Overview Talk

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Spoilers: The Dark Side



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- □ A spoiler is a short summary that reveals details of a plot
- Accidentally seeing a spoiler may ruin the experience

Wikipedia had spoiler alerts until 2007

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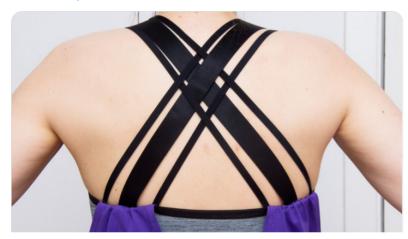
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Spoilers: The Light Side



How to keep your workout clothes from stinking:

lifehac.kr/57YOuEZ



Clickbait [Potthast et al., 2016]

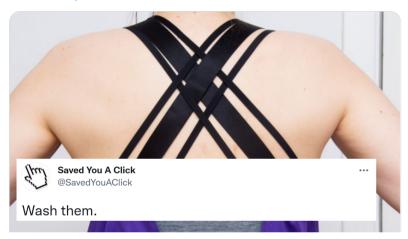
- Social-media posts that create a curiosity gap to generate clicks
- Resolution is usually ordinary or trivial

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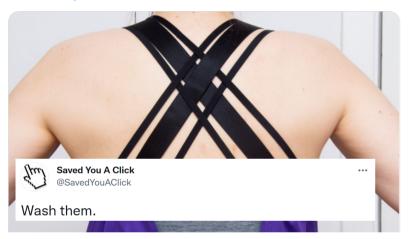
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What the 'someone is typing' bubbles in messaging apps actually mean gizmo.do/jodfFXV



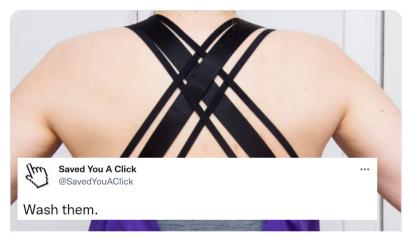
#### Clickbait [Potthast et al., 2016]

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#### Clickbait [Potthast et al., 2016]

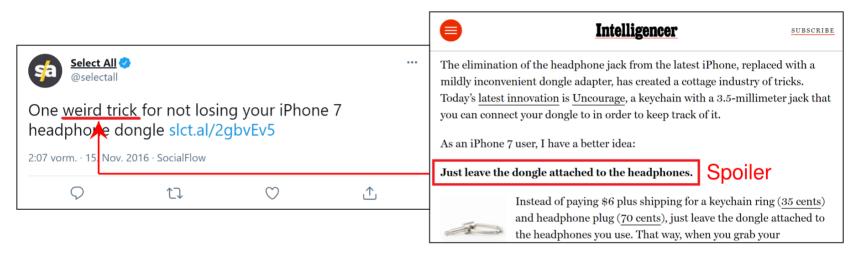
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#### Clickbait Spoiling [Hagen et al., 2022]

Generating a short text that satisfies the curiosity gap

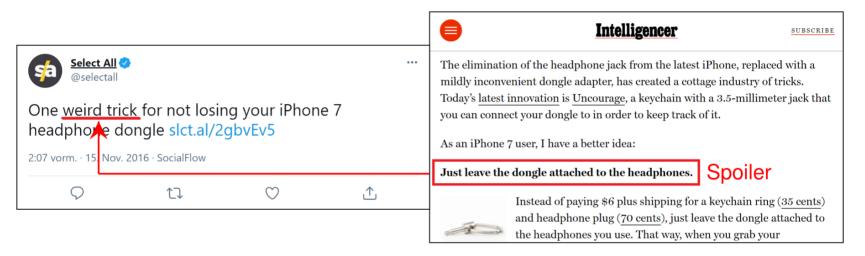
The Dataset

5,000 spoilable clickbait posts with high quality annotations



#### The Dataset

5,000 spoilable clickbait posts with high quality annotations



#### Construction:

- 5 social media accounts that manually spoil clickbait
- Webis Clickbait-17 dataset

#### 560 hours annotation effort:

- Manual post selection, main content extraction, and spoiler identification
- □ 3 types of spoilers: Phrase, Passage, Multi

#### Spoiler Types

- Phrase
  - <5 consecutive words</p>
  - Often entities and nouns

Someone is typing.

- Passage
  - >5 consecutive words
  - Often Descriptions
- Multipart
  - Lists closing multiple curiosity gaps

Just leave the dongle attached to the headphones.

- 1. Set Your Alarm with *Precision*
- 2. Write Down 1 Daily Intention

#### **Statistics**

- □ 83 registered teams from 24 countries
- 30 teams submitted results / software
- 23 teams submitted notebook papers
- Real or fictional journalists as nicknames (e.g., Peter Parker)



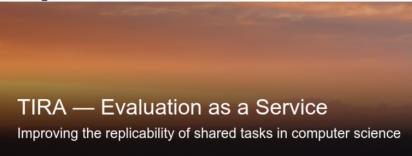






Run Submissions vs. Software Submissions

http://tira.io



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TIRA — Evaluation as a Service

Improving the replicability of shared tasks in computer science

#### Software Submissions

- Implement approach in Docker image
- 2. Upload image to dedicated image registry in TIRA
- 3. Your approach is executed in a Kubernetes cluster in a sandbox

Run Submissions vs. Software Submissions



#### Software Submissions

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Repeat, Replicate, and Reproduce in One Line of Code

```
import tira
df = tira.load_data('<dataset-name>')
predictions, evaluation = tira.run(
    '<task-name>/<user-name>/<software-name>',
    data=df, evaluate='<evaluator-name>')
)
```

Task 1: Spoiler type classification

□ Input: Post, Article

Output: Phrase, Passage, Multipart

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#### **Statistics**

26 teams submitted to task 1

17 teams made software submissions

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#### **Submissions**

Submission			Accuracy
Team	Name	Run	•
Billy Batson Baseline	result upload	02-13-07-44-28 11-20-15-48-19	0.74 0.74
Gallegher Paul Morgan Walter Burns	task1-gpu result upload result upload	02-01-23-07-17 12-17-16-10-28 01-26-00-53-14	0.72 0.72 0.72

Task 2: Spoiler generation

□ Input: Post, Article, Spoiler type

Output: text that satisfies the curiosity gap of the post

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#### **Statistics**

- 17 teams submitted to task 2
- □ 12 teams made software submissions

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- Input: Post, Article, Spoiler type
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#### **Submissions**

Submission			
Team	Name	Run	BL4
John King	burning-desert	02-06-07-29-13	0.48
S. Spellman	cerulean-r.	01-24-00-32-15	0.47
Walter Burns	result upload	01-26-01-01-19	0.44
Mr. Fosdick	Squad QA	01-10-21-21-07	0.42
Brooke English	congruent-eel	01-31-05-27-54	0.42

The clickbait spoiling challenge was hosted at SemEVAL 2023

#### Take Aways

- □ Task 1 seems to still have potential for improvement
- Substantial improvements upon the baseline for task 2

#### **Future Work**

- All datasets are publicly released
- Software submissions released for reproducibility



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## Thank You!