**SRI DHARMASTHALA MANJUNATHESHWARA COLLEGE, (AUTONOMOUS) UJIRE- 574240(D.K)**

(Re-Accreditedby NAAC at ‘A’ Grade with CGPA 3 .61 out of 4 by NAAC)

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**A STUDENT RESEARCH PROJECT ON**

**“STATISTICAL ANALYSIS OF PEOPLES INTEREST ON MOVIES BASED ON AGE GROUPS “**

**Submitted by**

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**Submitted to**

**Department of Statistics**

**SDM College(Autonomous), Ujire**

**Under the Guidance**

**Mrs. Manjula**

**Asst. Prof. Department of Statistics**

**SDM College (Autonomous), Ujire**

**2019-2020**

**CERTIFICATE**

This is to certify that the following 2nd B.sc ‘A’ student have complete the student research project titled “**​“Statistical** **analysis of peoples interest on movies based on age groups”** in Statistics as a co-curricular activity under the guidance of Mrs. Manjula, Asst prof, Dept of Statistics, SDM College Ujire during the year 2019-2020

**TEAM MEMBERS**

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**2019-2020 SDM College Ujire**

**ACKNOWLEDEMENT**

**​**Acknowledgment is a valuable feeling expressed to valuable​ ​people.

We are extremely thankful to our beloved **principal ​Prof.Satheeshchandhra S** for giving us an opportunity to conduct a student research project in the college.

We solicit our heartily thanks to the**​“Student Research Committee”**for making us to work for the project. It is our pleasure to thank each and everyone who have helped us in this research project.

We extend our sincere thanks our guide ​ **Ms.Manjula,** Department of statistics for her valuable guidance and constant support which has us to complete the project successfully.

Our special thanks to our parents whose constant support and guidance has helped us to rise to this level. Finally, we thank all our friends for this constant support.

**Team members**

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| Spoorthi K |
| Shraddha |
| Swetha T.S |
| Shravya G.S |

**DECLARATION**

We hereby declare that this student research project entitled **​“Statistical** **analysis of peoples interest on movies based on age groups”** Has been prepared by us during the month of November to February in Ujire under the guidance of ​Ms.Manjula , Department of Statistics SDM College ,Ujire.

We also declare that this by us is the result of our own efforts.

Date :

Place : Ujire

Team Members:

|  |  |  |  |  |
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**PREAMBLE**

To promote the statistical interest at undergraduate level, SDM College, Ujire has introduced “Students Research Project” for all degree students. A team of 4 student of B.sc has chosen to do research on Statistics. The topic chosen is “Statistical Analysis of peoples interest on movies based on age groups”

Movie industry is the most evergreen industry in the field of entertainment. Many artist from all over the world exhibit their talent to the viewer and win hearts of many people. movies has several generes like comedy,drama,thriller,documentary,biography,crime,family,fantacy,mystery,musical,horror,animation,action,romance,adventure and so on.

**Team members**

|  |
| --- |
| Spoorthi K |
| Shraddha |
| Swetha T.S |
| Shravya G.S |

**INTRODUCTION**

When life seems messed up and we cannot find our way out from the bunch of assignment and project piled up on our desk all we need to do is take a little break and release the pressure building up in our mind one of the best way to do so is to watch movies.

Film is an art from that touches almost everyone’s life. Whether we prefer to watch movie at home or theatre. Most of us watch films once a twice a week, and many of us more often than that. The movies are at the heart of our culture. Film has senses to create special atmosphere, feeling or to bring out emotions male and female tends to prefer different type of movies there is large is large overlap in their preference. It helps us to at least forget our troubles even in just a single moment, when we watch movies as our desire. Here is an attempt to know about to know about the male and female student’s preference to watch movies.

**OBJECTIVES**

The main objective is to analyse:

* Whether people like watching a movie.
* People’s interest on movies with different age groups.
* Peoples interest on documentary movies vs commercial movies.
* The language of movie the people would prefer.
* Which genre is most popular?
* Whether watching a movie is just for entertainment or any other purpose Significant for a good movie.
* People’s interest on movie that were released in different decades.
* Why documentary, regional movies lag behind
* People’s interest on remake or own movie.
* People watching movies based on gender
* Main reason for the people to watch movie
* How often people watch movies
* People’s main source for movies
* What makes a film successful?
* Which genre is least favorite?
* What makes a person to watch a film?

**PREPARATION OF QUESTIONNAIRE**

Having a set of objectives, we prepared a draft questionnaire consisting 10 questions to extract the required information

**METHODOLODY**

A sample of 100 student was chosen using sample random sampling without replacement method.

**COLLECTION OF DATA**

Opinion of 100 selected students of different gender and presented in percentage.

**SCRUTINY OF THE COLLECTED DATA**

We prepared a specific format for summarizing the data. The collected data were thoroughly scrutinized to determine whether the data properly collected.

**APPENDIX**

**QUESTIONAIRE ON STATISTICAL ANALYSIS OF PEOPLES INTEREST ON MOVIES BASED ON AGE GROUPS**

Name: Gender:

Age: Occupation:

1) Your interest on movies based on the following decade.

a) 1980’s c) 2000’s

b) 1990’s d) Present movies

2) Which type of movie do you like?

a) Horror/Thriller/Suspense c) Romantic/comedy

b) Action/Drama/Crime d) Fiction/Science- Fiction/Historical

3) How often do you watch a movie?

a) Everyday c) Once a month

b) Once a week d) None

4) Where do you find out new films coming out?

a) TV shows c) Social media

b) Newspaper d) Other

5) Why do you watch films

a) Production team c) Scenes, dialogues

b) Story, narration of film d) Publicity

6) Opinion regarding remake films

a) It is a good idea c) It is not good

b) It is an average idea d) It depends on movies

7) Which of the following do you like?

a) Documentary movies c) Regional movies

b) Commercial movies d) Foreign movies

8) Your opinion regarding old people like to watch?

a) Mythology movies c) Drama movies

b) Action movies d) Comedy movies

9) You watch movies in

a) Theatre c) Internet

b) DVD d) Television

10) Which type of movies more popular

a) Action c) Romantic

b) Drama d) Comedy

**ANALYSIS OF COLLECTED DATA**

1. Your interest on movie based on following decades

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Opinion | | 1980’s | 1990’s | 2000’s | Present movies |
| % of  people | Student | 6 | 4 | 18 | 72 |
| Working people | 28 | 20 | 32 | 20 |

**CONCLUSION: Most of students are like to watch present movies but working people are like to watch movies that were released in 2000 decade.**

1. Which type of movie do you like

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| opinion | | Horror/Thriller/  suspnse | Action/drama/  crime | Romantic/  comedy | Fiction/science Fiction/ Historin | Total |
| % of people | Student | 25 | 8 | 13 | 4 | 50(Ta) |
| Working people | 5 | 10 | 22 | 13 | 50(Tb) |
| Total(Ti) | | 30 | 18 | 35 | 17 | 100 N |

Accordingly we set up H0 and H1 as follows:

Ho: Results of students and working people watching different types of movies are independent.

H1:Results of students and working people watching different types of movies are associated or dependent.

Under H0 the test statistics is given by

**χ** 2=N2/Ta Tb[

=(100)2/(50)(50)[(25)2/30+82/18+132/35+42/17-(50)2/100]

=4[20.8333+3.5556+4.8286+0.9412-25]

=20.6348

The test procedure suggest that reject H0 if

**χ** 2> **χ** 2 (r-1)(s-1)

**χ** 2> **χ** 2 (2-1)(4-1),0.05

**χ** 2>7.81

**CONCLUSION**: Results of students and working people watching different types of movies are H0 rejected.

1. How often do you watch a movie.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Opinion | | Everyday | Once a week | Once a month | None |
| % of  people | Student | 20 | 50 | 24 | 6 |
| Working people | 22 | 20 | 32 | 26 |

**CONCLUSION:** Students prefer to watch movies once a week and working people like to watch movies once a month

1. Where do you find out about new films coming out?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Opinion | | TV Shows | Newspaper | Social media | Other |
| % of people | Student | 14 | 6 | 72 | 8 |
| Working people | 34 | 30 | 32 | 4 |

**CONCLUSION:** Students and working people find out about the new films coming out in theatre by social media and watching TV shows respectively.

1. Why do you watch films?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Opinion | | Production team | Story, narration of films | Scenes, Dialogues | Publicity |
| % of people | Student | 0 | 66 | 24 | 10 |
| Working People | 10 | 48 | 34 | 8 |

**CONCLUSION**:A few number of the students and working people like watch films because of the production team. Most of them like to watch movies based on Story, narration of the film

1. Opinion regarding remake films.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Opinion | | It is a good idea | It is an average idea | It is not good | It depends on movies |
| % of people | Student | 6 | 16 | 12 | 66 |
| Working people | 4 | 10 | 12 | 74 |

**CONCLUSION:** According to students and working people we can conclude that remake films may be good or bad it only depends on movies.

1. Which of the following do you like?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Opinion | | Documentary | Commercial | Regional | Foreign | Total |
| % of people | Student | 11 | 11 | 17 | 11 | 50(Ta) |
| Working people | 7 | 15 | 23 | 5 | 50(Tb) |
| Total(Ti) | | 18 | 26 | 40 | 16 | 100=N |

Accordingly we set up H0 and H1 as follows:

H0:Results of students and working people liking different types of movies are independent.

H1:Results of students and working people liking different types of movies are associated.

Under H0 the test statistics is given by

**χ** 2=N2/Ta Tb[

=(100)2/(50)(50)[112/18+112/26+112/40+112/16-(50)2/100]

=4[6.7222+4.6538+7.2250+7.5625-25]

=4.6540

The test procedure suggest that reject H0.

If **χ** 2> **χ** 2 (r-1)(s-1)

**χ** 2> **χ** 2 (2-1)(4-1)(0.05)

**χ** 2> **χ** 2 (30.05)

**χ** 2 (30.05)=7.81

**χ** 2<7.81

**CONCLUSION:** Results of students and working people liking different types of movies are accept H0.

1. Your opinion regarding old people like to watch?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Opinion | | Mythology movies | Action movies | Drama movies | Comedy movies |
| % of  people | Student | 34 | 8 | 12 | 46 |
| Working people | 32 | 10 | 16 | 42 |

**CONCLUSION**: In the opinion of students and working people, old people are like to watch comedy movies and mythology movies.

1. You Watch movies in

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Opinion | | Theatre | DVD | Internet | Television |
| % of people | Student | 20 | 4 | 40 | 36 |
| Working people | 18 | 4 | 18 | 60 |

**CONCLUSION**: Most of the students watch movies in Internet and most of working people watch movies in Television.

1. Which type of movies were popular

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Opinion | | Action | Drama | Romantic | Comedy |
| % of people | Student | 56 | 4 | 16 | 24 |
| Working people | 34 | 12 | 16 | 38 |

**CONCLUSION**: Most of the students, as they are youngster are like to watch Action movies but Working people prefer to watch comedy movies.

**BRIEF REPORT OF THE SURVEY**

* Most of students are like to watch present movies but working people are like to watch movies that were released in 2000decade.
* Students prefer to watch movies once a week while working people like to watch movies once a month
* Students and working people find out about the new films coming out in theatre by social media and watching TV shows respectively.
* A few number of the students and working people like watch films because of the production team. Most of them like to watch movies based on Story, narration of the film
* According to students and working people we can conclude that remake films may be good or bad it only depends on movies.
* In the opinion of students and working people, old people are like to watch comedy movies and mythology movies.
* Most of the students watch movies in Internet and most of working people watch movies in Television.
* Most of the students, as they are youngster are like to watch Action movies but Working people prefer to watch comedy movies.

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