We have Malaysia Shopee! ▶	0.00	0.0	Neutral
47	_kokoro: ⋆⋌ TODAY'S STREAM ⋋⋆\n\n✕✕————\n...	0.00	0.0	Neutral
48	Yes, of course! ☕💖	0.00	0.0	Neutral
51	Please take care! Here's Masala Chai to sooth...	0.00	0.0	Neutral
52	Thank you! ☕💖	0.00	0.0	Neutral
56	_ 🙏💖	0.00	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
58	_ Nope, EP 2 is a sequel to Coffee Talk. You...	0.00	0.0	Neutral
59	From April 7th-9th, Coffee Talk will be at Lon...	0.00	0.0	Neutral
66	Yes, all consoles proceeds from March 31st to...	0.00	0.0	Neutral
67	_Aponte Yes!	0.00	0.0	Neutral
68	Of course!	0.00	0.0	Neutral
73		0.00	0.0	Neutral
89	: Neil plush is coming to you in June! 🧑🚀☕\n\...	0.00	0.0	Neutral
97	: This is a short list of my personal recommen...	0.30	0.0	Neutral

In [824]:

```
df['Analysis'].value_counts()
```

Out[824]:

```
Positive    52
Neutral     26
Negative    22
Name: Analysis, dtype: int64
```

In [825]:

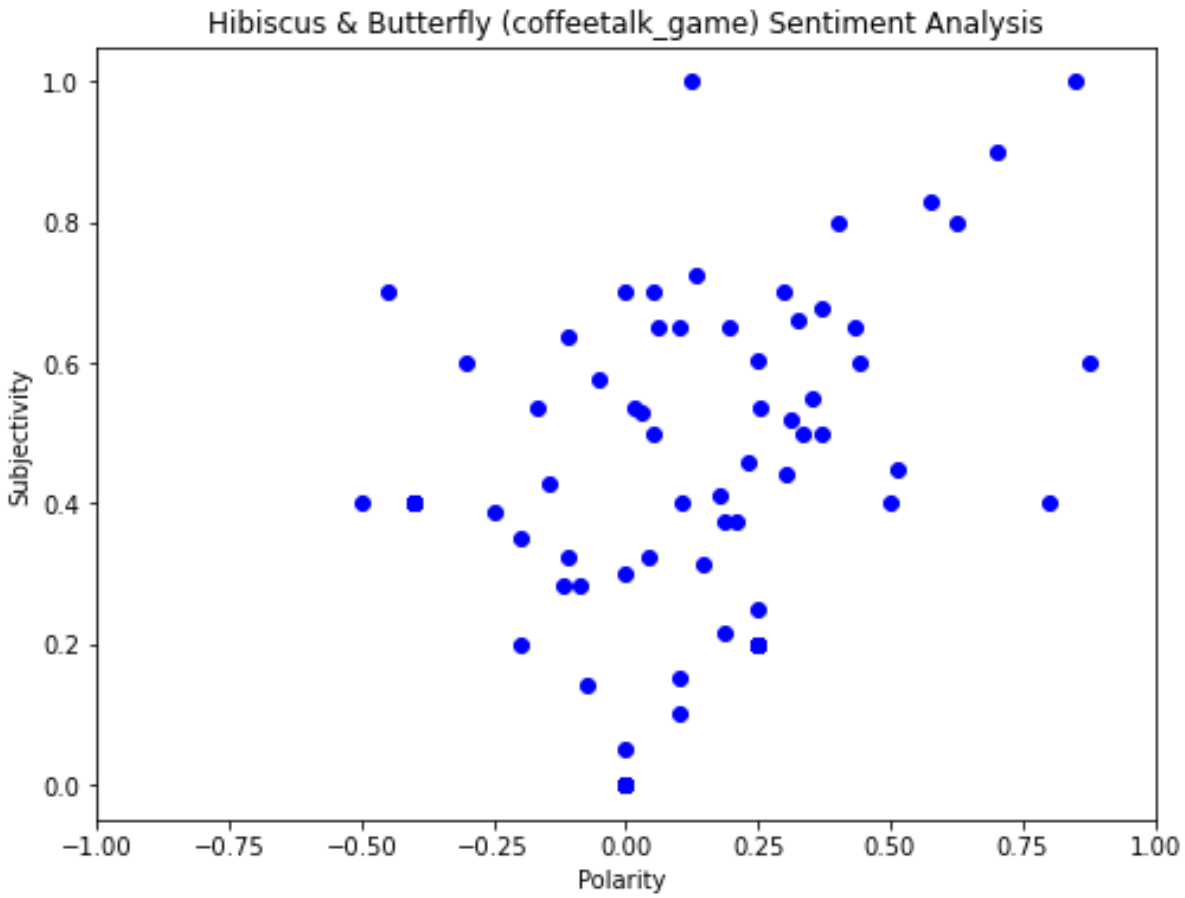
```
df.shape
```

Out[825]:

```
(100, 4)
```

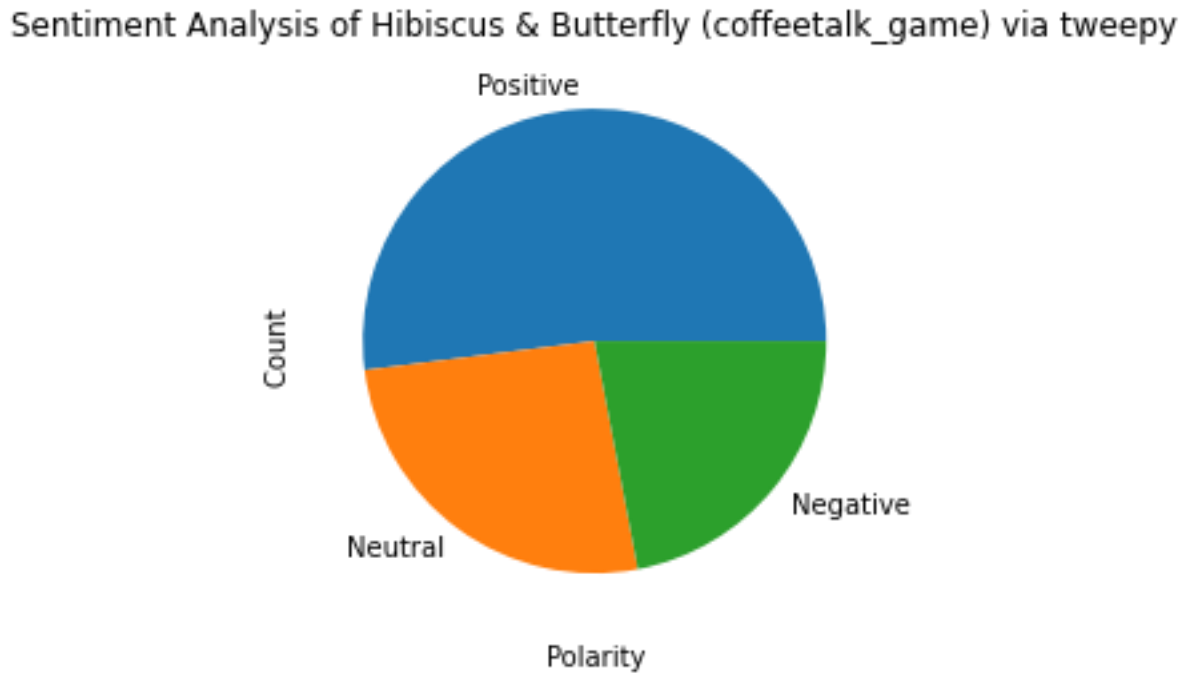
In [826]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("Hibiscus & Butterfly (coffeetalk_game) Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



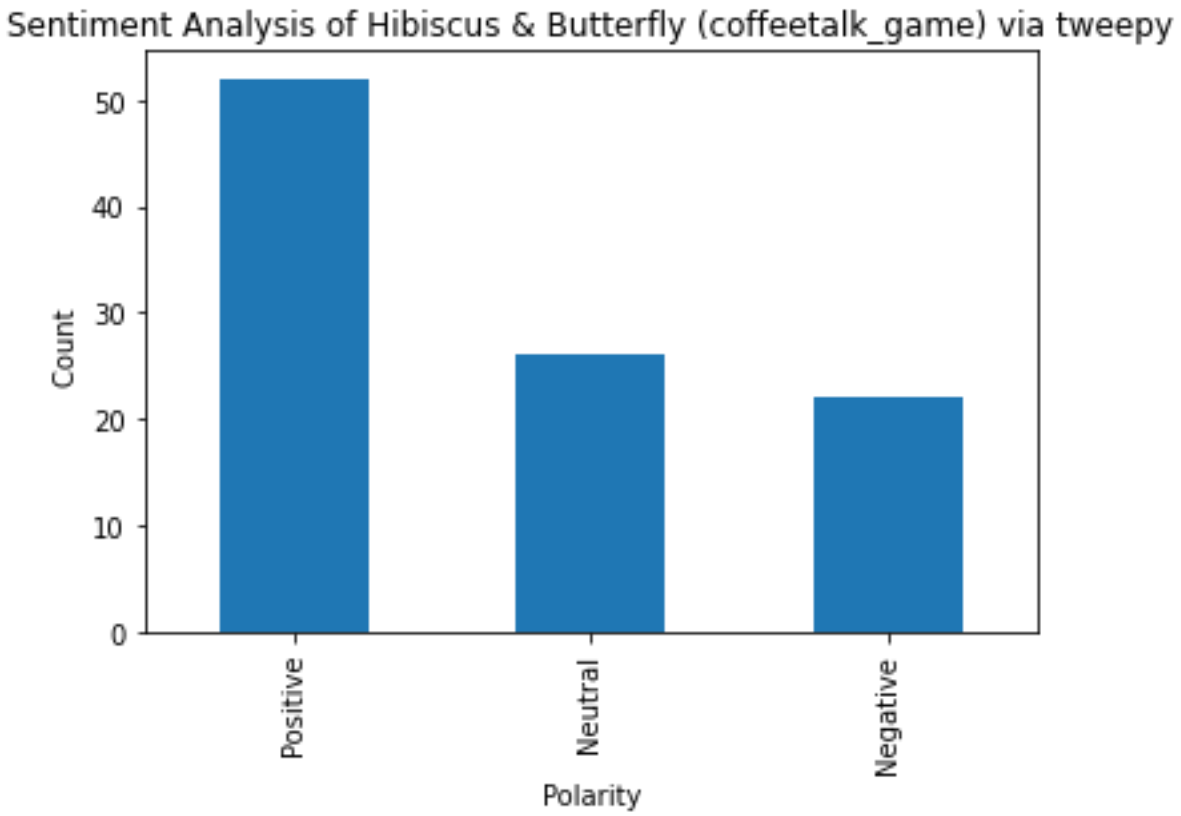
In [827]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of Hibiscus & Butterfly (coffeetalk_game) via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [828]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of Hibiscus & Butterfly (coffeetalk_game) via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [829]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Thanks!

2) : Hey ! Le 3e épisode de Coffee Talk est sorti ! Bon visionnage ! :D CoffeeTalk IndieGame _game

→

3) Thanks!

4) : ● LIVE ON STEAM!

Go to LudoNarraCon event page on Steam now! We're showing a short devlog of Coffee Talk Episode 2:...

5) : Haven’t drawn anything for ages, thought I should do a quick sketch of Riona 🦋☕ coffeetalk コーヒートーク

6) : Riona very quick sketch

7) : Lucas full body doodle (wip)

8) : "Creating an immersive world on a budget can be a challenge, but _game does an amazing job br inging 2D spri…

9) : 🎋 Next week we're celebrating my birthday, and here's the schedule 🎋

I'm excited to play stanleyparableultradeluxe as…

10) : I drew Freya fan art !
Recently I've played Coffee Talk and I really love it ! It was chill and pretty cute game ☕
I can’t…

11) _VT: Good Day everynyan! Happy Saturday!

We're back tonight with _game's Demo for Episode 2: Hibiscus and Butterf…

12) @_mannthea For now, it can’t. We’ll update if the apron is available to more countries!

13) Thanks a lot! ☕♡

14) We tried to have it available worldwide but for some reason, they didn't let us. Hopefully, we'll fi nd a way to ship worldwide soon!

15) Thanks a lot! ☕

16) : Going live soon! Today I am playing _game

Put on a pot of coffee and find a cozy spot to better immerse yoursel…

17) Coffee Talk apron is now available on Amazon US☕

Complete your barista look with our Coffee Talk apron. To our friends in the United States, you can n ow purchase the Coffee Talk apron from Amazon US!

The apron limited to 100 pieces. Grab yours now! ▶

18) : It's time to unwind and play _game. Grab your favorite beverage and let's enjoy our time with s ome great con…

19) : Going to chill, conversate, and drink a tasty beverage in _game.

Bring your favorite drink and let's talk a…

20) Hello everyone!

Coffee Talk Ep. 2: Hibiscus and Butterfly will be joining LudoNarraCon from May 5 - 9! Special thanks to our friends from for hosting the event.

Check out for the full line-up ☕

21) _Espresso Thanks a lot! ☕♡

22) _detective Good luck! 🍀☕

23) Thanks for playing, we're glad that you're enjoying Coffee Talk! ☕

24) : Happy long weekend, folks! ✨

Why not take the extra time off (if you've got it!) to visit the cozy _game c…

25) Thanks for visiting!

26) Happy weekend, everyone ☕

Here's a new menu from Coffee Talk ep. 2: Hibiscus & Butterfly. Who do you think will order thi s blue drink?

Indiegame gamedev CoffeeTalk コーヒートーク 커피토크

27) : Everyone, _game Ep. 2 Demo is live on Steam!

And thanks so much to the guys at …

28) _ _ Thanks for checking us out! 🙏

29) Thank you to everyone who participated and contributed to the fundraising for Fahmi's family. E ven with the simple act of sharing the news about this fundraiser, you've made a huge impact.

You can access the full fundraising results here:
▶

30) : From April 7th - 9th we'll be at London's _! Come and pay us a visit, play amazing new demos, a nd grab some e…

31) Also, we want to thank for this beautiful tribute illustration to Fahmi.

32) It's been very hard for us and we miss him dearly. Thank you to everyone's outpouring love and s upport. We appreciate each and every message we've received in support of our fundraiser.

Thank you.
You will always be in our hearts, Fahmi.

33) Switch, Playstation, and Xbox also counts. Thanks for the caring thoughts!

34) : In Memoriam of Mohammad Fahmi Hasni (1990 - 2022)

We're supporting ' fundraising for Fahmi's family t…

35) Today we received a devastating news that Fahmi, the creator & writer of Coffee Talk, has p assed away. May his soul rest in peace, and our hearts are with his family and loved ones.

May all the good things he shared, story he wrote, live on with us forever.

Thank you, Fahmi.

36) : CONGRATULATIONS to _Quest - you've won! And a big thank you to everyone who entered. ♡ ☕

Look out for much mo…

37) _ Thanks for the support! ☕♡

38) Coffee Talk Ep. 2: Hibiscus & Butterfly free demo:

Coffee Talk 40% off sale:

39) Have you checked GOG today?
featured Coffee Talk Ep. 2: Hibiscus & Butterfly on the front page today!

Try our Coffee Talk Ep. 2: Hibiscus & Butterfly demo for free on GOG!

Also, Coffee Talk is having a 40% off sale until 4th April 2022, 14:59 CEST on GOG!

Link below ▼

40) Neil plush campaign has officially ended!

We got over 400+ orders! Thank you so much to everyone for your enthusiasm and support, and to , for doing a second collaboration with us!

You can now relax and wait for your Neil plush to be shipped ☕

🎨:

41) ❗LAST CHANCE ❗
Bring home this adorable Neil plush with you!

This is your very last chance to get our limited Neil plush collaboration with . Once the campaign end s, there's no way to purchase this plush.

Get it now or never!
▶

42) : Anyone here already watched TurningRed?

(Gala and Hyde art by the talented ♡☕)

43) Two days left until the campaign ends!
Let's make it to 400 orders! ☕

Our Neil plush is extremely limited, and we won't produce it any more after the campaign ends.

You don't want to miss this plush. Grab one here!
▶

44) : To get you thinking about this year's release of Coffee Talk Episode 2: Hibiscus & Butterfly, here's a chance to win a…

45) : same person ✨

Almost exactly 1 year apart, the original Neil (from Coffee Talk by) emote I made for my ch…

46) Neil is enjoying their drink with... mini Neil.

Have you got your own mini Neil?
Our Neil plush campaign will end in 3 days, and there's no way to purchase the plush after the camp aign ends.

Make sure to get yourself one before the time runs out!
▶

47) “Are you Urukhigh69?”

Even if you’re not Urukhigh69, you can always bring our favorite Astro man home with you.

4 days left until the campaign ends!
Get your own limited Neil plush, and let them breed!
▶

48) 7 days left until campaign ends!

Our Neil plush campaign with will end in 7 days. There's no way to purchase this limited Neil plush a fter the campaign ends, so make sure to get yourself one now.

Every pre-orders will get a free wallpaper!
▶

49) : An unexpected delivery to brighten anyone's Friday - thank you, ! ☕ ♡

Check out their joyful collection…

50) @_Paper_Games_ _games Thanks! ☕♡

51) Thank you so much, Mr. Yoshida! 🙏♡

52) _game: Did you know that Milky Way is Neil's signature drink? Here's a recipe that you can try at home! This warm and refresh…

In [830]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : _game by

The new chapter of the Coffee Talk series brings us Episode 2. You run the local c…

2) : New video! Some recommendations from this year's LudoNarraCon! Get your game sales and de mos now!
…

3) Meeting new people can be awkward. Who else feels like Lucas and Jorji when interacting with ne w people? ☕

CoffeeTalk コーヒートーク 커피토크 indiegame indiedev

4) : let's have a coffee talk ☕✨ _game
CoffeeTalk coffeetalkfanart fanart illustrationart

5) : _game 💜☕

6) : _game These streams will happen over at my Twitch channel:

7) : Coffee Talk Game Review – A cozy fantasy visual novel coffeetalk _game

8) : We are still having our demo running on our _game Ep. 2's store page, here: !

If you en…

9) : yo, can you keep a secret??

dont tell my boss BUT if you buy the Jumbo Nigel plush in the next 2 weeks, we're gonna give…

10) : about to get into some drunk _game shenanigans 💜

11) _nv: I posted something on my youtube👀
and I know it's so late to do this. but, I did it anyway www.

Check it out~ at http…

12) : Thank you for the gift! _game Now I can brew my coffee with style

13) : If you need a moment of calm at _ stop by our booth for some solace in a cafe in _game Episod e 2:…

14) Hi, thanks for the thoughts. If you want to help his family, you can buy his other game 'What Co mes After' on Steam where all of the April revenue and sales will be given to Fahmi's family.

15) The game will be discounted for 32% from Thursday, March 31st (10 AM PT) to Monday, April 4t h (10 AM PT).

16) In Memoriam of Mohammad Fahmi Hasni (1990 - 2022)

We are fundraising for Fahmi's Family through Coffee Talk. The game will be discounted for 32% fro m March 31st to April 4th. All proceeds from this period will be given to Fahmi's family.

17) _steamer: CoffeeTalk FANA~Drown your troubles in coffee~

Fanart of _game 😊💖

18) : Go order the Neil plush NOW! The campaign is ending in 3 days!

This is a limited edition plushie, we will not reproduce it…

19) _game: 7 days left until campaign ends!

Our Neil plush campaign with will end in 7 days. There's no way to purchas…

20) : The lo-fi, chill classic, _game by , is a heart-to-heart talking simulator about meeting ne…

21) We're sorry, but our limited Freya plush is not available anymore to purchase. You can only get our limited plush on our campaign with Makeship. Once the campaign ends, you can't buy the plush anymore.

22) : Just learned about this _game mecrh from

In [831]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) 👀

2) : Presenting ✨Lucas✨ from Coffee Talk Ep. 2

CoffeeTalk TogeProductions indiegame FANAArt

3) _fa: 雰囲気めちゃ好きです☕
稲葉百万鉄 coffeetalk

4) _1108: Lucasくんと Rionaさん
Coffeetalk2楽しみだー

5) 😍♡

6) : LudoNarraCon sale is happening until May 9th (PDT) 2022! Here are some of our games that are on sale.

☕Coffee Talk (…

7) : We are ON for Tuesday Night Stream!

Come join as she plays _game from our fabulous friends at…

8) ☕♡♡♡

9) Thank you! ☕♡

10) @_tashbunny We ship to Malaysia too 👀

11) Thank you! ☕♡

12) @_mannthea Have you changed your address to US address? They will show the item as sold out if you put an address that’s outside US.

13) We have Malaysia Shopee! ▶

14) _kokoro: ⋆⋌ TODAY'S STREAM ⋍⋆

✕✕————

▼23:00
-`¸ COFFEE TALK 1 ¸´-

————————✕✕

。° 。°

23時のまっ…

15) Yes, of course! ☕♡

16) Please take care! Here's Masala Chai to soothe the day, it's on us ☕

17) Thank you! ☕♡

18) _ 🤲♡

19) _ Nope, EP 2 is a sequel to Coffee Talk. You can straight-up download the demo and play!

20) From April 7th-9th, Coffee Talk will be at London's _ event! Visit us at the booth if you're there a nd play our Coffee Talk ep. 2 demos!

If you can't attend the event, you can still play the demo on Steam while the event lasts.

21) Yes, all consoles proceeds from March 31st to April 4th will goes to his family.

22) _Aponte Yes!

23) Of course!

24)

25) : Neil plush is coming to you in June! 🧒🚀☕

If you haven't pre-ordered, the campaign for exclusive Neil plush on …

26) : This is a short list of my personal recommendations from the PlayStation Indies sale on the PS S tore 😎

CHAPTER #3: GRAPPLE DOG (JOGRIBBIN)

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [767]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [768]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [769]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [832]:

```
posts= api.user_timeline(screen_name='JoGribbin',count=100,tweet_mode='extended')
```

In [833]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) 'maybe someone somewhere has invented a program that does this very specific task' i wonder h opelessly, avoiding just sitting down and getting on with it.

2) having one of those moments where I'm desperately trying to find a clever solution so I don't have to do the very tedious and repetitive task that will actually solve the problem.

3) @RedTunicPodcast yeah i may have to open it up and clean around

4) After all that... Can't find the bloody memory card. Giving up I think.

5) Wait !!! THPS3 seems to work!! Look it's Mr hawk himself !! https://t.co/3r5EJawEmx

6) I'm sorry shadow... Another time maybe 😥 https://t.co/RBx6AC7PSZ

7) After much delay I finally got my PS2 up and running... Aaaaaand the disc drive is broken :') https://t.co/SpkcLOLPBd

8) they are so hard to find but i got you !!! i m the bes t

9) !!! found tha memry leak

10) 'Can't believe Starmer might have to resign over eating a curry!!' He had a man deported for taking a single scoop of ice cream.

In [834]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[834]:

	Tweets
0	'maybe someone somewhere has invented a progra...
1	having one of those moments where I'm desperat...
2	@RedTunicPodcast yeah i may have to open it up...
3	After all that... Can't find the bloody memory...
4	Wait !!! THPS3 seems to work!! Look it's Mr ha...
...	...
95	anyway those are just my jack and the beanstal...
96	point is jack still shouldn't have traded the ...
97	i know, okay.
98	oh no i had a viral-ish tweet comparing the sq...
99	@gsuberland hmm maybe. The other speculation I...

100 rows × 1 columns

In [835]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [836]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [837]:

```
df
```

Out[837]:

	Tweets
0	'maybe someone somewhere has invented a progra...
1	having one of those moments where I'm desperat...
2	yeah i may have to open it up and clean around
3	After all that... Can't find the bloody memory...
4	Wait !!! THPS3 seems to work!! Look it's Mr ha...
...	...
95	anyway those are just my jack and the beanstal...
96	point is jack still shouldn't have traded the ...
97	i know, okay.
98	oh no i had a viral-ish tweet comparing the sq...
99	hmm maybe. The other speculation I've seen is...

100 rows × 1 columns

In [838]:

```
analysis=TextBlob("Today was the best day ")
```

In [839]:

```
analysis.sentiment
```

Out[839]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [840]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [841]:

```
df
```

Out[841]:

	Tweets	Subjectivity	Polarity
0	'maybe someone somewhere has invented a progra...	0.225694	-0.077778
1	having one of those moments where I'm desperat...	0.636667	-0.266667
2	yeah i may have to open it up and clean around	0.600000	0.183333
3	After all that... Can't find the bloody memory...	0.900000	-0.800000
4	Wait !!! THPS3 seems to work!! Look it's Mr ha...	0.000000	0.000000
...	...	...	...
95	anyway those are just my jack and the beanstal...	0.933333	0.533333
96	point is jack still shouldn't have traded the ...	0.611111	-0.111111
97	i know, okay.	0.500000	0.500000
98	oh no i had a viral-ish tweet comparing the sq...	0.716667	0.333333

	Tweets	Subjectivity	Polarity
99	hmm maybe. The other speculation I've seen is...	0.568056	0.170833

100 rows × 3 columns

In [ ]:

In [842]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
   if score<0:
      return 'Negative'
   elif score==0:
      return 'Neutral'
   else:
      return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[842]:

	Tweets	Subjectivity	Polarity	Analysis
0	'maybe someone somewhere has invented a progra...	0.225694	-0.077778	Negative
1	having one of those moments where I'm desperat...	0.636667	-0.266667	Negative
2	yeah i may have to open it up and clean around	0.600000	0.183333	Positive
3	After all that... Can't find the bloody memory...	0.900000	-0.800000	Negative
4	Wait !!! THPS3 seems to work!! Look it's Mr ha...	0.000000	0.000000	Neutral
...	...	...	...	...
95	anyway those are just my jack and the beanstal...	0.933333	0.533333	Positive
96	point is jack still shouldn't have traded the ...	0.611111	-0.111111	Negative

	Tweets	Subjectivity	Polarity	Analysis
97	i know, okay.	0.500000	0.500000	Positive
98	oh no i had a viral-ish tweet comparing the sq...	0.716667	0.333333	Positive
99	hmm maybe. The other speculation I've seen is...	0.568056	0.170833	Positive

100 rows × 4 columns

In [843]:

```
df[df['Analysis']=='Neutral']
```

Out[843]:

	Tweets	Subjectivity	Polarity	Analysis
4	Wait !!! THPS3 seems to work!! Look it's Mr ha...	0.000000	0.0	Neutral
8	!!! found tha memry leak	0.000000	0.0	Neutral
11	pffft i wish	0.000000	0.0	Neutral
18	: if you don't pet Pablo at the end of every G...	0.000000	0.0	Neutral
23		0.000000	0.0	Neutral
35	: Some highlights from my BandcampFriday haul\...	0.000000	0.0	Neutral
37	also the beach skybox went through lots of ver...	0.500000	0.0	Neutral
38	also tried out lots of different colours for t...	0.800000	0.0	Neutral
41	_akm: Roy	0.000000	0.0	Neutral
45	: ⭐ RADICAL STYLE! ⭐	0.000000	0.0	Neutral
47	_rumpus: I made this!!	0.000000	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
53	Idk like... Shoot something that's not a lase...	0.000000	0.0	Neutral
61	: 纯天然蛾妖精	0.000000	0.0	Neutral
63	: Yoshi's Story	0.000000	0.0	Neutral
67	Oooh I have forgotten a lot of timesplitters ...	0.750000	0.0	Neutral
69	If I remember correctly you play as a train f...	0.000000	0.0	Neutral
75	_au Yes ofc !	0.000000	0.0	Neutral
79	Feel like games and cinema are fascinated with...	0.000000	0.0	Neutral
83	(please don't speculate)	0.000000	0.0	Neutral
85	: 💀 TOTAL MAYHEM! 💀	0.750000	0.0	Neutral
89	: Recent reports have former Nintendo of Ameri...	0.416667	0.0	Neutral

In [844]:

```
df['Analysis'].value_counts()
```

Out[844]:

```
Positive    52
Negative    27
Neutral     21
Name: Analysis, dtype: int64
```

In [845]:

```
df.shape
```

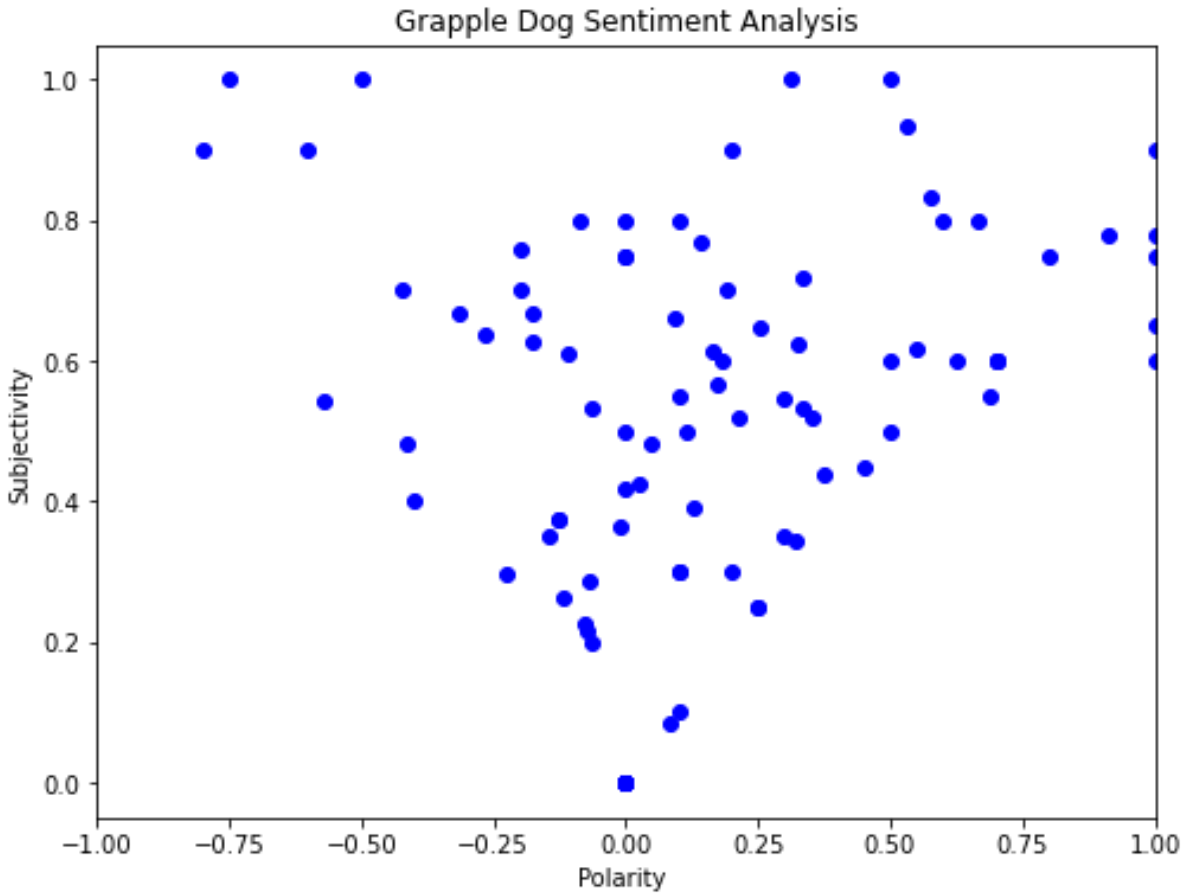
Out[845]:

```
(100, 4)
```

In [846]:

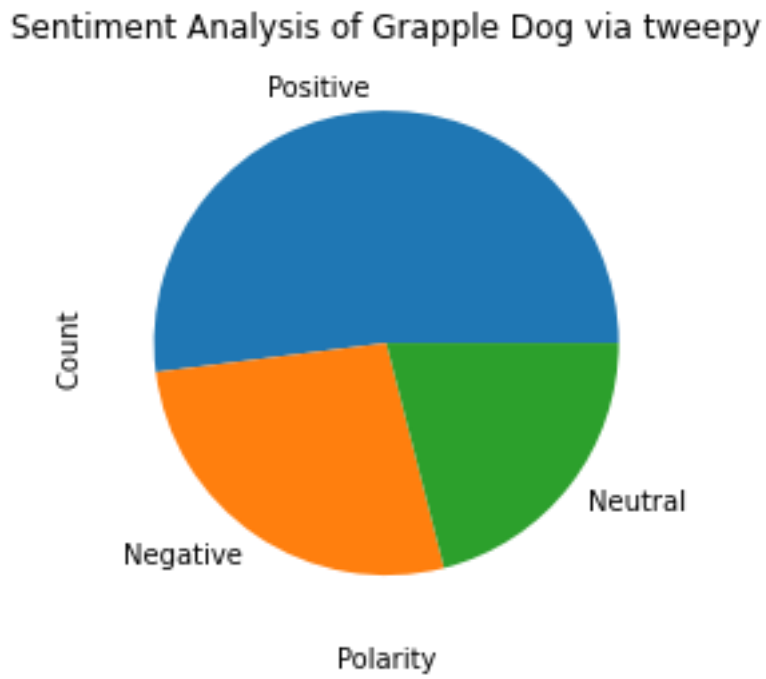
```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
   plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("Grapple Dog Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
```

```
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



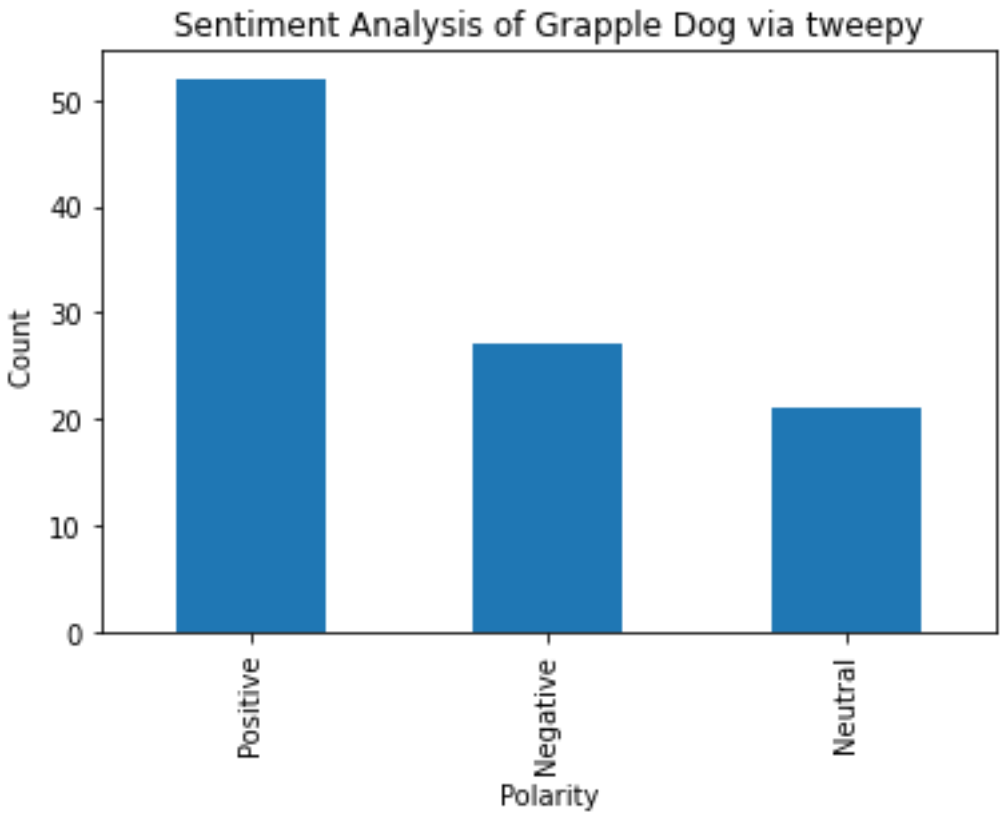
In [848]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of Grapple Dog via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [849]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of Grapple Dog via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [850]:

 # Lets get positive tweets only

```
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) yeah i may have to open it up and clean around

2) : entertaining as it is to see Starmer get hoisted on his own petard, it is frightening that neither go vernment nor oppos…

3) good mornin it's time to *checks notes* make video games ?? oh no

4) _: OTXO DEMO AVAILABLE FOR 1 (ONE) MORE DAY. LINK BELOW

5) That's high praise! Forgotten Land has such good colours

6) I think the Spyro GBA games use this kind of art and they look pretty good!

7) : 2 months later... I BEAT GRAPPLE DOG!! For real, with 2D platformers being so common, Grapple Dog absolutely stands ou…

8) It's used to be people got really mad about the rules of pixel art and im glad that seems to have di sappeared. I hope we can find love and appreciation for pixel art outside of rule fetishism.

9) My attitude towards pixel art is I like it I think it's good

10) : The famous interview where Orson Welles rips into Alex Kidd:

11) : some early concept art / colour test pieces for grapple dog i found

12) _games Hi! I'm aware of this issue - if you press jump instead of a you will be able to access it

13) We installed a doorbell, but every person who has come to the door just loudly knocks on it any way.

14) bonus: a scrapped 'castle interior' bg, and a very early painting of the mountains

15) some more colour sketches (some of the later ones i did at a lower resolution cos it was easier)

16) some early concept art / colour test pieces for grapple dog i found

17) did some really neat programming today but it doesnt look like anything so just gonna sit here an d give myself a pat on the back.

18) _rumpus Looks so good Grayson !!

19) _: Hello MTV, welcome to my crib! ✌😎✌

20) I am working right now to get an update out as soon as possible.

21) This is due to some save files becoming corrupted after buttons have been remapped.

22) Hi - I'm aware off an issue with Grapple Dog where it crashes on startup. A fix will be included in the next patch, which should be out in the next couple of weeks.

23) It's a 5/10 show with some actors giving 10/10 performances. It's a little odd. I guess I enjoyed it? ?

24) Moon Knight is pretty good whenever it's like... Actors in a room talking to each other. Oscar Isaa c is doing a really fun performance, and Ethan Hawke is really committed. They have a lot of great sc enes together. But then at some point: lasers.

25) I feel like these finales raise the stakes visually with like CGI lasers and stuff, but lower the stakes dramatically? The characters have already sorted out their problems, and you know no ones gonna d ie, so you just kind of wait for the light show to end.

26) Hi - That's an unrelated issue, but I am aware of it. A fix is on the way.

27) Tons of beautiful pixel animation and great level design. Really solid stuff.

28) am playing FlynnSonofCrimson - its very good!!! check it out !!

29) : Don’t Sleep On Perfect Tides, One Of The Year’s Best Games

30) _ The bit when you're on top of a moving train? It's a good sequence!

31) I love Toy Story 2 on PS1 for this!

32) _Cadey: The Mario 3D world ones are pretty snazzy!

33) : Vanquish and Contra Hard Corps have great train levels. Although I think the Vanquish one is ki nda like a sci…

34) Oooh yeah! Still a good example :)

35) Vanquish has a moving train sequence where you have to fight another moving train that is also upside down so I think that might win.

36) There are also some games that have a *mystery* on a moving train. Paper Mario TTYD has a gre at one. Hat in Time. The upcoming Loco Motive. (All of course inspired by Murder On The Orient Exp ress)

37) : I’m a platformer idiot so I’d probably say Hat In Time has some of the best ones, 3D World is cl ose though

38) The train fight in From Russia With Love is amazing, and I think the inspiration for 90% of other s equences ?

39) Hitman 3 has an okayyyish one. Splinter Cell Blacklist had one that wasn't very good.

40) Playing Gears 1 and the moving train in that is great. Uncharted 2 is ofc a fantastic sequence. Gu nstar Heroes has a great one.

41) Best moving train level in video game history?

42) _: DEMO LIVE ON STEAM RIGHT NOW (link below)

gamemaker gamedev

43) gave one of my dream games a title today and oh no now its real

44) _Portman ooooh yeah Tropical Freeze has a great soundtrack!

45) now im thinkin about how good Yoshi's Wooly World is in general... gosh what a game

46) thinkin about how good the Yoshi's Wooly World soundtrack is again

47) : Love her

48) oh yeah and also some people being weirdly agressive because i criticised blockchain. I have bee n using the block button a fair bit. it's fun!

49) anyway those are just my jack and the beanstalk hot takes. controversial and brave i know.

50) i know, okay.

51) oh no i had a viral-ish tweet comparing the square enix sale to buying magic beans, and now i ha ve received 8000 replies explaining that the magic beans in jack and the bean stalk were real actually .

52) hmm maybe. The other speculation I've seen is that Square Enix is looking to sell themselves, bu t potential buyers aren't interested in managing those particular studios, so they're selling em quick and cheap?

In [851]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) 'maybe someone somewhere has invented a program that does this very specific task' i wonder h opelessly, avoiding just sitting down and getting on with it.

2) having one of those moments where I'm desperately trying to find a clever solution so I don't have to do the very tedious and repetitive task that will actually solve the problem.

3) After all that... Can't find the bloody memory card. Giving up I think.

4) I'm sorry shadow... Another time maybe 😢

5) After much delay I finally got my PS2 up and running... Aaaaaand the disc drive is broken :')

6) they are so hard to find but i got you !!! i m the bes t

7) 'Can't believe Starmer might have to resign over eating a curry!!' He had a man deported for takin g a single scoop of ice cream.

8) 'its not fair !! It's all lies!!'

Oh, you're saying the papers exaggerated an issue for political purposes??? Sounds like the kind of d angerous conspiracy thinking that'll get you kicked out of the Labour party.

9) Starmer joined in with the papers attacking and smearing left wing politicians and activists. Now t he papers have turned round and used the same tactics on him, and I'm supposed to feel bad? Nah c ouldn't be me. Frankly, I hope he stubs his toe every day.

10) On the one hand maybe 'beergate' is made-up tabloid nonsense designed to smear Starmer, but on the other hand he deserves it.

11) _rosen: my wife came back from the multiverse of madness. yeah she said there was even a univ erse where i was ugly and lazy. i said…

12) : Game: Spider-Man (2002, GC)
TAS author: Natetheman223
Source:

13) Wow really? It's a shame. I worked really hard on em. Sad to hear the game is invisible.

14) OR maybe I am making bad pixel art, or not real pixel art or whatever. Oops! Just gonna continue to do that anyway.

15) Wow! Letterbox flapping is rude

16) The knocking is louder :(

17) Is this a York thing ??? Are the people of York afraid of doorbells

18) I always forget Idris Elba was in those Thor movies... Feel like he woulda got a bigger part if he w as cast like just a few years later.

19) i am optimising (with a focus on switch performance !!) and have replaced a number of scripts with ones which function identically but are less costly. its hard work making things look exactly the way they did before...

20) In the meantime, if you delete your save file you can access the game again. I understand this is not ideal as you will lose your progress.

21) Why does every marvel thing have to end with two peeps firing lasers at each other

22) Will say: not generally a fan of being on top of the train and having to avoid like... Train signs and scafolding etc. Usually it's a boring QTE ?

23) : Definitely Macbeth from Star Fox 64. Chasing down a train in a tank, destroying it one train car at a time, and…

24) : 2nd level of the console alien hominid. Cars not train but similar idea haha.

25) (this is a project i have been thinking about + putting references together for + doing a little con cept work on. a while off if ever. Definitely not The Next Game. ask me in 10 years if i shipped it)

26) : This game finally has a name: Flare nuinui quest!
You can play it here:

Now that stage 2 is done, my ne…

27) point is jack still shouldn't have traded the cow for them. dont think the lesson we should take a way from jack's reckless bartering is to always make bad decisions vis-a-vis magical beans.

In [852]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) Wait !!! THPS3 seems to work!! Look it's Mr hawk himself !!

2) !!! found tha memry leak

3) pffft i wish

4) : if you don't pet Pablo at the end of every Grapple Dog level, are you even a gamer?

5)

6) : Some highlights from my BandcampFriday haul
h…

7) also the beach skybox went through lots of versions with various degrees of complexity.

8) also tried out lots of different colours for the castle before i settled on the final one

9) _akm: Roy

10) : ☆ RADICAL STYLE! ☆

11) _rumpus: I made this!!

12) Idk like... Shoot something that's not a laser? A catapult maybe

13) : 纯天然蛾妖精

14) : Yoshi's Story

15) Oooh I have forgotten a lot of timesplitters stuff. Totally forgot it had a train sequence.

16) If I remember correctly you play as a train fighting another train? Soooooo no I wouldn't count t hat :')

17) _au Yes ofc !

18) Feel like games and cinema are fascinated with the moving train sequences.

19) (please don't speculate)

20) : 💀 TOTAL MAYHEM! 💀

21) : Recent reports have former Nintendo of America employees and contractors finally opening up, and their stories reveal a Nintendo t…

CHAPTER #3: HARP SONG (HARPSONGGAME)

Loading [MathJax]/jax/output/CommonHTML/fonts/TeX/fontdata.js

In [594]:

```
#!pip install tweepy
#!pip install textblob
#%pip install wordcloud
#pip install pipreqs
```

In [ ]:

In [767]:

```
import tweepy # to gather tweeter data
from textblob import TextBlob
import pandas as pd
import matplotlib.pyplot as plt
import re
#from wordcloud import WordCloud
#plt.style.use('fivethirtyeight')
```

In [768]:

```
# Twitter Api  Credentials
APIkey= "6HQiJpYgkFvDzeuYyEzaRalkE"
APISecreatKey= "hKzYEPinXpT6nqX1fQP9HYE0ir3SYRaHUnZFhJBJxrK9WaE1lx"
accessToken= "1496790128223830022-JCM8k0yu05463B5FSpBgl4jabxANyz"
accessTokenSecreat= "ypjJjMkBiJqstTVn2CZhIzwFZeadHfrmILpCmvxMOpBfr"
```

In [769]:

```
# create the authentication object
authenticate = tweepy.OAuthHandler(APIkey,APISecreatKey)
authenticate.set_access_token(accessToken,accessTokenSecreat)
api= tweepy.API(authenticate)
```

In [853]:

```
posts= api.user_timeline(screen_name='harpsonggame',count=100,tweet_mode='extended')
```

In [854]:

```
i=1
for tweet in posts[:10]:  # just want to see the top 10 from 100
   print(str(i) + ') ' + tweet.full_text + '\n')
   i= i+1
```

1) @Anchry @NFTSFilmTV 👏👏👏👏

2) RT @Anchry: Some screenshots from @harpsonggame the grad project i've been working on for t he past 8 months for my Masters at the @NFTSFilm…

3) RT @3BitUK: @harpsonggame @NFTS_Games @EGX We absolutely loved exploring your demo an d hope we can continue the story of clàr in the future!

4) Was great to have 3BIT cover our @NFTS_Games stand in the #RezzedZone of @EGX this past we ekend! Thank you for playing Harp Song 😁🍀

#indiedev #gamedev #gaming #indiegamedev #videogames #pcgaming #madewithunity #EGX2021 https://t.co/2fS8SO6UMG

5) RT @Anchry: Thank you to everyone who helped make @harpsonggame a reality and thank you @juliana_lynch_ for making our booth at #EGX2021 a…

6) We want to say a massive thank you to everyone for a successful @EGX!! We had an absolute blast meeting you all & can't wait to see what the future holds with our game 🍀🥰

#EGX #egx2021 #indiegame #IndieGameDev #indiedev https://t.co/rGWtE0DyKq

7) RT @NFTS_Games: Last day to check out our excellent games. Come along to #EGX2021
@DragonsBreath3d
@GravityCommando
@harpsonggame
@Hymb…

8) @Ellieminimay @ThisPlatinum @WhitePaperGames Thank youuu, so appreciated 🙌🙏

9) Thankful for our amazing players at @EGX every day 🥰🥰 https://t.co/Kfm2mRV6Is

10) RT @EstherAlade: @SpiritGuardian7 @harpsonggame @GravityCommando
#rezzedzone @EGX
#IndieGameDev https://t.co/ynz7ySKOQQ

In [855]:

```
# Create a dataframe with a column called tweets
df= pd.DataFrame([tweet.full_text for tweet in posts],columns=['Tweets'])
df
```

Out[855]:

	Tweets
0	@Anchry @NFTSFilmTV 👏👏👏👏
1	RT @Anchry: Some screenshots from @harpsonggam...
2	RT @3BitUK: @harpsonggame @NFTS_Games @EGX We ...
3	Was great to have 3BIT cover our @NFTS_Games s...
4	RT @Anchry: Thank you to everyone who helped m...
...	...

	Tweets
95	@AngelCorpTerra It looks great, good job! 🙌🏻
96	@BerryPatchGames Love the baseball cap detail 😅
97	@Devin_Santi Great art style here!!
98	@dreamway_games Amazing, can't let that monste...
99	@ivangarciafilho @MoonMoniq It's coming togeth...

100 rows × 1 columns

In [856]:

```
# make a function to clean tweets
def cleanTxt(text):
   text= re.sub('@[A-Za-z0-9]+','',text ) #removing mentions
   text= re.sub("#",'',text) #removing #
   text= re.sub('RT[\s]+','',text) # removing Retweets
   text= re.sub('https?:\/\/\S+','',text) #removing links
   return text
```

In [857]:

```
df['Tweets']= df['Tweets'].apply(cleanTxt)
```

In [858]:

```
df
```

Out[858]:

	Tweets
0	👏🏻👏🏻👏🏻👏🏻
1	: Some screenshots from the grad project i've...
2	: _Games We absolutely loved exploring your ...
3	Was great to have 3BIT cover our _Games stand ...
4	: Thank you to everyone who helped make a rea...

	Tweets
...	...
95	It looks great, good job! 🙌🏼
96	Love the baseball cap detail 😂
97	_Santi Great art style here!!
98	_games Amazing, can't let that monstera die on...
99	It's coming together great, keep it up!! 😁

100 rows × 1 columns

In [859]:

```
analysis=TextBlob("Today was the best day ")
```

In [860]:

```
analysis.sentiment
```

Out[860]:

```
Sentiment(polarity=1.0, subjectivity=0.3)
```

In [861]:

```
# create a function to get the subjectivity of all the tweets
def getSubjectivity(text):
   return TextBlob(text).sentiment.subjectivity

# create a function to get the Polarity of all the tweets
def getPolarity(text):
   return TextBlob(text).sentiment.polarity

# create 2 columns 'Subjectivity' and 'Polarity'
df['Subjectivity']= df['Tweets'].apply(getSubjectivity)
df['Polarity']= df['Tweets'].apply(getPolarity)
```

In [862]:

```
df
```

Out[862]:

	Tweets	Subjectivity	Polarity
0	👏🏼👏🏼👏🏼👏🏼	0.0000	0.00000

	Tweets	Subjectivity	Polarity
1	: Some screenshots from the grad project i've...	0.2500	-0.25000
2	: _Games We absolutely loved exploring your ...	0.4625	0.35000
3	Was great to have 3BIT cover our _Games stand ...	0.5000	0.24375
4	: Thank you to everyone who helped make a rea...	0.0000	0.00000
...	...	...	...
95	It looks great, good job! 🙌	0.6750	0.83750
96	Love the baseball cap detail 😂	0.6000	0.50000
97	_Santi Great art style here!!	0.7500	1.00000
98	_games Amazing, can't let that monstera die on...	0.9000	0.60000
99	It's coming together great, keep it up!! 😁	0.7500	1.00000

100 rows × 3 columns

In [ ]:

In [863]:

```
# Create a function to compute negative neutral and positive

def getAnalysis(score):
  if score<0:
    return 'Negative'
  elif score==0:
    return 'Neutral'
  else:
    return 'Positive'

df['Analysis']= df['Polarity'].apply(getAnalysis)
df
```

Out[863]:

	Tweets	Subjectivity	Polarity	Analysis
0	👏👏👏👏	0.0000	0.00000	Neutral
1	: Some screenshots from the grad project i've...	0.2500	-0.25000	Negative
2	: _Games We absolutely loved exploring your ...	0.4625	0.35000	Positive
3	Was great to have 3BIT cover our _Games stand ...	0.5000	0.24375	Positive
4	: Thank you to everyone who helped make a rea...	0.0000	0.00000	Neutral
...	...	...	...	...
95	It looks great, good job! 🙌	0.6750	0.83750	Positive
96	Love the baseball cap detail 😂	0.6000	0.50000	Positive
97	_Santi Great art style here!!	0.7500	1.00000	Positive
98	_games Amazing, can’t let that monstera die on...	0.9000	0.60000	Positive
99	It’s coming together great, keep it up!! 😁	0.7500	1.00000	Positive

100 rows × 4 columns

In [864]:

```
df[df['Analysis']=='Neutral']
```

Out[864]:

	Tweets	Subjectivity	Polarity	Analysis
0	👏👏👏👏	0.00	0.0	Neutral
4	: Thank you to everyone who helped make a rea...	0.00	0.0	Neutral
9	: \nrezzedzone \nIndieGameDev	0.00	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
12	Catch a glimpse of our BOPPIN’ stand 24 second...	0.00	0.0	Neutral
17	: A reminder to check out in the RezzedZone a...	0.00	0.0	Neutral
21	_lynch_: Ayyyyyyyy check those hoodies baby \n...	0.00	0.0	Neutral
32	_Games: This week we're coming to with our ...	0.00	0.0	Neutral
34	: Hey thats me	0.00	0.0	Neutral
36	Officially 1 week out to the start of !! 🎉 😅 Ha...	0.20	0.0	Neutral
41	Hehe join the club 😂 Thank you!!	0.00	0.0	Neutral
44	Thank you thank you thank you!! 😊 😊 We’re mixi...	0.00	0.0	Neutral
46	Thank you!	0.00	0.0	Neutral
48	Níl ann anseo ach an tús. Cà fhaide eile a bhf...	0.00	0.0	Neutral
50	_rev Thank youu! Appreciate it.	0.00	0.0	Neutral
52		0.00	0.0	Neutral
61	...always 😂	0.00	0.0	Neutral
63	_lynch_: Shoutout to for all this backbreakin...	0.00	0.0	Neutral
65	_rev Thanks for the space _rev 🎉 We’re a indie...	0.25	0.0	Neutral
68	Thank you! 😁	0.00	0.0	Neutral
71	_Games_ Beach shots just in time for the UK h...	0.00	0.0	Neutral

	Tweets	Subjectivity	Polarity	Analysis
90	The coffee mug there is making my day 😂🙌	0.00	0.0	Neutral

In [865]:

```
df['Analysis'].value_counts()
```

Out[865]:

```
Positive    69
Neutral     21
Negative    10
Name: Analysis, dtype: int64
```

In [866]:

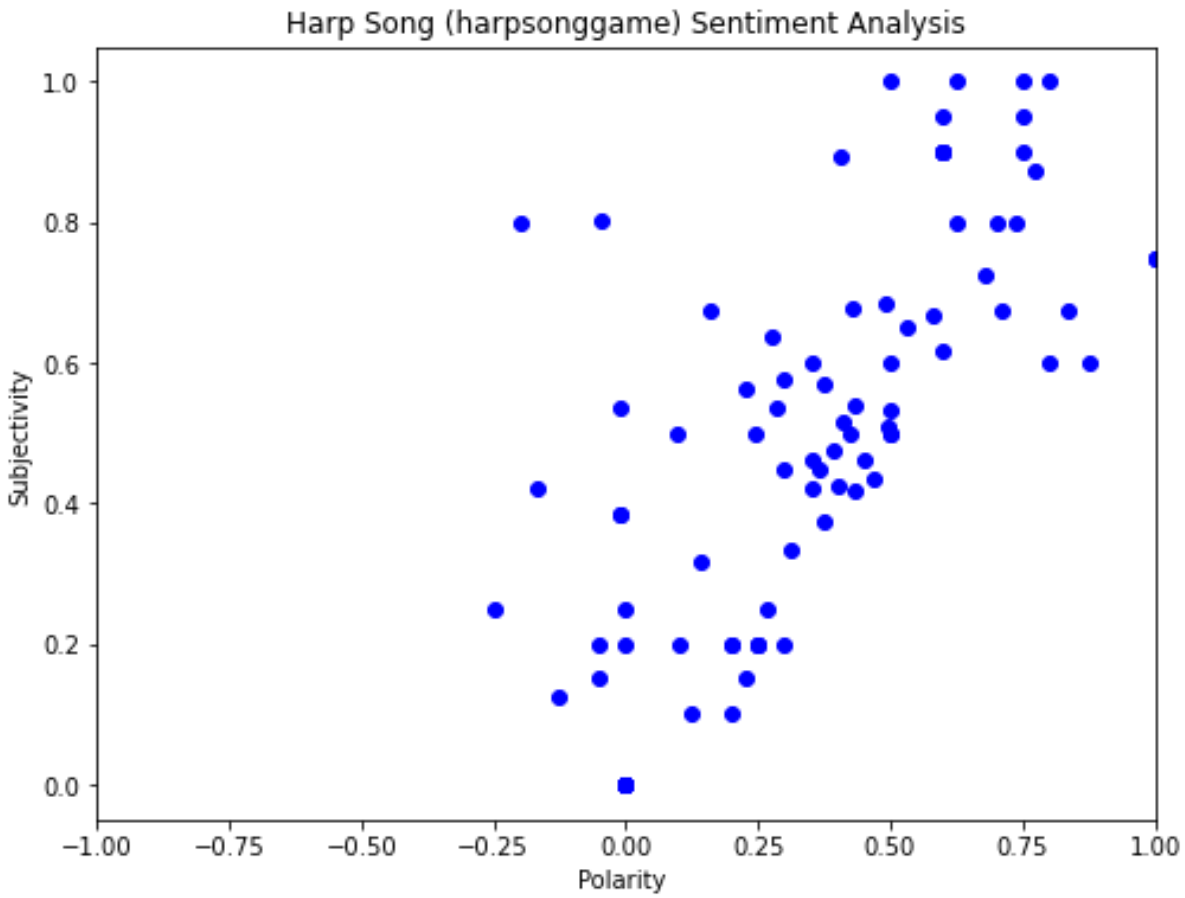
```
df.shape
```

Out[866]:

```
(100, 4)
```

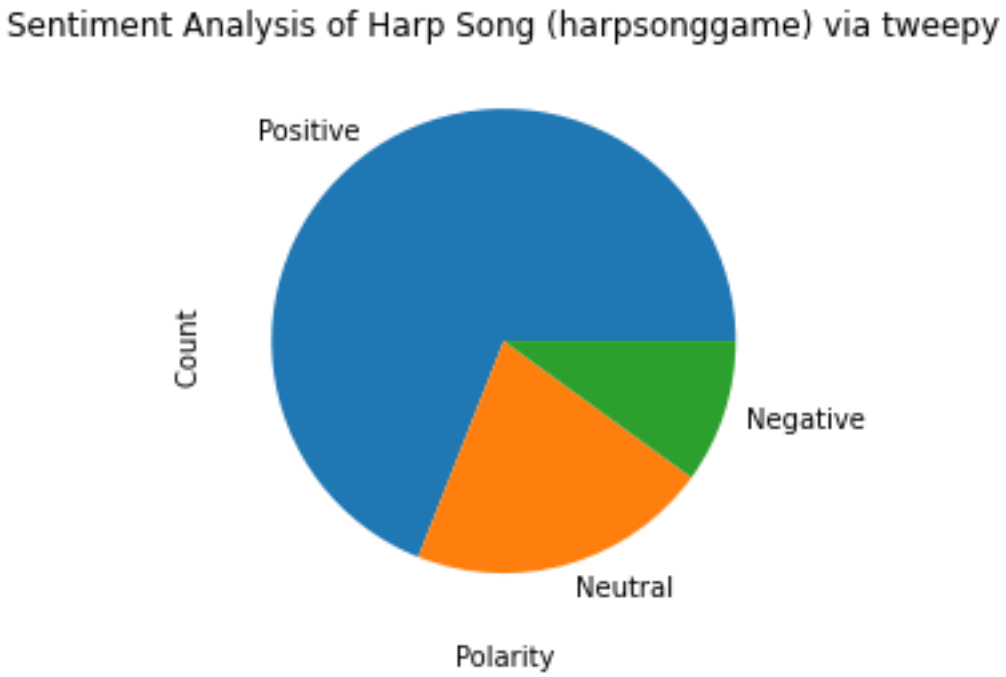
In [867]:

```
# plotting scatter plot
plt.figure(figsize=(8,6))
for i in range(0,df.shape[0]):
    plt.scatter(df['Polarity'][i],df['Subjectivity'][i],color='Blue')

plt.title("Harp Song (harpsonggame) Sentiment Analysis")
plt.xlim(-1,1)
plt.xlabel('Polarity ')
plt.ylabel('Subjectivity')
plt.show()

# Only 3 neutral it is showing because it is overlapping
```



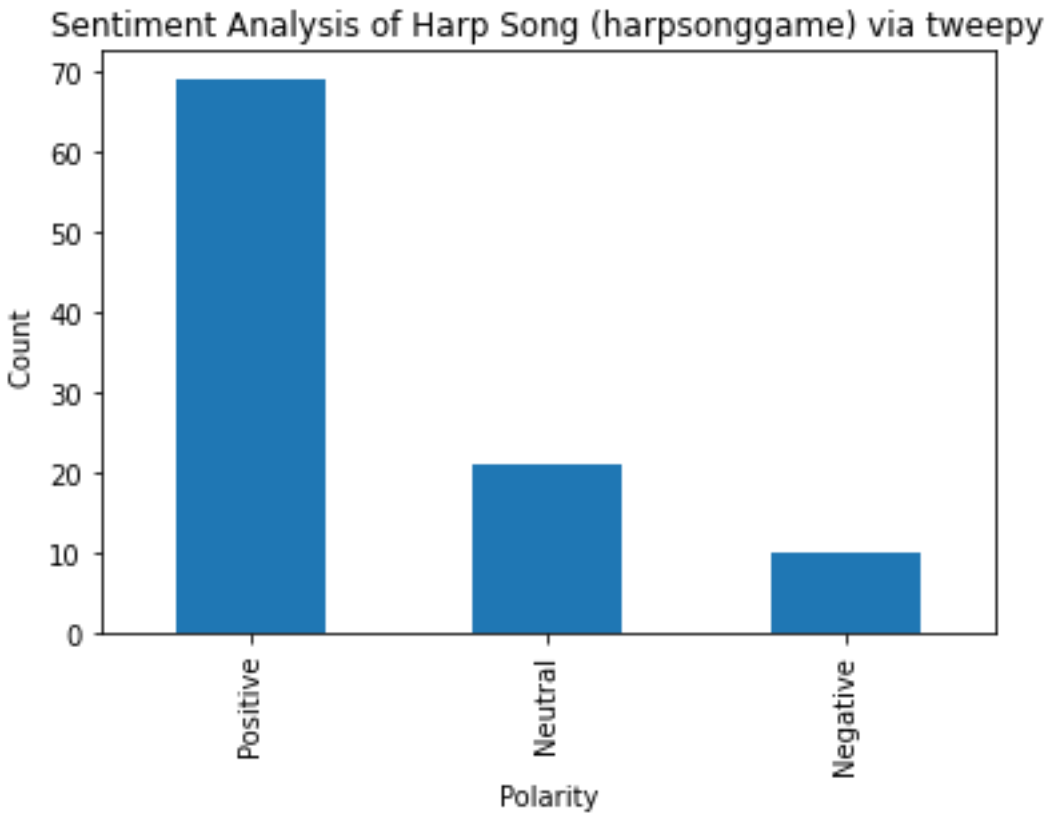
In [868]:

```
df['Analysis'].value_counts().plot(kind='pie')
plt.title("Sentiment Analysis of Harp Song (harpsonggame) via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [869]:

```
df['Analysis'].value_counts().plot(kind='bar')
plt.title("Sentiment Analysis of Harp Song (harpsonggame) via tweepy")
plt.xlabel('Polarity')
plt.ylabel('Count ')
plt.show()
```



In [870]:

```
# Lets get positive tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Positive'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : _Games We absolutely loved exploring your demo and hope we can continue the story of clàr in the future!

2) Was great to have 3BIT cover our _Games stand in the RezzedZone of this past weekend! Thank y ou for playing Harp Song 😀🍀

indiedev gamedev gaming indiegamedev videogames pcgaming madewithunity EGX2021

3) We want to say a massive thank you to everyone for a successful !! We had an absolute blast mee ting you all & can’t wait to see what the future holds with our game 🍀☺️

EGX egx2021 indiegame IndieGameDev indiedev

4) _Games: Last day to check out our excellent games. Come along to EGX2021

…

5) Thank youuu, so appreciated 🙏🙏

6) Thankful for our amazing players at every day 🥰🥰

7) For the many who've been curious, we are still giving out authentic Irish peat incense at our stand ! Take home a piece of ancient Ireland from the game… it smells heavenly!! ☘️🌀

…and no, they're not brownies 😂🤭

EGX2021 indiegames

8) The gates are now OPEN for Day 3 of !!

We are right by the entrance, in the RezzedZone if you need to find us 🙏🙏

P.S. happy WorldSmileDay! We're smiling to see you all 😊😊

9) : At the RezzedZone, checking out the , _Games students showcase their games

Amazing stuff guys. https…

10) Thank you so much!! It's been the best experience at so far, thanks to all our players 💗💗

EGX2021 indiegames IndieGameDev games

11) : Loving the games at the _Games stalls!

12) : _Glenister _Games Absolutely. Loved the story/mythology and looking…

13) So proud to be part of this amazing group of games!! Tomorrow will be a big day for everyone 😊

EGX2021 indiegames

14) Thanks !! We're so excited to be here! 😊😊

15) First play of the day!! Day 2, here we come 😁

Come play in the RezzedZone, just by the main entrance! Make sure to tag us when you head over… we'd love to see you all! 🎉🙏

indiedev gamedev gaming indiegamedev videogames pcgaming madewithunity

16) Thank you, thank you, thank you for a great day 1 at everyone!! So much amazing feedback & it was absolutely lovely to meet so many of you at the stand!

indiedev gamedev gaming indiegamedev videogames pcgaming madewithunity

17) We are absolutely thriving here at !! Make sure to come stop by our stand & explore a bit of ancient Ireland with us 🍀🍀

egx2021 indiedev gamedev gaming indiegamedev videogames pcgaming madewithunity

18) It's officially time!!! 🎉🎉🙌

We're in the RezzedZone all weekend at stand RZ19. Come say hi to our team and check out our FREE MERCH!! 😁😁

indiedev gamedev gaming indiegamedev videogames pcgaming madewithunity

19) : Best of luck to all the _Games students presenting their hard work at EGX2021 from tomorrow.

…

20) Shoutout to Twitter's 4 photo limit 😅😅

There's MORE 😍

21) We're so excited to be at stand RZ19 in the RezzedZone at all weekend!

Stop by, give our demo a play, & say hi to our amazing team available for chats throughout the 4 days 😊

indiedev gamedev gaming indiegamedev videogames pcgaming madewithunity

22) Some amazing Irish talent on our team!! 🙌😍

indiedev gamedev gamer IndieGameDev pcgaming voiceacting indiemusic

23) Our merch has arrived & is getting prepped for the stand at !! Make sure to stop by so you can see EXACTLY what…dirty…something is going into those gift bags 😉😉

Any guesses?? Hehehe

indiedev gamedev gaming indiegamedev videogames pcgaming madewithunity egx2021

24) Amazing group of grad games we're a part of! Couldn't be prouder… and don't forget to check our games (& all other indiedevs) out before we head to !! 😍

indiedev gamedev IndieGameDev EGX2021

25) "And at last the day of the great battle came, and the Fomor came out of their camp and stood i n strong ranks… to attack the army of the Fomor that day was to strike the head against a rock, or to go up fighting against a fire."💪☘️

mythmonday indiedev gamedev IndieGameDev

26) Happy first day of fall indiedevs!! 🍂🍁

Here's a fun lil screenshot to celebrate… although fall in Ireland has just a weeee bit more rain 😁

Anyone have any plans for the rest of the week?

indiedev gamedev gaming indiegamedev videogames pcgaming madewithunity

27) Archaeologists have found people arrived in Éire around 7000BC, although many Irish believed th e 1st settlers were grandchildren of Noah who were denied a spot on his Ark & later perished in the Flood.

Happy mythmonday!

indiedev gamedev indiegamedev pcgaming madewithunity

28) We finally fixed this, we swear...😁No Supergirl appearances at .

...knock on wood.

indiedev gamedev indiegamedev pcgaming madewithunity egx videogames gamebreaks

29) Thanks for hosting, it's appreciated! Check us out 👇👇

30) It's that mythmonday time of week again 🎊🎉

The Fomorians - a monstrous race of ancient Irish gods - enslaved many tribes before the great Tuat ha Dé Danann defeated them at Cath Maige Tuired ☘️

indiedev gamedev gaming indiegamedev videogames pcgaming madewithunity

31) _rev Thanks for hosting!

32) Thank you so much! Shoutout to 😊😊

33) So satisfying 😱

34) Thank you! Happy Saturday 😁

35) Thanks so much! Nice progress, I bet it feels great 😁

36) Thank you so much! Loving those colours 🙌

37) Thank you! Yours is looking amazing 😁

38) It's screenshotsaturday folks… Here's a quick look at our demo, which will debut in a month at !! 🙌🎉

Don't forget to ♡, RT, & share your own projects below for everyone to see!

indiedev gamedev indie gaming indiegamedev videogames pcgaming madewithunity

39) We have now (gasp) reached 200 followers!! 🎉🎉

Perfect timing to say a BIG thank you on followfriday!! We really appreciate the support and wish yo u all the best in your own projects too💗💗

indiedev gamedev indie gaming indiegamedev videogames pcgaming madewithunity

40) We are officially ONE month out to our demo release at !!😱

To celebrate a bit, we're excited to reveal our official poster! 🎉🎉🙌

We'd love to know what you think! 😁

indiedev gamedev indie gaming indiegamedev videogames pcgaming madewithunity

41) Thanks for hosting! Check out our adventure into a world of ancient Irish gods & mythos 🌀🌀

42) Look closely and things are not quuiite as they seem… Let us know when you see it 😜

Have a great wishlistwednesday indie devs!! 🎉🎉

indiedev gamedev indie gaming indiegamedev videogames pcgaming madewithunity

43) _rev Thanks for hosting 🙌

44) Thanks for the space!

45) To celebrate screenshotsaturday, here's a brand new look at our beach! 🎉 After months of wor k, she's finally ready for show & tell 😁

if you'd jump off that dock for a swim! 😂🙌

indiedev gamedev indie gaming indiegamedev videogames pcgaming madewithunity

46) _lynch_: The more I stare at her these days, the more I see myself…

…I think it's time for a break 😅

indiedev wishlistwednes…

47) Look how far our leading lady has come! Probably the fastest we've ever seen hair grow… 😂

What have you indiedevs been up to? Let us all know!! 🙌🙌

wip gamedev indie gaming indiedev indiegamedev videogames pcgaming madewithunity

48) Thank you so much 😁

49) Happy mythmonday!!

Cethlenn of the Crooked Teeth was the wife of Balor, king of the Fomorians. She was a prophetess & amp; warrior, mortally injuring the great Dagda in battle with a javelin 🌀🌀

indiedev gamedev indie gaming indiegamedev videogames pcgaming madewithunity

50) This looks so fun 😁😁

51) It was our pleasure 😊 Game looks great btw!

52) This is looking great! 👏

53) This looks amazing! 😁

54) Congrats on your first progress! 🎉

55) Ooh the colours are so nice! 🙌

56) This is looking good! 😁

57) Love how fast it runs 😁

58) Stunning art! 😁

59) _dev Nice update, looking good!

60) Looks great, love the animations!

61) Honestly the best way to get millennials hooked 👏👏

62) Love how smooth it flies! Great job 😁

63) I’m eating turnips right now… 😱

64) Nice character design! She looks great 😊

65) It looks great, good job! 🙌

66) Love the baseball cap detail 😂

67) _Santi Great art style here!!

68) _games Amazing, can’t let that monstera die on us 😂🙌

69) It’s coming together great, keep it up!! 😁

In [871]:

```
# Lets get negative tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Negative'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) : Some screenshots from the grad project i've been working on for the past 8 months for my Mast ers at the …

2) We’ve spent the whoooole day getting ready for our first play at … lots of sticker-cutting, bag-stuf fing, & sneezing from dusty straw 😂😂

3) _rev We’ve spent the whoooole day getting ready for our first play at … lots of sticker-cutting, ba g-stuffing, & sneezing from dusty straw 😂😂

4) : Holy shit well done guys

5) Catch our developers & _Glenister in issue 33 of ! 🙌🥳

Learn a bit more about their process for developing the storyline, code, & art behind our game! 😁😁

Full issue:

indiedev gamedev indiegamedev pcgaming madewithunity

6) : It's just a week until _Games 2nd year students showcase the games they have been developing f or the past 9 months at…

7) Thanks for the support! We’re a game mixing Irish mythology with indiedev on PC… check us out!

8) : don't you wish you could grow hair back this fast after a bad haircut?

9) _rev Thanks for the space 🙌

We're a indie game headed to Rezzed in a month. Mixing Irish mythology with PC gaming 😁

10) Sick compilation! It's looking great 😁

In [872]:

```
# Lets get neutral tweets only
i=1
sortedDF = df.sort_values(by=['Polarity'],ascending=False)
for j in range(0,sortedDF.shape[0]):
   if (sortedDF['Analysis'][j]=='Neutral'):
      print(str(i)+ ') ' + sortedDF['Tweets'][j])
      print()
      i=i+1
```

1) 👏👏👏👏

2) : Thank you to everyone who helped make a reality and thank you _lynch_ for making our booth at EGX2021 a…

3) :
rezzedzone
IndieGameDev

4) Catch a glimpse of our BOPPIN' stand 24 seconds in!! So thankful for all our indiegames players (a nd of course!) 🍀💚

5) : A reminder to check out in the RezzedZone at this weekend if you want to hear my voice acting debut as…

6) _lynch_: Ayyyyyyyy check those hoodies baby

EGX2021 indiegames

7) _Games: This week we're coming to with our student games! Please do come by our stand and t ry them all:
…

8) : Hey thats me

9) Officially 1 week out to the start of !! 🎉🥳 Have a cinematic teaser to celebrate… 😁

Don’t forget to stop by the RezzedZone & check out your fellow indies!! We’ll be there all week end 😊

indiedev gamedev gaming indiegamedev videogames pcgaming madewithunity

10) Hehe join the club 😂 Thank you!!

11) Thank you thank you thank you!! 😊😊 We’re mixing Irish mythology with indie gaming, let us know what you think!

12) Thank you!

13) Níl ann anseo ach an tús. Cà fhaide eile a bhfulaingeoidh Éire?

But there is hope. Not from a race of gods. But from a race which has suffered at the hands of them. The race of man.

…How’s our script?🤪

indiedev gamedev indiegamedev wishlistwednesday madewithunity

14) _rev Thank youu! Appreciate it.

15)

16) …always 😂

17) _lynch_: Shoutout to for all this backbreaking, eye-watering, headsplitting work… with ME!! I ha ve that effect on people…

18) _rev Thanks for the space _rev 🎉 We’re a indiedev game headed to in a month’s time, bringing ancient Irish mythology straight to London 😁😁

19) Thank you! 😁

20) _Games_ Beach shots just in time for the UK heatwave 🥵

21) The coffee mug there is making my day 😂🙌