**MARATHA VIDHYA PRASRAKH SAMAJ, NASHIK**

****

**DEPARTMENT** **OF STATISTICS**

The F. Y. B. Sc. Statistics Project under Practical Paper -113 For the SPPU during academic year 2023-24

CERTIFICATE

**“STATISTICALANALYSISONMONTHLYOTTAPPSSUBSCRIPTIONAMONG**

**PEOPLE”**

**CARRIEDOUTBY**

|  |  |  |
| --- | --- | --- |
| **SRNO** | **Name of the Students** | **ROLL.NO** |
| **1** | **Patil Unnati Anil** | **222** |
| **2** | **Sakshi Dilip Mane** | **213** |
| **3** | **Pratiksha Sunil Ghodekar** | **217** |
| **4** | **Smarnika Valu Tile** | **200** |
| **5** | **Anushka Rajendra Kapdanis** | **531** |
| **6** | **Neha Arun Kandale** | **209** |
| **7** | **Vishakha Nanakishor More** | **235** |
| **8** | **Arya Sameer More** | **234** |

SignatureoftheGuide Signature of the H.O.D

Mrs. Dhanshri mam

# INDEX

|  |  |  |
| --- | --- | --- |
| **No** | **Points** | **Page No** |
| 1 | Introduction | 3 |
| 2 | Data Collection | 4 |
| 3 | Tabulation Table | 5 |
| 4 | Calculations | 7 |
| 5 | Conclusions | 9 |

# INTRODUCTION

In recent years, the popularity of Over-The-Top (OTT) platforms has skyrocketed, providing viewers with convenient access to a vast array of streaming, Content. With an increasing number of OTT platforms available in them arket, one crucial aspect that influences user.

preferences and decisionsisthe pricerangeo Subscriptions. Understanding the pricing dynamics. and determining the most preferred price. range can offer Valuable insights for both Service providers and consumers. In this project, We aim to analyze and explore the preferred OTT platform price range. in Subscriptions. Using Statistical methods to derivem earning fulcon- clusions.

More people use the apps subscription so. We decided to conduct a project on topic. "**STATISTICAL ANALYSTS ON MONTHLY OTT Apps SUBSCRIPTION AMONG PEOPLE".** We collected primary data from

Students of **Karmaveer Raosaheb Thorat Arts, Bahusaheb Hiray Commerce and Annasaheb Murkute Science College, NASHIK** data of 30 People.

# ABOUT DATA COLLECTION

DATA collection is the process of gathering and measuring data, information, or any Variable of interest in standardized.

Collected data characteristics is the types of Variable and they are measured using RATTO SCAL E This data is primary data because it collected by direct personal investigation. DATA collect from person to person.

**THE QUESTIONNATRE:**

1) Use of (OTT) Subscriptions YES/NO?

2) What is your age?

3) Which type of subscriptions use in Mobile?

4) How much rupees are required for recharge per month?

5) How much time use in OTT Subscriptions

# Tabulation Table

|  |  |  |  |
| --- | --- | --- | --- |
| GENDER / Rupees of OTT Subscription | Male | Female | Total |
| 100-200 | 16 | 15 | 31 |
| 200-300 | 5 | 3 | 8 |
| 300-400 | 4 | 2 | 6 |
| 400-500 | 3 | 2 | 5 |
|  |  |  |  |
| Total | 28 | 22 | 50 |

* **Male:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| class | Mid value(xi) | fi | fixi | xi2 | fixi2 |
| 100-200 | 150 | 16 | 2400 | 22500 | 360000 |
| 200-300 | 250 | 5 | 1250 | 62500 | 312500 |
| 300-400 | 350 | 4 | 1400 | 122500 | 490000 |
| 400-500 | 450 | 3 | 13500 | 202500 | 607500 |
|  |  |  |  |  |  |
| Total = | 1200 | 28 | 6400 | 410000 | 1770000 |

* **Female:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| class | Mid value(xi) | fi | fixi | xi2 | fixi2 |
| 100-200 | 150 | 15 | 2250 | 22500 | 337500 |
| 200-300 | 250 | 3 | 750 | 62500 | 187500 |
| 300-400 | 350 | 2 | 700 | 122500 | 245000 |
| 400-500 | 450 | 2 | 300 | 202500 | 405000 |
|  |  |  |  |  |  |
| Total = | 1200 | 22 | 4600 | 410000 | 1175000 |

# Calculations

* **Male:**

1. Mean (x) = Σ fixi/Σfi   
    = 6400/28   
    =228.572
2. Variance = Σ fi xi²/Σfi - (x)²  
    = 1770000/28 - (228.571) ²  
    = 10969.58367
3. Standard deviation = √Var(X)

=√10969.58367  
= 104.7351

1. coefficient of Variation = (S.D/1X1) \* 100  
    = 104.7357/228.571  
    = 45.8219

# 

* **Female:**

1. Mean (x) = Σ fixi/Σfi   
    = 4600/22   
    =209.090
2. Variance = Σ fi xi²/Σfi - (x)²  
    = 1770000/28 - (209.090) ²  
    = 9690.4620
3. Standard deviation = √Var(X)

=√9690.4620  
= 98.440

1. coefficient of Variation = (S.D/1X1) \* 100  
    = 98.440/209.090  
    = 47.080

# Conclusion

Male is more consistent for using Ott subscription recharge in per month. Best fitted on it