

Digital Assignment 2

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G1+TG1

Questionnaire

Movie Review

* Required

1. Name

2. What movie genre do you prefer?(First two preferences) *

Check all that apply.

☐ Action

☐ Drama

☐ Comedy

☐ Horror

☐ Sci-Fi

☐ Classics

☐ Documentary

☐ Other: _____

3. If you enjoyed the movie in the theater, how likely are you to watch it again?

Mark only one oval.

1 2 3 4 5

Less Likely ☐ ☐ ☐ ☐ ☐ Highly Likely

4. Which of the following aspects do you feel is most important to a good movie? *

Mark only one oval.

☐ Cast

☐ Writing

☐ Direction

☐ Special Effects

☐ Other: _____

6. How do you decide whether you should watch a movie?(Check all that apply) *

Check all that apply.

- ☐ Family/Friends
- ☐ Reviews
- ☐ Trailers
- ☐ Actor/Actresses
- ☐ Ratings
- ☐ Director
- ☐ Other: _____

7. The most recent movie you watched

8. How frequently do you watch movies

Mark only one oval.

	1	2	3	4	5	
Less Frequently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Frequently

9. Good music is essential for a film

Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

5. Please select your preferred method of watching movies *

Mark only one oval.

- ☐ T.V.
- ☐ Laptop/PC
- ☐ Theatre
- ☐ Other: _____

10. Out of all elements of a movie which 3 appeal you the most *

Check all that apply.

- ☐ Acting
- ☐ Dialogues
- ☐ Actor/Actress/Director
- ☐ Costumes
- ☐ Music/Sound
- ☐ Screenplay
- ☐ Story
- ☐ Special Effects
- ☐ Sets/Ambiance
- ☐ Other: _____

11. Name of favorite actor/actress

Sample Response

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11
Jhansi M N S	Action, Comedy	3	Writing	Laptop/PC	Reviews, Trailers, Actor/Actresses	Kaabil	3	4	Acting, Dialogues, Story	Ranbir Kapoor
Shilpa Sarkar	Horror, Sci-Fi	2	Story	Theatre	Reviews	Kabil	3	5	Music/Sound, Story, Sets/Ambiance	Ranbir Kapoor, Priyanka Chopra

All responses at:

https://drive.google.com/open?id=1YK8CVq1Feha9W2QhE8J7B13EZdmTFMp_XjHCE6NBo3g

Statistical Analysis

Modelling and Solving Problems from Survey

Q1.

Using the question " **If you enjoyed the movie in the theatre, how likely are you to watch it again?**" from the survey and the **first 30 results** ,find the probability that a person will give the rating 3 or more than 3 using **normal distribution**.

Solution.

Using normal distribution :

Using R:

```
> a=c(1,4,5,2,2,4,4,4,3,3,2,5,4,3,2,3,3,2,1,3,3,1,2,4,3,3,2,3,3,3)
```

```
> mean(a)
```

```
[1] 2.9
```

```
> sd(a)
```

```
[1] 1.061879
```

```
> 1-pnorm(3,mean(a),sd(a))
```

```
[1] 0.462486
```

Q2.

Using the question” **Please select your preferred method of watching movies**” from the survey and the **first 30 results** ,find the probability of having 10 or less cases where laptop is preferred choice using **binomial distribution**.

Solution.

Using binomial distribution:

Probability of laptop as preferred choice= $1/4=0.25$

Number of total cases=30

$P(x \leq 10) =$

Using R:

```
> pbinom(10,30,.25)
```

```
[1] 0.8942719
```