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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Privacy And Security In Online Social Media**
(course)



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Course
outline

How does an
NPTEL online
course work?
()

Prerequisite
Assignment ()

Welcome to
PSOSM class
()

Introduction
to Social
Media API ()

Misinformation
and Privacy

Week 5: Assignment 5

The due date for submitting this assignment has passed.

Due on 2023-08-30, 23:59 IST.

Assignment submitted on 2023-08-30, 22:11 IST

1) How do Online Social Networks improve public Communication between police and residents? **1 point**

- ☒ provide actionable information and collective action
- ☒ provide mutual accountability
- ☒ understand fear and victimisation effects
- ☒ help to contact concerned authorities

Yes, the answer is correct.

Score: 1

Accepted Answers:

provide actionable information and collective action

provide mutual accountability

understand fear and victimisation effects

help to contact concerned authorities

2) Which of the following are examples of actionable information? **1 point**

- ☒ OSN post regarding traffic issues on the road
- ☒ OSN post regarding open potholes on the road

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Privacy and Pictures on Online Social Media ()

Policing and Social Media ()

● Week-5.1
Policing and Online Social Media (unit? unit=42&lesson=43)

● Week-5.2
Policing and Online Social Media (unit? unit=42&lesson=44)

● Week 5.3
Policing and Online Social Media (unit? unit=42&lesson=45)

● Quiz: Week 5: Assignment 5 (assessment? name=126)

● Week 5
Feedback Form : Privacy and Security in Online Social Media (unit? unit=42&lesson=46)

● Week 5:
Solution (unit? unit=42&lesson=132)

E-crime and social media

- ☐ OSN post sharing about Azaadi ka Amrit Mahotsav celebrations in the locality
- ☐ None of the above

Yes, the answer is correct.

Score: 1

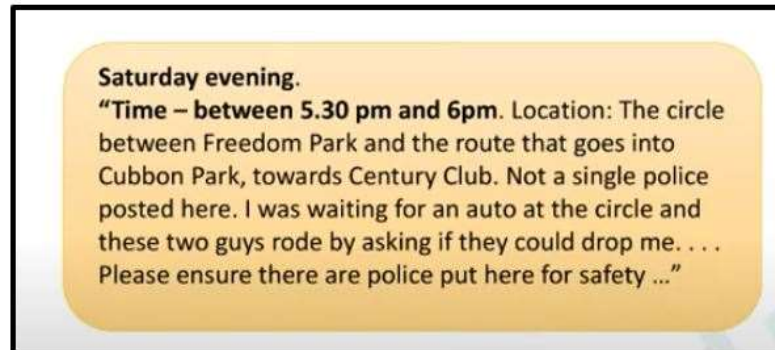
Accepted Answers:

OSN post regarding traffic issues on the road

OSN post regarding open potholes on the road

3) What type of actionable information is highlighted in (bold) the below example?

1 point



- ☐ Temporal data
- ☒ Spatial data
- ☐ Linguistic data
- ☐ None of the above

No, the answer is incorrect.

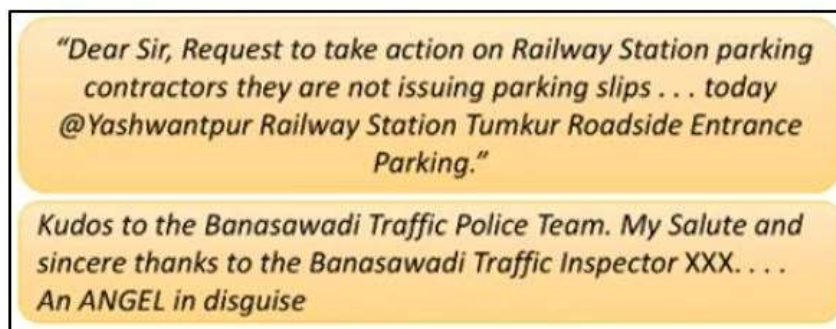
Score: 0

Accepted Answers:

Temporal data

4) Given below are two types of communication as discussed in the lecture.

1 point



- ☐ Formal and Formal
- ☐ Informal and Formal
- ☐ Informal and Informal
- ☒ Formal and Informal

Yes, the answer is correct.

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**Social media
and crime ()**

**Identity
resolution
and social
media ()**

**Research
papers:
Location
based
Privacy ()**

**Research
Papers Part -
II ()**

**Week 11:
Summary ()**

**Lecture
materials/Not
es ()**

**Text
Transcripts ()**

**Download
videos ()**

Books ()

**Problem
Solving
Session -
July 2023 ()**

Score: 1

Accepted Answers:

Formal and Informal

5) How would you identify emotional and psychological states based on the written text? **1 point**

- ☐ LIWC
- ☐ K-means clustering
- ☐ N-gram analysis
- ☒ All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

LIWC

6) Consider a sentence "ISRO launched Chandrayaan and conducted experiments on thermophysical properties and environment". What is the thematic content and subject matter being discussed? **1 point**

- ☐ The linguistic diversity of the sentence.
- ☐ The emotional tone is conveyed in the sentence.
- ☐ The grammatical structure of the sentence.
- ☒ The activities and research conducted by ISRO.

Yes, the answer is correct.

Score: 1

Accepted Answers:

The activities and research conducted by ISRO.

7) What does an "n" represent in the n-gram analysis of a sentence? **1 point**

- ☐ The number of emotions in the analysis.
- ☒ The number of words in each n-gram.
- ☐ The number of characters in each n-gram.
- ☐ The number of different languages in the sentence.

Yes, the answer is correct.

Score: 1

Accepted Answers:

The number of words in each n-gram.

8) A sentiment analysis study analyses a text passage for valence and arousal values. On a scale of -1 to 1, the valence and arousal score is 0.75 and 0.85. What do these values suggest about the emotional characteristics of the text? **1 point**

- ☐ Negative sentiment, low emotional intensity
- ☒ Positive sentiment, high emotional intensity
- ☐ Negative sentiment, high emotional intensity
- ☐ Positive sentiment, low emotional intensity

Yes, the answer is correct.

Score: 1

Accepted Answers:

Positive sentiment, high emotional intensity

9) A social media analyst is studying the engagement characteristics (likes, comments, **1 point** and shares) of three different posts on a platform. The engagement counts for each post over a week are as follows:

Post 1: 120 likes, 30 comments, 15 shares

Post 2: 80 likes, 45 comments, 20 shares

Post 3: 100 likes, 25 comments, 10 shares

Calculate the mean engagement (average likes, comments, and shares) for each post and then find the standard deviation of engagement for the entire set of posts. Based on the standard deviation, which post shows the highest variability in engagement characteristics?

- ☒ Post 1
- ☐ Post 2
- ☐ Post 3
- ☐ All posts show similar variability.

Yes, the answer is correct.

Score: 1

Accepted Answers:

Post 1

10) What kind of post and sentiment is depicted in the below example? "Absolutely **1 point** disgusted by the state of our local park! It's been months since we reported the broken playground equipment, and nothing has been done. Our kids deserve better!"

- ☐ Citizen-initiated and positive
- ☐ Public authority-initiated and negative
- ☒ Citizen-initiated and negative
- ☐ Public authority-initiated and positive

Yes, the answer is correct.

Score: 1

Accepted Answers:

Citizen-initiated and negative