



e-ISSN:2582-7219



# INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH IN SCIENCE, ENGINEERING AND TECHNOLOGY

Volume 7, Issue 6, June 2024



INTERNATIONAL  
STANDARD  
SERIAL  
NUMBER  
INDIA

Impact Factor: 7.521



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# A Study on How Official TV News Affect Public Inflation Expectation

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**ABSTRACT:** This paper explores the significant impact of inflation expectations on economic decisions among households and firms, emphasizing the influence of information dissemination channels such as television (TV) news. Recent studies indicate that changes in inflation expectations, prompted by updates on inflation rates conveyed through simple information channels, overshadow the effects of current policy adjustments on nominal interest rates and subsequent economic behaviors. Despite the evolution of multimedia news delivery, TV remains a dominant source of economic information dissemination. Understanding its role in shaping inflation expectations is crucial, as effective communication through TV broadcasts can swiftly influence public perceptions, even in the absence of immediate policy changes. This paper suggests that leveraging TV as a medium for clear and timely communication of inflation-related information could aid policymakers in managing and stabilizing inflation expectations, thereby enhancing the credibility and efficacy of central bank strategies.

## I. INTRODUCTION

A burgeoning literature strongly supports the idea that inflation expectations have a economically significant effect on the economic decisions of both households and firms. The changes in inflation expectations induced by simple information about recent inflation rates dwarf the estimated effects of current policies on nominal interest rates and thus economic decisions.

For example, clear communication about recent inflation rates or the central bank's target can help reduce inflation expectations even in the absence of any immediate policy change. Among various channels of news communication, television reports are widely recognized by the public for spreading news.

TV was the top-ranked source of information on economics or economic policy in 2003. Nowadays, TV news integrates multimedia channels and is becoming the most popular publisher in news sources, yet its role in television coverage has yet to be explored in managing agents' inflation expectations.

Given that it may take some time for all agents in the economy to access news of changed macroeconomic circumstances, causality running from news reports to the economy's TV news to inflation expectations indicates the scope for a direct communication strategy for policymakers to manage inflation expectations, which improves the credibility of central banks.

## II. REVIEW OF LITERATURE

### D.I. PETIN – (FEB-2024)

The article, which analyzes materials from the case of "Artamonov's organization," presents a comprehensive social portrait of Omsk region residents who faced extensive political repression during the Great Terror due to their affiliation with the command staff of the White Army during the Civil War. The study utilizes an amalgamation of anthropological, prosopographical, comparative-historical, historical-genetic, and statistical methods as its theoretical framework. Its aim is to examine the typical social characteristics of former officers who fell victim to mass political repression in the context of the historical circumstances of the Omsk region. The conclusion evaluates the informational value of historical sources and outlines potential future avenues for exploring the topic of political mass repressions against former White Guards.

### SUNYIZHI (FEB -2024)

The article delves into the source study of "The Shanghai Life," exploring its dissemination beyond China and its



current status in collections. Given its absence from Shanghai archives and libraries, information regarding its collection in archives, libraries, and museums abroad holds significance for Chinese and Russian researchers alike. Over the course of several years, the author of this article has diligently sought to compile the most comprehensive collection of "The Shanghai Life" issues, aiming to reconstruct a detailed history of its dissemination outside China and to assess its current status in various libraries, archives, and museums worldwide.

#### **JOURNAL REFERENCES**

**D.I.petin**–(feb-2024)/Acollectiveportraitoftheex–

WhiteGuardsrepressedinOmskinthecaseofthe«Artamonov`sorganization»in1937/volume9,issue1/  
[http://vestnik.omgtu.ru/index.php?option=com\\_content&view=article&id=468&Itemid=132](http://vestnik.omgtu.ru/index.php?option=com_content&view=article&id=468&Itemid=132)

**SUNYIZHI**(FEB-2024)TheShanghaiLife»:aSource-StudyReview/volume9,issues1/

[http://vestnik.omgtu.ru/index.php?option=com\\_content&view=article&id=468&Itemid=132](http://vestnik.omgtu.ru/index.php?option=com_content&view=article&id=468&Itemid=132)

**Yulian melkumyan, karine harutyuyan** (dec-2023)/Euronews as a Tool for the Formation of Europe's Image/volume 17,issue3(6)/dec2023/<https://journals.yasu.am/index.php/j-polsc>

#### **DOCAOPHUC**

(MAR-2024)/URBANMIGRATIONANDITSIMPACTONLABORWORKERSINHOCHIMINHCHITY/VOLUME53,ISSUES1B/<https://vujs.vn/>

**LA THUY HUONG** (MAR 2024)/ SOME ISSUES OF RESOURCE EXPLOITATION FORTOURISMDEVELOPMENTINLONGANPROVINCE/VOLUME53,ISSUE1/<https://vujs.vn/>

### **III. OBJECTIVES**

Official TV news can significantly influence public inflation expectations for several reasons:

1. **Credibility:** TV news is often perceived as a credible source of information by the general public. When news anchors or economists discuss inflation trends, viewers may trust the information and adjust their expectations accordingly.
2. **Accessibility:** TV news reaches a wide audience, including individuals who may not actively seek out economic information. This accessibility means that the messages conveyed about inflation can have a broad impact on public sentiment and expectations.
3. **Repetition and Emphasis:** TV news often repeats key points and emphasizes certain aspects of news stories. If inflation is portrayed as a significant concern or if there are repeated reports of price increases, viewers may start to believe that inflation is a more pressing issue than they previously thought, influencing their expectations.
4. **Expert Analysis:** TV news programs often feature interviews with economists, financial analysts, and policymakers who provide analysis and predictions about inflation. Viewers may give weight to these expert opinions, leading them to adjust their own expectations based on the analysis presented.
5. **Emotional Impact:** TV news can evoke emotional responses from viewers, especially when discussing topics like inflation, which directly impact individuals' purchasing power and financial stability. Emotional reactions can further shape public perceptions and expectations of inflation.

### **IV. RESEARCH METHODOGY**

#### **RESEARCH GAP**

Despite the extensive research on media influence, a notable research gap exists concerning the impact of official TV news on public inflation expectations. While studies have explored how various media platforms shape economic perceptions, the specific influence of official TV news on inflation expectations remains underexplored. Official TV news often disseminates information from government sources and central banks, potentially influencing public perceptions of inflation through the framing of economic data and policy announcements. Understanding this influence is crucial given the significant role that inflation expectations play in economic decision-making, including consumer spending, saving, and investment behavior. Furthermore, as official TV news is a primary source of information for many individuals, particularly in regions with limited media diversity, its role in shaping inflation expectations warrants closer examination. Addressing this research gap can provide insights into the effectiveness of communication strategies by policymakers and central banks in managing inflation expectations and fostering economic stability.





**NEED FOR THE STUDY** Understanding the impact of official TV news on public inflation expectations is crucial for several reasons. Firstly, inflation expectations play a significant role in shaping economic behaviors such as spending, saving, and investing, thus influencing overall economic stability. By studying how official TV news influences these expectations, policymakers can better anticipate and manage economic trends. Additionally, inaccurate or exaggerated reporting of inflation data by official TV news sources can lead to misinformation and panic among the public, potentially exacerbating inflationary pressures.

**PURPOSE OF THE STUDY** The purpose of this study is to investigate the impact of official TV news on public inflation expectations. By analyzing the content and framing of news broadcasts, alongside surveys measuring public perceptions of inflation, the study aims to discern whether and how televised information influences individuals' expectations regarding future inflation rates. Understanding this relationship is crucial for policymakers, as public inflation expectations can influence economic behaviors such as spending and saving, thereby affecting overall economic stability. Additionally, insights from this study can inform communication strategies for central banks and government agencies aiming to manage inflation expectations effectively.

### **OBJECTIVE OF THE STUDY**

1. Analyze the impact of official TV news coverage on shaping public perceptions of inflation expectations.
2. To understand the role of TV news among public.

### **RESEARCH DESIGN**

This research aims to examine the impact of official TV news on public inflation expectations. Using a mixed-methods approach, both quantitative analysis of viewer responses and qualitative examination of news content will be conducted. A sample population will be selected, and their exposure to official TV news will be measured. Surveys and interviews will gauge participants' inflation expectations before and after exposure. Statistical analysis will determine correlations between news content and expectation shifts. The findings will shed light on the influence of official TV news on shaping public perceptions of inflation.

### **RESEARCH TYPE:**

Descriptive in Nature Sampling Technique: Descriptive research examines how official TV news influences public inflation expectations. Using a purposive sampling technique, viewers are chosen based on their regular consumption of televised news. By analyzing their perceptions before and after exposure to news segments on inflation, researchers gauge the impact on their expectations. Findings may reveal correlations between news content, public sentiment, and economic outlook, shedding light on the media's role in shaping inflation expectations.

### **DATA COLLECTION METHOD**

To analyze how official TV news affects public inflation expectations, a structured data collection method is essential. This method involves systematically recording quantitative data on public perceptions of inflation before and after exposure to official TV news broadcasts. Utilizing surveys or polls, researchers can gather information on individuals' inflation expectations, capturing changes in sentiment post-viewing. Additionally, monitoring online discussions and social media trends can provide qualitative insights into how TV news influences public discourse on inflation. By combining quantitative surveys with qualitative analysis, a comprehensive understanding of the impact of official TV news on public inflation expectations can be achieved.

**POPULATION:**100

**SAMPLE SIZE:** 100

**SAMPLE UNIT:** Jubilee Hills

**TOOLS USED:** Percentages, Bar graphs

**QUESTIONNAIRE:**Official TV news influences public inflation expectations through reporting economic data, policy changes, and expert analysis, shaping perception and behavior.

### **HYPOTHESIS**

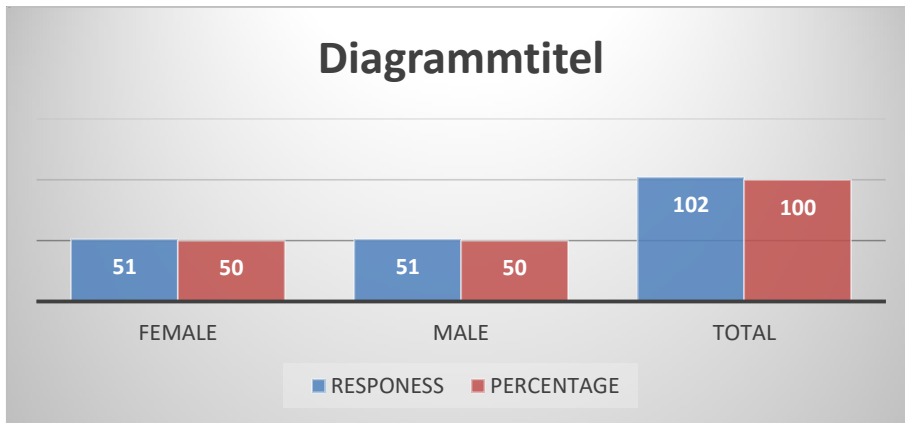
**H<sub>0</sub>:** there is no significant relationship between how official TV news affect public inflation expectations.

**H<sub>1</sub>:** There is a significant relationship between how official TV news affect public inflation expectations



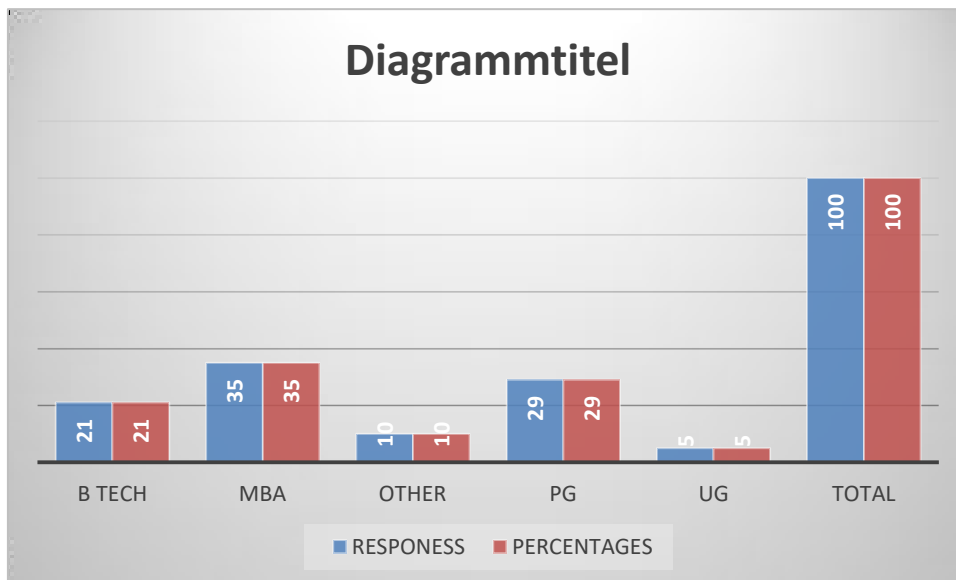
DATA ANALYSIS

GENDER	FEMALE	MALE	TOTAL
RESPONESS	50	50	100
PERCENTAGE	50	50	100



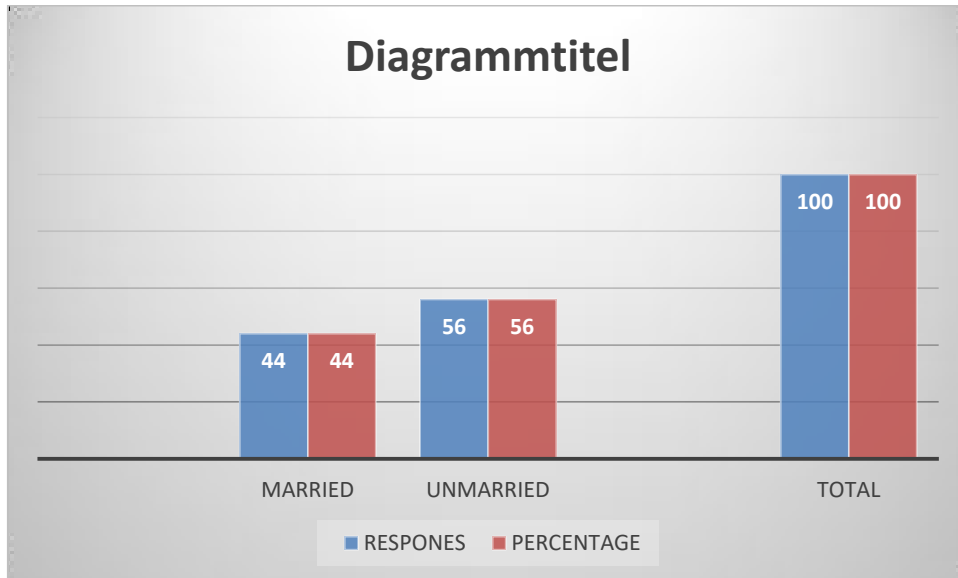
INTERPRETATION: The total responses are 100 out of which female are 100 out of which female are 50% and male are 50%.

QULIFICATION	B TECH	MBA	OTHER	PG	UG	TOTAL
RESPONESS	21	35	10	29	5	100
PERCENTAGES	21	35	10	29	5	100



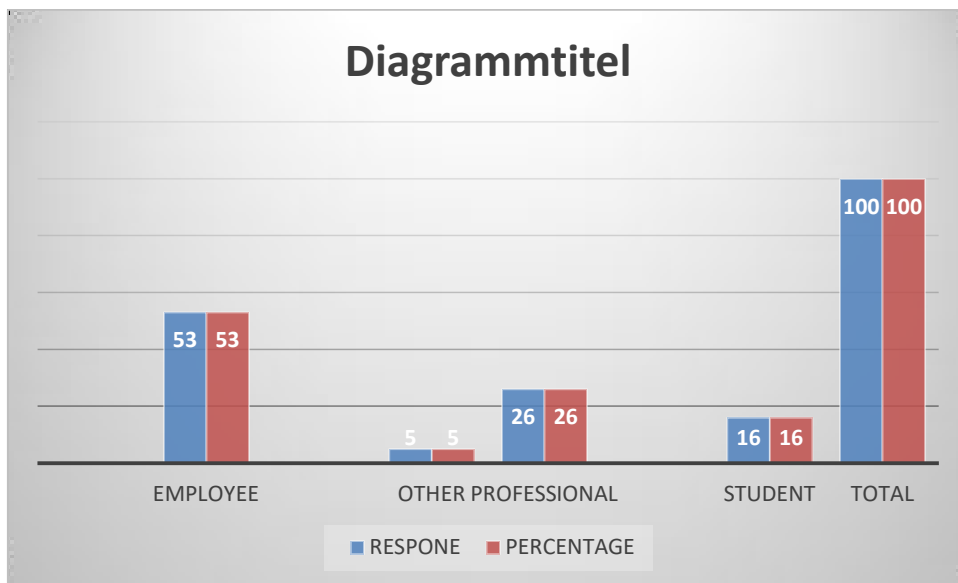
Interpretation: The total responses are from PG of 29%, as UG of 5%, BTECH of 21%, MBA OF 35%, of OTHER OF 10%

MARITAL STATUS	MARRIED	UNMARRIED	TOTAL
RESPONES	44	56	100
PERCENTAGE	44	56	100



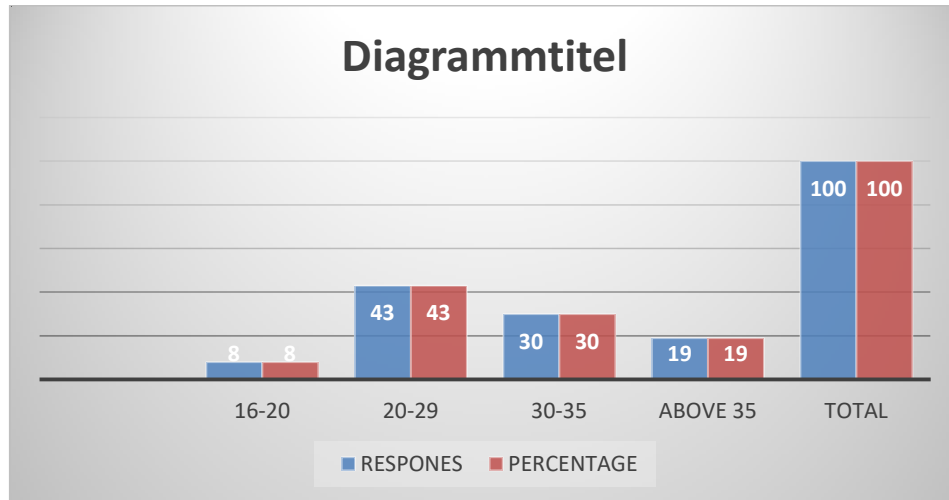
INTERPRETATION: It is observed that 44% of the respondents are married and remaining 56% are unmarried.

OCCUPATION	EMPLOYEE	OTHER	PROFESSIONAL	STUDENT	TOTAL
RESPONSE	53	5	26	16	100
PERCENTAGE	53	5	26	16	100



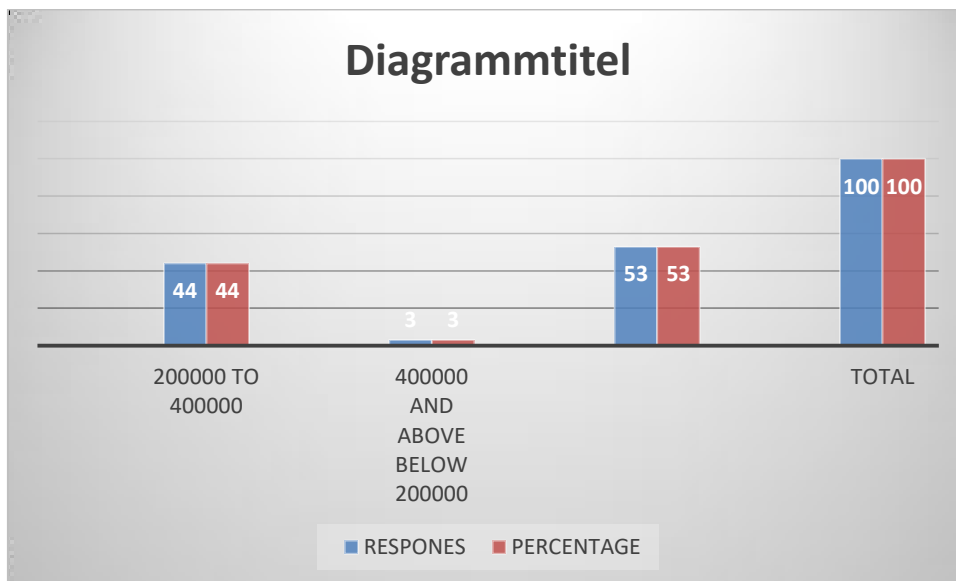
INTERPRETATION: Most of the responses are student which contribute with 16% and next follows with employee of 53%.

AGE	16-20	20-29	30-35	ABOVE 35	TOTAL
RESPONSES	8	43	30	19	100
PERCENTAGE	8	43	30	19	100



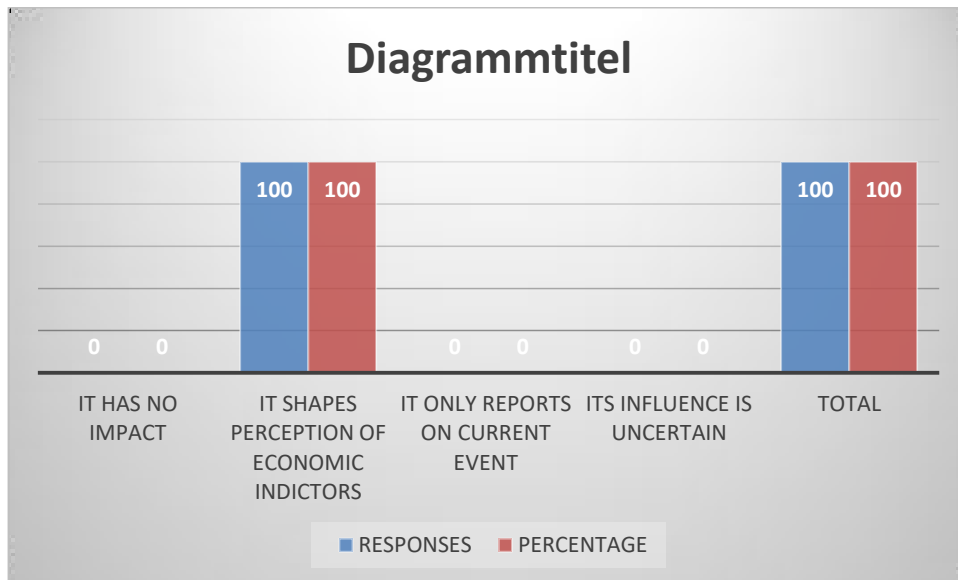
INTERPRETATION: Majority of the respondents followed in range between 20-29 with 43%.

ANNUAL INCOME	200000 TO 400000	400000 AND ABOVE BELOW 200000	TOTAL
RESPONSES	44	3	53
PERCENTAGE	44	3	53



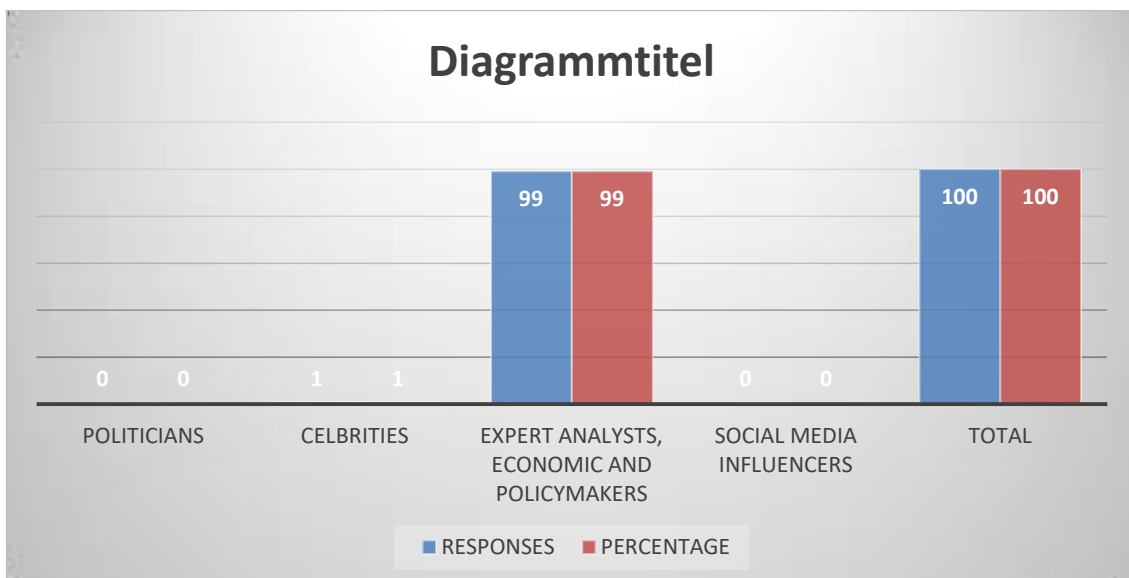
INTERPRETATION: Most of the responses are 400000 and below 200000 with 53% of annual income.

1.HOW DOES TV NEWS INFLUENCE PUBLIC PERCEPTION OF THE ECONOMY?	IT HAS NO IMPACT	IT SHAPES PERCEPTION OF ECONOMIC INDICATORS	IT ONLY REPORTS ON CURRENT EVENT	ITS INFLUENCE IS UNCERTAIN	TOTAL
RESPONSES	0	100	0	0	100
PERCENTAGE	0	100	0	0	100



INTERPRETATION: Most of the responses are it has no impact with 100% of tv news inflation public perception of the economy.

2.WHO OFTEN PROVIDES ECONOMIC ANALYSIS ON TV NEWS PROGRAMS?	POLITICIANS	CELBTRITIES	EXPERT ANALYSTS, ECONOMIC AND POLICYMAKERS	SOCIAL MEDIA INFLUENCERS	TOTAL
RESPONSES	0	1	99	0	100
PERCENTAGE	0	1	99	0	100

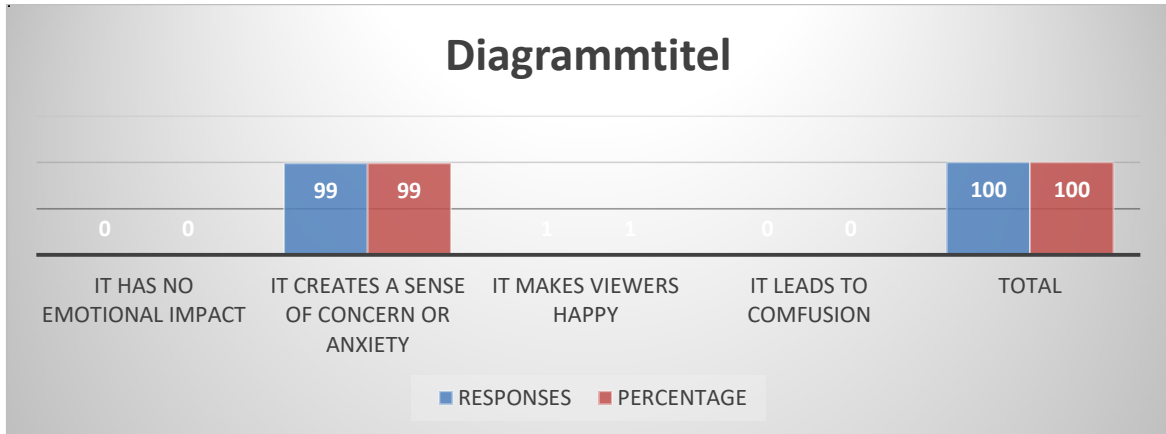


INTERPRETATION: Most of the people are expert analysts economic and policymakers often provides economic analysis on TV news programs with 99%.



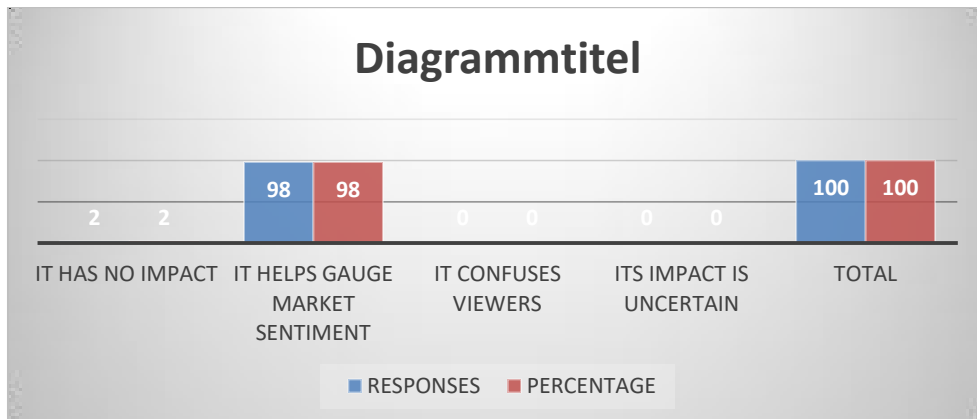


3.HOW CAN MEDIA COVERAGE OF INFLATUON RESPONSES	IT HAS NO EMOTIONAL IMPACT	IT CREATES A SENSE OF CONCERN OR ANXIETY	IT MAKES VIEWERS HAPPY	IT LEADS TO COMFUSION	TOTAL
0	99	1	0	100	
PERCENTAGE	0	99	1	0	100



INTERPRETATION: 99% respondents are media coverage of inflation impact viewers emotionally.

4.HOW DOES TV NEWS COVERAGE OF MARKET REACTION CONTRIBUTION TO PUBLIC PERCEPTION?	IT HAS NO IMPACT	IT HELPS GAUGE MARKET SENTIMENT	IT CONFUSES VIEWERS	ITS IMPACT IS UNCERTAIN	TOTAL
RESPONSES	2	98	0	0	100
PERCENTAGE	2	98	0	0	100

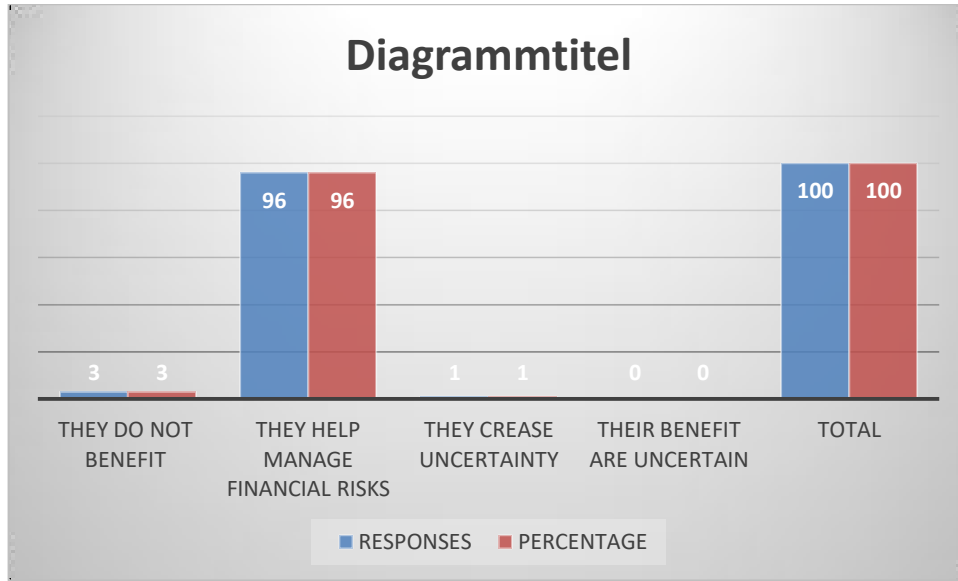


INTERPRETATION: Most of the respondents follows through it helps gauge market sentiment with 98% for TV news coverage of market reaction contribution to public perception.

5.HOW DO ACCURATE INFLATION	THEY DO NOT BENEFIT	THEY HELP MANAGE FINANCIAL	THEY CREASE UNCERTAINTY	THEIR BENEFIT ARE UNCERTAIN	TOTAL

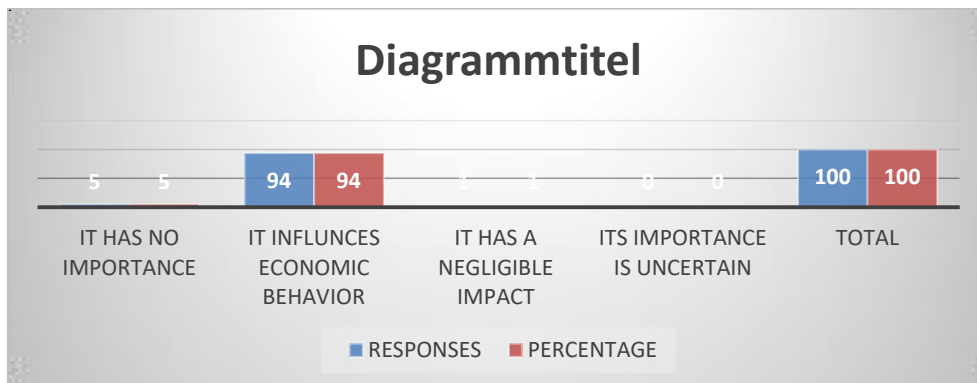


EXPECTATION BENEFIT INDIVIDUAL AND BUSINESSES?		RISKS			
RESPONSES	3	96	1	0	100
PERCENTAGE	3	96	1	0	100



INTERPRETATION: 96% respondents are inflation expectation benefit individual and businesses.

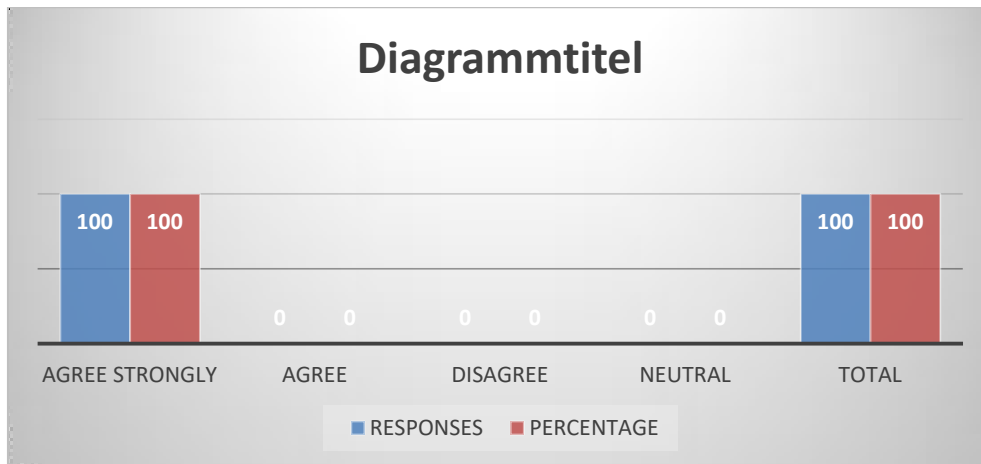
6.WHY IS PUBLIC AWARENESS OF GOVERNMENT POLICIES RELATED TO INFLATION IMPORTANT?	IT HAS NO IMPORTANCE	IT INFLUNCES ECONOMIC BEHAVIOR	IT HAS A NEGLIGIBLE IMPACT	ITS IMPORTANCE IS UNCERTAIN	TOTAL
RESPONSES	5	94	1	0	100
PERCENTAGE	5	94	1	0	100





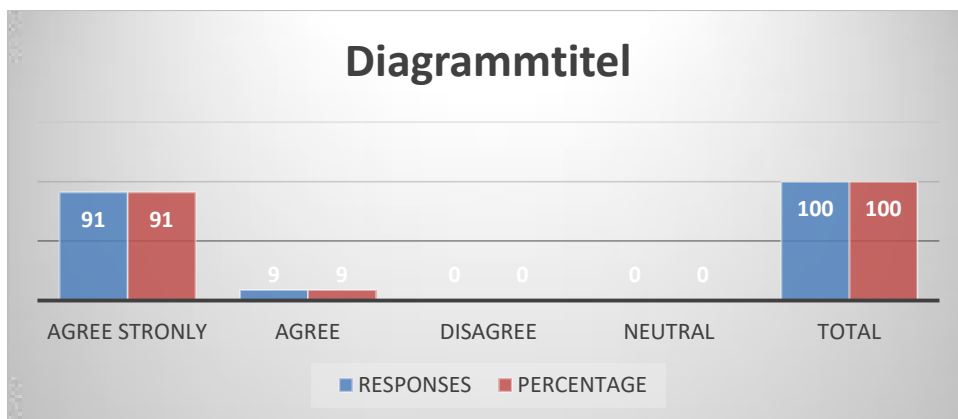
INTERPRETATION: The respondents feel that it influences economic behavior or it has no importance is public awareness of policies related to inflation important.

7.LIMITED COVERAGE?	AGREE STRONGLY	AGREE	DISAGREE	NEUTRAL	TOTAL
RESPONSES	100	0	0	0	100
PERCENTAGE	100	0	0	0	100



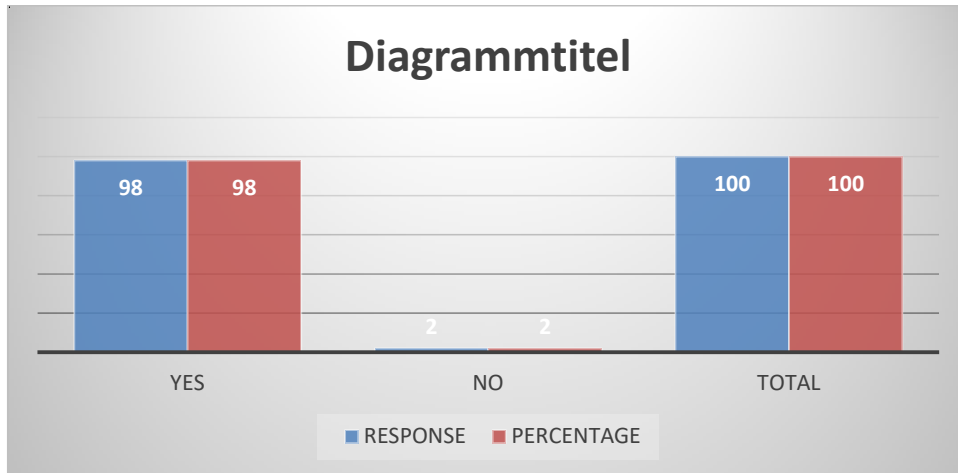
INTERPRETATION: It is observed that most of the respondent 100% limited coverage.

8.BIAS AND INTERPRETATION?	AGREE STRONGLY	AGREE	DISAGREE	NEUTRAL	TOTAL
RESPONSES	91	9	0	0	100
PERCENTAGE	91	9	0	0	100



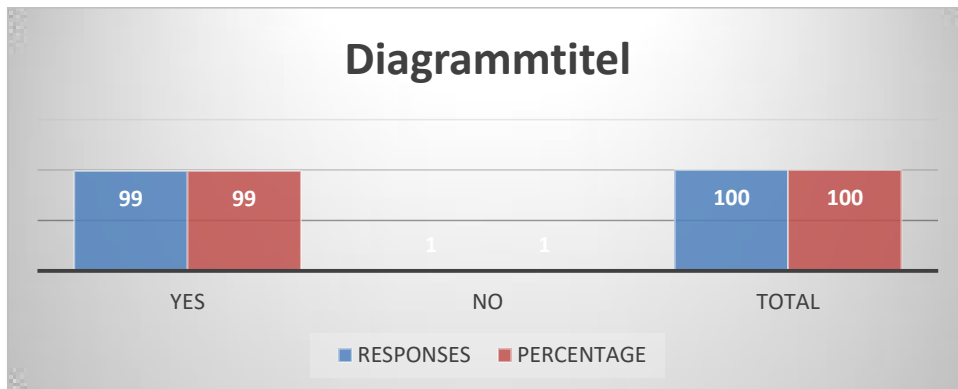
INTERPRETATION: Most of the responses are agree strongly with 91% of bias and interpretation.

9.DO TV NEWS PROGRAMS ALWAYS PROVIDE IN-DEPTH ANALYSIS OF ECONOMIC DATA?	YES	NO	TOTAL
RESPONSE	98	2	100
PERCENTAGE	98	2	100



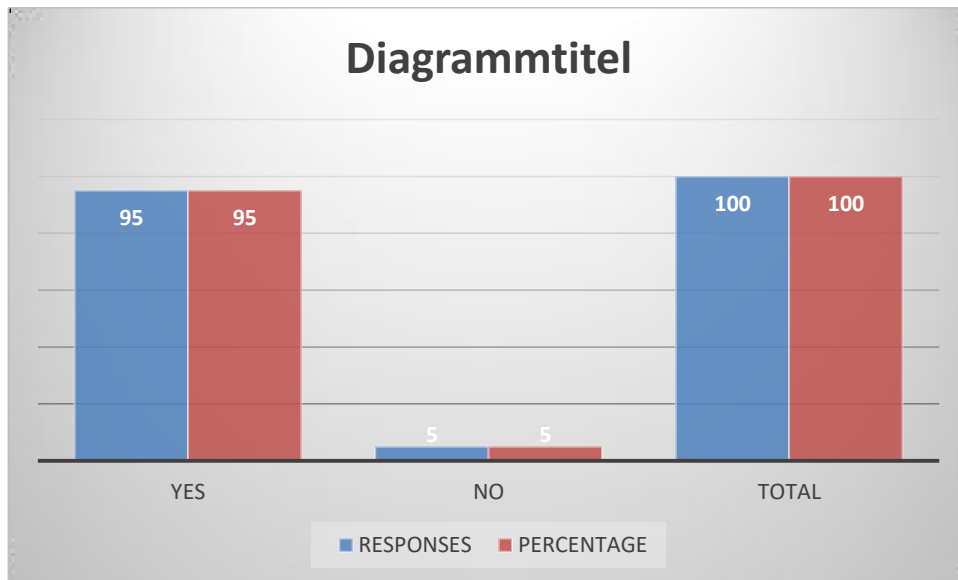
INTERPRETATION: Most of the responses are yes with 98% of tv news programs always provide in-depth analysis of economic data.

10.CAN BIASES IN TV NEWS REPORTING IMPACT PUBLIC UNDERSTANDING OF INFLATION TREND?	YES	NO	TOTAL
RESPONSES	99	1	100
PERCENTAGE	99	1	100



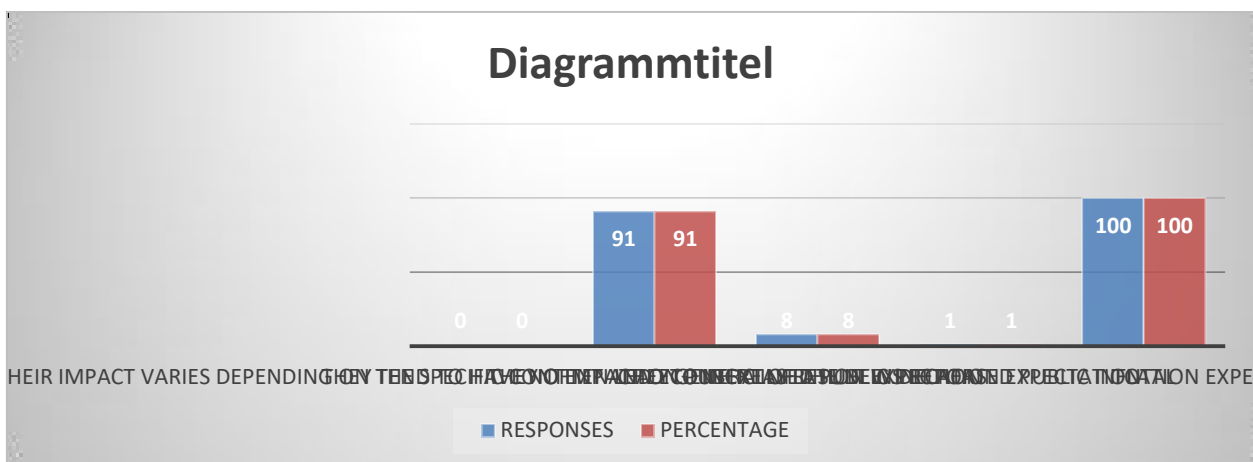
INTERPRETATION: Most of the respondents follow through yes are 99% tv news reporting impact public understanding of inflation trend.

11. DOES OFFICIAL TV NEWS COVERAGE OF CENTRAL BANK DECISION ON INTEREST RATES INFLUENCE PUBLIC INFLATION EXPECTATION?	YES	NO	TOTAL
RESPONSES	95	5	100
PERCENTAGE	95	5	100



INTERPRETATION: It is observed that most of the respondent 95% tv news coverage of central bank decision on interest rates influence public inflation expectation.

12.HOW DO OFFICIAL TV NEWS REPORTS TYPICALLY AFFECT PUBLIC INFLATION EXPECTATION REGARDING OIL PRICES?	DO THEIR IMPACT VARIES DEPENDING ON THE SPECIFIC CONTENT AND ECONTEXT OF THE NEWS REPORT	THEY TEND TO HAVE NO IMPACT ON PUBLIC INFLATION EXPECTATION	THEY OFTEN LEAD TO INCREASED PUBLIC INFLATION EXPECTATION	THEY GENERALLY RESULT IN DECREASED PUBLIC INFLATION EXPECTATION	TOTAL
RESPONSES	0	91	8	1	100
PERCENTAGE	0	91	8	1	100

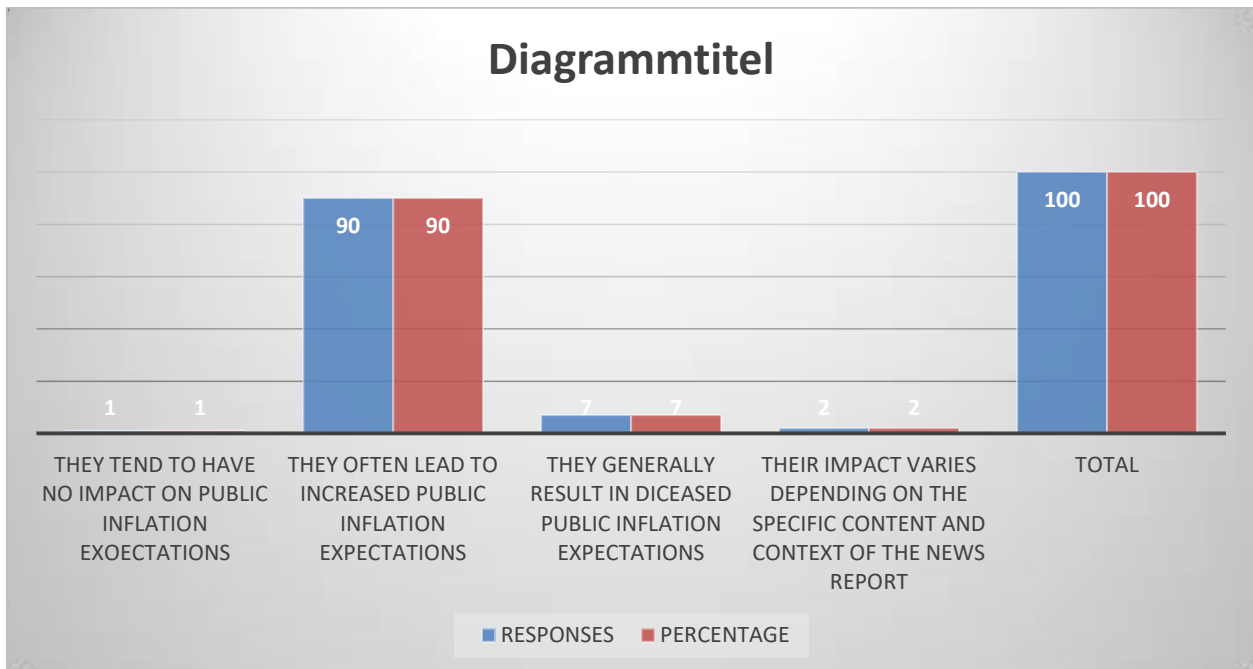


INTERPRETATION: The respondent felt that they often lead to increased public inflation expectation to official tv news reporting typically affect public inflation expectations regarding oil prices.



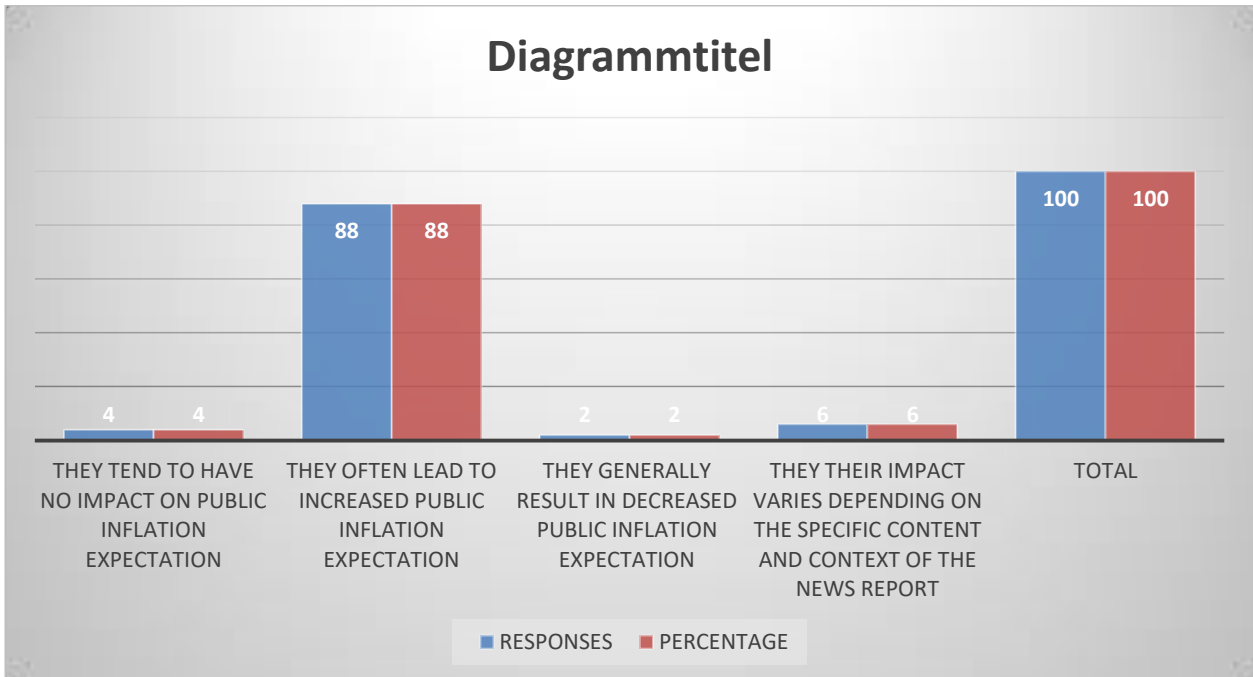


3.HOW DO OFFICIAL NEWS REPORTS TYPICALLY AFFECT PUBLIC INFLATION EXPECTATIONS REGARDING FOOD PRICES?	DO TV	THEY TEND TO HAVE NO IMPACT ON PUBLIC INFLATION EXOECTIONS	THEY OFTEN LEAD TO INCREASED PUBLIC INFLATION EXPECTATIONS	THEY GENERALLY RESULT IN DICEASED PUBLIC INFLATION EXPECTATIONS	THEIR IMPACT VARIES DEPENDING ON THE SPECIFIC CONTENT AND CONTEXT OF THE NEWS REPORT	TOTAL
RESPONSES	1	1	90	7	2	100
PERCENTAGE	1	1	90	7	2	100



INTERPRETATION: Most of the respondents follow through they often lead to increased public inflation expectation with 90% for official tv news reports typically affect public inflation expectations regarding food price.

14.HOW DO OFFICIAL NEWS REPORTS TYPICALLY AFFECT PUBLIC INFLATION EXPECTATIONS REGARDING STOCK PRICES?	DO TV	THEY TEND TO HAVE NO IMPACT ON PUBLIC INFLATION EXPECTATION	THEY OFTEN LEAD TO INCREASED PUBLIC INFLATION EXPECTATION	THEY GENERALLY RESULT IN DECREASED PUBLIC INFLATION EXPECTATION	THEY THEIR IMPACT VARIES DEPENDING ON THE SPECIFIC CONTENT AND CONTEXT OF THE NEWS REPORT	TOTAL
RESPONSES	4	4	88	2	6	100
PERCENTAGE	4	4	88	2	6	100



INTERPRETATION: Most of the respondent follows through they often lead to increased public inflation expectation are 88% official tv news reports typically affect public inflation expectations stock prices.

**Ho:** there is no significant relationship between how official TV news affect public inflation expectations.

**H1:** There is a significant relationship between how official TV news affect public inflation expectations.

GENDER	YES	NO	TOTAL
FEMALE	85(83.60) [0.02]	3 (4.40) [0.45]	88
MALE	10 (11.40) [0.17]	2(0.60) [3.27]	12
ROWS TOTAL	95	5	100

The chi-square statistic is 3.9075. The p-value is .048071. The result is significant at  $p < .05$ .

Since p value is less than 0.05, H0 rejected and accepted H1. significant relationship between how official TV news affect public inflation expectations.

AGE	YES	NO	COLUMN TOTAL
16-20	30(29.45) [0.01]	1(1.55) [0.20]	31
20-29	35(35.15) [0.00]	2(1.85) [0.01]	37
30-35	22(21.85) [0.00]	1(1.15) [0.02]	23
ABOVE 35	8 (8.55) [0.04]	1(0.45) [0.67]	9
ROWS TOTAL	95	5	100

The chi-square statistic is 0.9464. The p-value is .814211. The result is not significant at  $p < .05$ .

### V. FINDINGS

Official TV news can significantly impact public inflation expectations due to its wide reach and authoritative presentation. When reputable news channels report on economic indicators such as inflation rates, their analysis and commentary can shape how the general public perceives the current and future state of the economy. The official TV news broadcasts often feature expert economists and analysts who provide interpretations of economic data. These experts' opinions carry weight and authority, influencing viewers' understanding of complex economic concepts like inflation. If these expert express concerns about rising inflation or predict future inflationary trends, it can lead viewers



to adjust their own expectations accordingly. The frequency and prominence of inflation-related news coverage can also influence public perception. If inflation becomes a recurring topic on TV news programs, viewers may perceive it as a significant issue deserving attention. This repeated exposure can reinforce or heighten existing inflation expectations among the public.

## VI. SUGGESTIONS

Official TV news holds significant sway over public inflation expectations due to its authoritative nature and broad audience reach. The manner in which inflation-related information is presented on these platforms can profoundly influence how the public perceives and anticipates inflationary trends. Firstly, the credibility and expertise of economists and financial analysts featured on TV news programs lend legitimacy to their interpretations of economic data, shaping viewers' understanding of inflation dynamics. When these experts express concerns about inflationary pressures or predict future trends, viewers are inclined to adjust their own expectations accordingly. Moreover, the frequency and prominence of inflation coverage on TV news can amplify its perceived significance among the public. If inflation becomes a recurring topic, viewers may internalize it as a pressing economic issue deserving attention and concern. Additionally, the tone and framing of inflation-related news reports can impact public sentiment. Sensationalized or alarmist reporting may fuel anxieties about inflation, leading individuals to expect higher inflation rates than warranted by objective economic indicators. Consequently, official TV news plays a pivotal role in molding public perceptions of inflation, influencing consumer behavior, financial decisions, and overall economic sentiment.

## VII. CONCLUSIONS

N TV Company, a prominent player in the broadcasting industry, has seen significant shifts in its operations and strategies over the past few years. After a period of intense competition and technological disruptions, several key conclusions can be drawn about the company's current status and future prospects.

Firstly, N TV Company has successfully adapted to the digital age by investing in online streaming platforms and expanding its digital presence. This move has helped the company reach a wider audience and remain relevant in an increasingly fragmented media landscape.

Secondly, N TV Company's commitment to quality content production has solidified its position as a leading provider of news, entertainment, and educational programming. By focusing on engaging storytelling and journalistic integrity, the company has fostered strong viewer loyalty and brand recognition.

Thirdly, N TV Company's financial performance reflects its strategic investments and operational efficiency. Despite facing challenges such as advertising revenue fluctuations and changing viewer preferences, the company has managed to maintain stable revenue streams and profitability.

Looking ahead, N TV Company must continue to innovate and evolve to stay ahead of the competition. This may involve further diversification of content offerings, exploring new revenue streams, and leveraging emerging technologies such as artificial intelligence and augmented reality.

In conclusion, N TV Company remains a resilient and forward-thinking player in the broadcasting industry. By staying true to its core values while embracing change, the company is well-positioned to thrive in an ever-evolving media landscape.

## REFERENCES

1. D.I.petin-(feb-2024)/Acollectiveportraitoftheex-WhiteGuardsrepressedinOmskinthecaseofthe«Artamonov`sorganization»in1937/volume9,issue1/  
[http://vestnik.omgtu.ru/index.php?option=com\\_content&view=article&id=468&Itemid=132](http://vestnik.omgtu.ru/index.php?option=com_content&view=article&id=468&Itemid=132)
2. SUNYIZHI(FEB-2024)TheShanghaiLife»:aSource-StudyReview/volume9,issues1/  
[http://vestnik.omgtu.ru/index.php?option=com\\_content&view=article&id=468&Itemid=132](http://vestnik.omgtu.ru/index.php?option=com_content&view=article&id=468&Itemid=132)
3. DOCAOPHUC(MAR2024)/URBANMIGRATIONANDITSIMPACTONLABORWORKERSINHOCHIMINH/CITY/  
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