

Annotation Guideline

1. Task Definition

Traditional sentiment analysis focuses on the aspect of a target (e.g., battery performance in electronic products). Opinion analysis typically extracts Holder, Target, and Expression. Events, however, convey richer information compared to nominal aspects and are prevalent on social media. Prior event-based sentiment analysis often classifies sentiments too coarsely.

To refine granularity, we propose a joint task of event-opinion analysis, extracting the following pairs and triples:

Pair

```
<Trigger, Argument 1, Argument 2, ..., Argument n>
```

Triplet

```
<Trigger, Opinion Polarity, Opinion Expression>
```

These structures represent the sentiment polarity and expression regarding events. The relationship between event-opinion analysis and cross-document scenarios includes:

1. Different users may express conflicting opinions on the same event across posts, requiring cross-document extraction for event information completion.
2. In some cases, posts from the same user on an event may lack explicit opinion expressions, which cross-document extraction can address.

2. Annotation Scheme

Elements and Types

Element	Type	Example
Event Argument	Person	Trump
	Organization	Tesla
	Country	China, USA
	Location	China, New York
	Date	16th, September 2023
	Object	Products, tools
	Other	Other types not listed
Trigger Word	Trigger	Prohibit, Lead
Opinion Polarity	Sentiment##Support	Support, Oppose, Neutral
	Sentiment##Negative	
	Sentiment##Neutral	
Opinion Expression	Clause with sentiment	For sentences containing opinion polarity, mark the entire sentence (not just a single word)
Additional Annotation	Field##Sports	
	Field##Society	
	Field##Technology	
	Field##Entertainment	
	Field##Politics	
	Field##Finance	
	Field##Disaster	
	Field##Business	
	Field##Military	
	Field##Else	

Key Annotation Rules

1. **Event Arguments:** A single word, including seven types: Person, Organization, Country, Location, Date, Object, and Other.

2. **Triggers:** A single word, without a specific category, usually a verb. If present, mark it directly.
3. **Connection Between Triggers and Event Arguments:** Due to the diversity of hot news events on social media, predefining event categories and specific relationships between triggers and arguments is highly time-consuming. Therefore, we plan to construct an open event-opinion joint extraction dataset, focusing on extracting as many event structures as possible from the text rather than adhering to predefined fixed relationships. **Triggers and their related event arguments are uniformly connected using a unique relationship identifier, "Associate,"** to facilitate the construction of event-opinion quadruples later.
4. **Opinion Polarity:** Classified as Support, Oppose, or Neutral based on sentiment.
5. **Opinion Expression:** Entire sentiment-expressing sentence is annotated.

Relationships:

- **Associate** : Event triggers and their corresponding event arguments; sub-events and their corresponding opinions when sub-events exist.
- **Sub-event** : The trigger word of the main event and the trigger word of the sub-event.

3. Data Filtering

Since the data undergoes manual pre-screening, some texts may be deemed unsuitable for annotation. After discussion, the **texts to be excluded** are categorized as follows:

1. Issues with information substitution (e.g., "chen Yunshan").
2. Discussions about event topics, typically in the form of questions.
3. Government work reports or personal statements (e.g., the 14th Party Congress speeches are retained but not annotated for now).

4. Discussions on topics related to the event's subject following a hot event. These may include emotional tendencies or opinions but do not supplement the event's completeness. Such topics often derive from the event, like debates on morality or legal responsibility.

Special Cases Requiring Annotation:

1. **Comments supplementing event causes or specific details but lacking emotional tendencies or opinions:**
 - **Neutral Polarity Annotation:**
 - Case 1: Sentences without opinion expression should not be annotated.
 - Case 2: Sentences with opinion expression but neutral in sentiment should be annotated with a neutral label.
2. **Events containing multiple related sub-events:**
 - All relevant sub-events should be annotated.

4. Examples

1. Politics

环球网报道 综合美国有线电视新闻网（CNN）、《华盛顿邮报》等多家媒体报道，负责主审美国前总统特朗普涉嫌财务欺诈案的纽约法官亚瑟恩戈隆当地时间16日作出裁定，内容包括要求特朗普以及特朗普集团支付超过3.5亿美元的罚款、禁止特朗普在3年内担任纽约任何公司的董事。对于该裁定，特朗普当天晚些时候称将上诉。据CNN报道，特朗普16日在海湖庄园发表讲话时称，这是“非常悲伤的一天”。“我们会上诉，我认为我们会成功。”他补充称。据媒体此前报道，2023年9月26日，纽约曼哈顿一家法院的法官亚瑟恩戈隆裁定纽约州总检察长利蒂希娅詹姆斯对特朗普等人及特朗普集团为获取经济利益而夸大其房地产资产估值等财务欺诈行为的核心指控有效。法院自同年10月2日起开始审理詹姆斯对特朗普提出的其他六项指控。詹姆斯寻求对特朗普等人及特朗普集团处以罚款并禁止他们在纽约州经营企业等。<sep>当地时间2月16日，据彭博社消息，美国前总统特朗普因夸大其净资产构成欺诈，被处以超3.5亿美元罚款。美国纽约州法官当日对美国前总统特朗普的民事欺诈案作出裁决。由于特朗普将其净资产夸大了数十亿美元，构成了严重欺诈行为，法官裁定对特朗普处以超3.5亿美元的罚款，永久禁止特朗普进入纽约房地产行业，并大幅限制他在该州开展业务的能力。此外，法官还裁定对特朗普的两个儿子小唐纳德特朗普和埃里克特朗普实施五年的行业禁令。（央视新闻客户端）<sep>看起来是吹牛也要上税，实际上是党争，是政治迫害。<sep>他也不只是吹牛被罚吧。吹牛的时候欺骗银行，抵押贷款。报税时，又降低财产，偷税。<sep>哇哦，美国干的不错哦<sep>在美国吹牛要罚款啊？我们的地产商如果不能吹牛，这个行业估计没人了。<sep>吹牛有风险！，理由是财务欺诈，夸大自家企业净资产，以获取不当利益，翻译过来就是做广子吹牛吹破了。要上诉，能赢。<sep>反正不用花特朗普的钱，特朗普支持者们赶紧捐款吧。<sep>像他会干出来的事 脑子一直都不太好 被罚也是应得的<sep>在美国吹牛皮是犯法的，还要上税的；懂王还被永久被禁止进入纽约房地产行业<sep>并不影响啊，执行可以拖，拖到他当选总统以后，赦免自己就行了<sep>传下去！美国那边吹牛逼犯法！！吹牛逼得上税！前总统因为吹牛逼都被罚了3.5个亿美元！<sep>判了，构成严重欺诈行为！特朗普被罚超3.5亿美元，永久禁止进入纽约房地产行业，并对其两个儿子实施五年的行业禁令。（新华每日电讯）<sep>下图判决是个好消息！这货1月公开讲，他当选了要对某国所有商品实施60重关税。转：刚

Pairs and Triples:

Example 1:

Pair:

```
<Argument: Arthur Engoron, 16th | Trigger: Ruling>
<Argument: Trump, Trump Organization, Fine | Trigger: Pay>
<Argument: Arthur Engoron | Trigger: Prohibit>
<Argument: Trump, Director of any New York company | Trigger: Hold>
<Argument: Arthur Engoron, Donald Trump Jr., Eric Trump, Five Years, Industry Ban | Trigger: Implement>
```

Triple:

```
<Trigger: Ruling | Polarity: Oppose | Opinion: "This is not about taxes, but party strife and political persecution.">
```

Example 2:

Pair:

<Argument: Arthur Engoron, 16th | Trigger: Ruling>
<Argument: Trump, Trump Organization, Fine | Trigger: Pay>
<Argument: Arthur Engoron | Trigger: Prohibit>
<Argument: Trump, Director of any New York company | Trigger: Hold>
<Argument: Arthur Engoron, Donald Trump Jr., Eric Trump, Five Years, Industry Ban | Trigger: Implement>

Triple:

<Trigger: Ruling | Polarity: Neutral | Opinion: "It's not just about boasting and being fined, is it?">

Example 3:

Pair:

<Argument: Arthur Engoron, 16th | Trigger: Ruling>
<Argument: Trump, Trump Organization, Fine | Trigger: Pay>
<Argument: Arthur Engoron | Trigger: Prohibit>
<Argument: Trump, Director of any New York company | Trigger: Hold>
<Argument: Arthur Engoron, Donald Trump Jr., Eric Trump, Five Years, Industry Ban | Trigger: Implement>

Triple:

<Trigger: Ruling | Polarity: Support | Opinion: "Wow, the U.S. did a great job.">

Example 4:

Pair:

<Argument: Arthur Engoron, 16th | Trigger: Ruling>
<Argument: Trump, Trump Organization, Fine | Trigger: Pay>

```
<Argument: Arthur Engoron | Trigger: Prohibit>
<Argument: Trump, Director of any New York company | Trigger:
Hold>
<Argument: Arthur Engoron, Donald Trump Jr., Eric Trump, Five
Years, Industry Ban | Trigger: Implement>
```

Triple:

```
<Trigger: Ruling | Polarity: Support | Opinion: "Being fined
is well-deserved.">
```

.....

5. Issues

1. Nested Events

Many events include multiple sub-events. For example, in the first case:

```
<Argument: Arthur Engoron, 16th | Trigger: Ruling>
<Argument: Trump, Trump Organization, Fine | Trigger: Pay>
```

This sentence contains two nested events, where the second event ("Pay") is the target content of the trigger word "Ruling" in the first event.

Solution:

For two (or more) nested events, annotate the relationship between the triggers using the label "sub-event."

2. Defining Opinion Boundaries

When annotating user opinions, should we identify the smallest sentence containing the opinion polarity or the largest? For instance:

Event:

<Argument: SSE 50, CSI 300 dividend yield | Trigger: Approaching historical high>

User opinion:

"For the sake of sensationalism, they really have no shame. Everyone is at the bottom of the class but still feels proud of themselves."

Should the entire statement be annotated, or only a portion (e.g., the first two sentences, which have stronger polarity)?

Solution:

The boundaries of opinions are difficult to define. Annotation can be based on individual judgment. During model evaluation, adopt two strategies:

- **Restrict:** The opinion boundary must exactly match the gold standard.
- **Loose:** If the identified opinion overlaps with the gold standard, it is considered correct.

3. Do supplementary sub-events mentioned in comments, which have already been annotated as existing sub-events, need to be annotated again?

The image shows a snippet of a news article with various annotations. At the top, there are labels: 'Associate', 'elate', 'Sub-event', and 'elate'. The text is in Chinese and describes an incident where a deliveryman was injured by a kite string. Key phrases are highlighted with red boxes, and some are annotated with 'Associate' or 'Sub-event' labels. The text includes details about the injury, the compensation received, and a warning about kite flying safety. The annotations are placed above the text, with lines connecting them to the relevant parts of the article.

甘肃酒泉的外卖小哥茹某送餐途中经过某广场时，被一根风筝线刮伤，经医院治疗诊断为“颈部及拇指损伤”。警方后查实，放风筝的是一
未满14岁的小孩王某某。由于风筝线近路边，茹某途经此地看到后，虽立即采取紧急制动措施但仍遭此横祸。近日，
经酒泉市肃州区法院调解，陶某某一次性向茹某支付医疗费、护理费、误工费11742.36元。小孩子放风筝不知道收好，家长还不知
道吗？这是多大的安全隐患啊，也别搞什么不知者无罪论，都无辜的话事情怎么会发生，我只知道外卖小哥最无辜，多吓人啊。风筝线
在放起来绷紧的情况下非常锋利，像刀子一样，路过时一定要提高警惕性。同时，尽量在固定地点放风筝，特别是大型风筝。祝大家健康平
安！早安！山东消防12月7日，甘肃酒泉，据红星新闻报道：外卖小哥送餐途中被风筝线割喉获赠1万余元。无语，一万太少了！
我发现现在想去掉个疤都要花很多钱！这可是一条人命！一个是小孩子父母一个是现在的风筝线跟鱼线差不多，很危险的，以前都是棉
线！金华小陈说事中国2金华放风筝是很多人休闲娱乐的方式之一。然而，风筝线又细又隐蔽，肉眼是很难发现，如果是在拉紧的状
态下，很容易划伤伤人。蓝朋友通过用“猪手”来检测风筝线的杀伤力，结果戳视频看看吧消防超人12月7日报道，甘肃酒泉，外卖小
哥送餐途中被风筝线割喉获赠1万余元。真的是无妄之灾啊！这什么？飞来横祸啊，我天！骑车小知识，学习一下吧！via.制
图单位好恐怖以后骑车得小心！我天，想想就可怕！风筝又得被喊停的节奏！

For instance, in the event described above, the comment "The deliveryman was compensated over 10,000 yuan after his throat was cut by a kite string while delivering food" has already been detailed in the original news article

(the first text). Should this event description in the comments be annotated if it does not provide missing information about the original event but rather summarizes or restates it?

Solution: If the supplementary sub-event in the comment is merely a repetition or summary of an already annotated sub-event from the original text and does not provide additional information, it does not need to be annotated again. However, if the comment adds new details or context to the sub-event, it should be annotated.

4. **Sentiment Polarity for Comments on Accidental Events**

Comments on accidental events often express regret. How should the sentiment polarity for such events be annotated?

Solution:

Annotate the sentiment polarity as **negative**.

5. **Sentiments and Events: Handling Sub-Events**

The opinion is not directed at the main event of "publishing a reward notice" but instead at someone in the notice going viral due to their appearance. How should emotions and events be selected?

红星新闻据内蒙古广播电视台、九派新闻、大院新闻等多家媒体报道，近日，**呼和浩特市回民区人民法院发布悬赏公告，寻找被执行人曹晓娜**。曹晓娜出生于2004年，涉案标的为10028元。悬赏公告中，年仅19岁的被执行人曹晓娜照片容貌清秀，被网民称为“高颜值女老赖”后引发关注。12月9日中午，“回民区法院发布”微信公众号发布《**呼和浩特市回民区人民法院关于申请执行人杨某喜与被执行人曹某娜房屋租赁合同纠纷一案结案公告**》，《公告》显示，关于申请执行人杨某喜与被执行人曹某娜（2023）内0103执恢994号房屋租赁合同纠纷一案，被执行人曹某娜于2023年12月8日履行全部涉案款项，该案执行完毕，现已结案。“回民区法院发布”微信公众号、“呼和浩特市回民区人民法院”抖音账号时常发布当地法院的悬赏公告。12月9日中午，红星新闻记者检索这两个经常发布悬赏公告的账号发现，12月7日当天有多条悬赏公告发布，但已经无法查看到曹晓娜的悬赏公告。12月9日，红星新闻记者通过中国执行信息公开网查询发现，曹晓娜在房屋租赁合同纠纷一案中未按执行通知书指定的期间履行生效法律文书确定的给付义务，执行标的为10028元。中国执行信息公开网信息显示，该房屋租赁合同纠纷案于2023年10月8日立案，终本日期为2023年11月27日，即11月27日是终结本次执行程序的日期。限制消费令显示，曹晓娜被限制消费的内容包括旅游、度假等。但在网曝的疑似曹晓娜本人账号中，12月6日该账号仍在分享呼和浩特大青山的滑雪照片。红星新闻记者检索发现，该网曝疑似曹晓娜本人账号与曹晓娜本人同名，且有曾在今年11月8日发布过的悬赏公告中所使用的曹晓娜照片。12月9日，红星新闻记者致电悬赏通告上的承办人联系电话，截至发稿时并未拨通。

<sep>19岁女子悬赏公告，因“高颜值”受关注。总共就1万多块钱，开个直播就赚回来了，至于吗？是不是炒作啊？<sep>油饼吧？老赖就是老赖，还管长的好不好看？一个破老赖还吹上高颜值了？什么巨心？谁在乎她长什么样子？？想想疯了？？想说明什么？三观跟着五官走吗？<sep>这个热搜体现了什么样的价值观？<sep>有些人真的跪久了老赖就是老赖还扯什么高颜值老赖。老色批就是老色批没有帅哥老色批。<sep>啊？我没看错吧？这是被执行人诶 三观跟着五官走 也不能这么走吧 况且这五官也没有那么够吧 吃饱了撑的还是看不到美女了不理解 理解不了一点 虽然已经还清了 但是也<sep>虽然但是嗯 这个时候也不能光看颜值呀<sep>已经悬赏了谁会去在乎她的颜值<sep>三餐茶饭，四季衣裳，共同造就了一个叫家的地方<sep>曹晓娜，生于2004年8月12日，肖猴，名有不周也，一来名字欠缺补益性，二来名字没有安全性，因为肖猴者名字慎娜忌晓：<sep>一万块上热搜榜。深圳这边有五六百人被健身房诈骗150多万警方还不给立案调查的事，哪个媒体也不愿意报道。<sep>这个世界已经这么疯了吗 长得好看的还不够你喜欢吗？果然三观跟着五官走<sep><field>

Personal View:

It has already been decided in previous discussions to annotate sub-events. As long as an event is relevant to the main event, it should be annotated. For example, "publishing a reward notice" as the main event is incomplete without sub-events, such as describing the content of the notice (e.g., sentencing or penalties). If sub-events are not annotated, the information about the entire event would be incomplete. Therefore, **annotating sub-events is necessary**.

Answer:

Yes, it can be annotated.

If a user expresses an opinion about a sub-event, such as in the following example:

Field##Business z Field##Military x Field##Else c

Assoc Sub-event Associate Associate Associate Associate Associate

据中国青年报 12月6日晚，网红“小杨哥”的徒弟“**红绿灯的黄**”重新开始直播。她的账号动态显示，直播从19:57开始，刚直播了3分钟便被封禁。近日，小杨哥预告徒弟“红绿灯的黄”将于12月6日回归直播。相关视频显示，当晚，小黄出现称一姐回来了，鞠躬感谢，起身后直播间被封禁。对此，平台客服称，客服方面无法查询“红绿灯的黄”账号的具体封禁处罚，主播可以联系人工客服进行反馈，看封禁原因以及封禁处罚是否满足解封要求。曾被中消协列入“低俗带货”案例今年11月22日，中国消费者协会发布2023年“双11”消费维权舆情分析报告，指出低俗带货、价格垄断、虚假宣传等几个问题非常突出。报告中以疯狂小杨哥的徒弟“红绿灯的黄”带货引发争议为例指出，靠审丑发迹主播正引发更多人反感。报告引用河南广播电视台大象评论：靠审丑发迹的主播，正被品牌拥趸反感。最近，疯狂小杨哥的徒弟“红绿灯的黄”又因带货引发争议。在带货YSL（圣罗兰美妆）商品时，该女主播形象邋遢、表情狰狞，在直播截图中，她甚至一度叉开腿蹲在桌上，姿势颇不雅观。其实小杨哥团队的相关行为已经不是第一次引发争议，其低俗言论和行为，已经引起了不少人的不适。这类靠审丑发迹的主播，似乎正在引起更多人的反感。“红绿灯的黄”曾在评论区道歉称，“对不起姐妹们，不知道你们这么生气，直播间……”**红绿灯的黄**是小杨哥的大弟子，**红绿灯的黄**的直播风格人气迅速攀升，目前在社交平台上已经有超过900万粉丝。但在近期的直播中，其擦边和违规动作导致直播间被数次被强制关闭。主播带货时究竟哪些行为属于低俗的范畴？中国政法大学比较法学研究院教授、中国网络与信息法学会理事刘文杰指出，所谓“低俗传播”，即通过各种媒介发布和传播低俗内容。国家互联网信息办公室发布的《网络信息内容生态治理规定》将信息区分为鼓励传播的信息、禁止传播的违法信息和抵制传播的不良信息。该规定要求网络信息内容生产者采取措施，防范和抵制制作、复制、发布不良信息，其中就包括“宣扬低俗、庸俗、媚俗内容的”信息。“从‘规定’所做的信息分类可以看出，‘低俗内容’是与社会良好道德风尚有所背离的内容。‘炒作绯闻、丑闻、劣迹等的’带有性暗示、性挑逗等易使人产生性联想的信息其实都属于低俗内容。”刘文杰说。为什么直播间低俗带货泛滥？业内人士分析，这或许与公众的“审丑”心理有关，一些人为了宣泄焦虑、释放情绪而通过“审丑”寻找自我优越感。在流量、资源和行业“内卷”等压力下，一些主播通过哗众取宠、飙脏话、耍段子等低俗行为“媚丑”以博取眼球。同时受平台算法影响，“媚丑”信息因引流效果较好更容易被推荐给受众，产生信息茧房效应，最后形成恶性闭环。低俗当噱头早晚凉凉<sep>12月6日，小杨哥的徒弟“红绿灯的黄”重新开始直播，其账号动态显示直播从19时57分开始，刚直播了3分钟便被封禁，相关话题登上热搜。<sep>把低俗表演的是本色出演吧建议永封！<sep>现在还有多少人没在小杨哥和他的徒弟们、李佳琦、陈三废、辛巴、广东夫妇等这些大主播直播间买过东西的吗？应该还有不少！<sep>请问到哪里可以找到一个没在李佳琦，没在薇娅，没在辛巴，没在红绿灯的黄，没在小杨哥买过东西的朋友？有吗？<sep>一个小姑娘不顾形象，给大家带来欢乐，偷偷没抢努力取悦大家，我觉得没毛病！<sep>不改正的话建议不要解封直播了<sep>因为啥被封没点数吗？之前道歉了，现在开播大喊大叫，她很嚣张的说，直播8000万人，你们的一姐回来了捂脸，大概在/线10万人，举/报5万人吧<sep>小杨哥带这样的徒弟，而且在直播间搞这种低端的东西，真的是拉低自己的水准，这种还不封啊，顶流也可悲<sep>昨天不是刚播被封今天又来？不撞南墙不回头是吧？封得好啊该封就是应该更加规范平台直播才行不能任由这样的风气下去本来好好一个人变了一切都变了<sep>“这直播内容的却或多或少有那么点低俗”，她的受众群体到底是谁人？你们看过她直播吗？在他直播间买过货吗？<sep>封的好，低级趣味，没眼看<sep><field>

- "Restarting the livestream" is the main event, while "the livestream room was banned" is a sub-event. Users are expressing opinions about the sub-event "being banned" rather than the main event "restarting the livestream."

If opinions are annotated, the sentiment is directed at the sub-event. In some cases, user opinions on the main event and sub-event may differ. For example:

- Sub-event: "The livestream room was banned" (sentiment: **support**).
- Main event: "Restarting the livestream" (no explicit sentiment polarity, but it can be inferred that users are opposed to it, sentiment: **positive**).

Solution:

A link relationship can be added between opinions and events to associate them. For sentiment polarity, only consider explicit opinions for now. Implicit opinions requiring inference are difficult to annotate and challenging for machines to recognize.

7. Determining Sentiment for Criticism of Partial Arguments in an Event

12月6日至8日, 武汉黄女士在社交平台个人主页连发3个视频, 实名举报自己前夫武汉大学人民医院胰腺外科主任医师、武汉大学教授汤某某 Associate。12月8日下午, 武汉大学宣传部工作人员回应上游新闻(爆料邮箱: baoliaosy163.com)记者称: “学校已掌握举报情况, 学校纪委将介入调查。”上游新闻记者从视频中看到, 黄姓女子对着镜头手持身份证实名举报自己前夫: “现实名举报武汉大学人民医院胰腺外科主任医师、武汉大学教授汤某某常年嫖娼并包养情人, 通宵达旦赌博, 不顾次日病人手术, 引发多起医疗事故, 收受药商医疗回扣……收取病人红包。”黄女士这段视频长达3分钟。据医院官网介绍, 汤某某为肝胆外科(东院)医学博士, 教授、主任医师, 博士生导师, 德国慕尼黑工业大学、德国鲁尔大学高级访问学者, 肝胆外科副主任, 重点专研肝胆胰脾外科、腔镜外科等。(上游新闻记者 冯盛雍) O上游新闻<sep>妈呀不仅有辱师德而且还是干违法的事 好好查查吧 拿自己的身份来实名举报 好大的勇气<sep>这!!!! 震惊我三观! 这种人能教书育人吗? 严惩不贷!<sep>现在的教授五毒俱全啊, 什么事都有啊, 这样的教授教学也会误人子弟.<sep>这个实名举报的内容好令人震惊, 如果为真, 这个教授不仅没有医德师德, 连做人最基本的原则都丧失了<sep>让子弹飞一会儿, 等后续调查, 说不准有没有反转实名jb真的很勇敢啊, 如果实锤了, 请严惩这种违法乱纪有辱师德的学术败类<sep>既然敢实名举报, 就肯定有事! 一个女性, 不会把本属于自己的隐私拿出来对外大肆宣传, 更不会拿自己已经怀孕的孩子拿出来说话, 除非忍无可忍, 到了严重无法挽回的地步。这种社会败类必须严惩, 让社会正气永存, 更多家庭和睦, 让名人效应朝着社会进步的方向引导和发展!<sep>越是大笔直的圈子腐败越是远超越想象, 毕竟白嫖的腐败。。。<sep>又是叫兽又是医生, 这样的叫兽能教书育人, 这样的医生能救死扶伤? 还是好好自学点养生之道吧, 放弃对医生崇高的幻想.<sep>我觉得男的应该挺有才华, 否则凭这个长相能收获网红脸媳妇也挺难的.<sep>12月6日至8日, 武汉黄女士在社交平台个人主页连发3个视频, 实名举报自己前夫武汉大学人民医院胰腺外科主任医师、武汉大学教授汤某某引发关注。12月8日下午, 武汉大学宣传部工作人员回应上游新闻记者称: “学校已掌握举报情况, 学校纪委将介入调查。”上游新闻记者从视频中看到, 黄姓女子对着镜头手持身份证实名举报自己前夫: “现实名举报武汉大学人民医院胰腺外科主任医师、武汉大学教授汤某某常年嫖娼并包养情人, 通宵达旦赌博, 不顾

Example:

The main event is "Ms. Huang reports her ex-husband," while user comments mostly criticize the behavior of the ex-husband.

Personal View:

If users express opinions on the main event (or both the main event and sub-events), annotate the sentiment polarity directly based on their expression regarding the main event. If the opinion targets a sub-event, further discussion is required to decide how to annotate it.

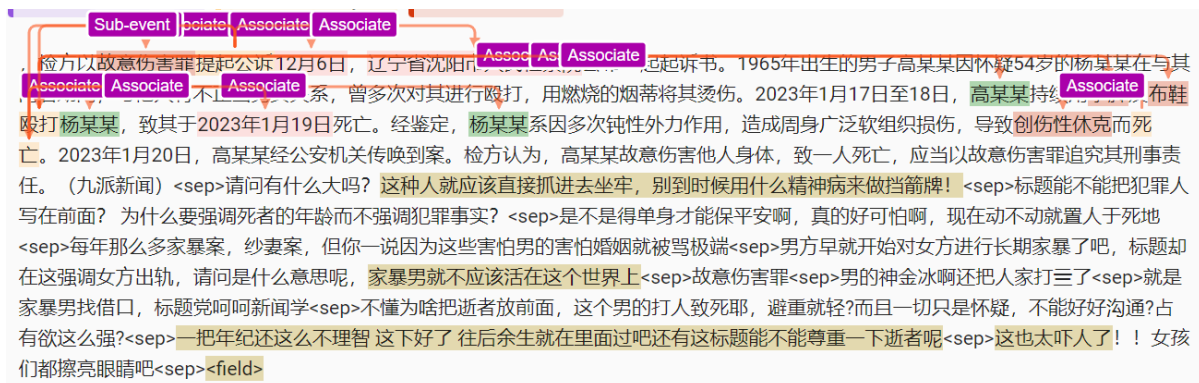
Annotation Approach:

The annotation approach is the same as previously described.

8. Determining Sentiment Polarity When Comments Target a Sub-Event

Question:

When an event contains multiple sub-events, and user comments focus on a specific sub-event, how should the sentiment polarity of the opinion be determined? Is it possible to infer the sentiment polarity for the entire event based on the sub-event's polarity?



Example:

- **Main Event:** "The court initiated prosecution."
- **Sub-Events:**
 1. "Gao assaulted Yang."
 2. "Yang died from traumatic shock."

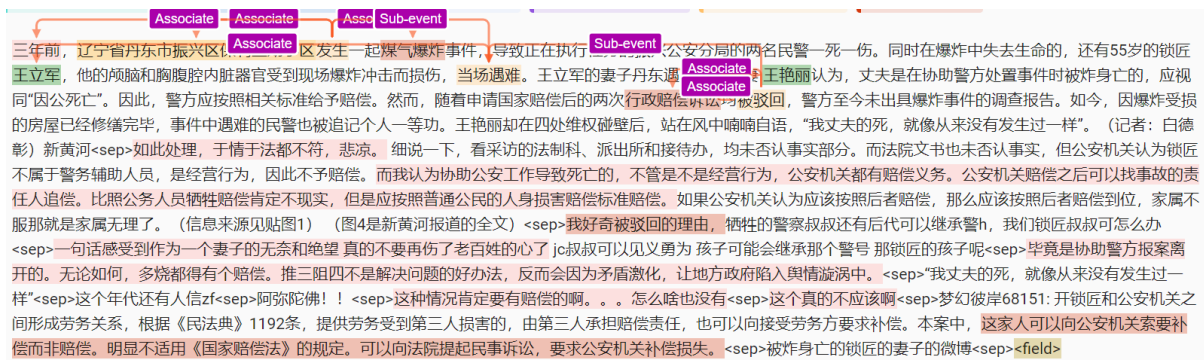
User comments typically evaluate the actions of the individual (e.g., "Gao") rather than the main event (e.g., the court's prosecution). For instance:

- A comment like "They should just throw him in jail" could indicate support for the court's decision to prosecute.

Annotation Approach:

The annotation approach is the same as previously discussed:

- Use the sentiment polarity of the sub-event to infer the sentiment towards the main event.
- Link opinions to the trigger words of the corresponding events to establish the relationship between them.
- Annotate the inferred sentiment for the main event (e.g., **support** in this example).



Additional Example:

- **Main Event:** "A gas explosion occurred."
- **Sub-Events:**
 1. "Wang Lijun died on the spot."
 2. "The administrative compensation lawsuit was dismissed."

User comments are directed at the sub-event "The administrative compensation lawsuit was dismissed," while the main event is an objective disaster. In this case, the primary focus of the entire event chain is the sub-event "The administrative compensation lawsuit was dismissed."

Annotation:

The sentiment polarity should be determined based on the user's opinion regarding the sub-event "The administrative compensation lawsuit was dismissed."

9. Temporal Arguments:

For ambiguous time expressions like "recently," should they be annotated?

Answer:

- Exact amounts (e.g., "11742.36 yuan," "over ten thousand yuan") can be annotated.
- Events should be annotated with precise temporal information, while ambiguous time expressions should not be annotated.

10. Difficult-to-Determine Sentiment Polarity:

For phrases like "Shenmei Group issued a statement" and "exited the Chinese market," user opinions often sarcastically imply that the announcement was made out of necessity. Should the sentiment polarity be annotated as "support" or "oppose"?

Field##Entertainment d Field##Politics f Field##Disaster g Field##Business z Field##Military x Field##Else c

Associate Sub-event Associate

据时代周报消息, papa recipe (春雨) 的中国市场代理商伸美集团发布一则“关于papa recipe品牌中国区停止运营”的公告。作为第一批进入中国市场的韩妆品牌, 春雨曾红极一时。但随着国货美妆崛起, 中式审美开始影响更多年轻消费者, 日韩审美不再成为消费主流。据韩国保健产业振兴院数据统计, 2023年Q1, 韩国对中国的基础化妆品出口额为5.1亿美元, 同比减少18.6; 而彩妆在中国的出口额则减少28.6至0.7亿美元。具体到韩妆企业来看, 据爱茉莉太平洋集团财报显示, 在Q1其亚洲地区销售额下跌27, 其中中国市场的销售额下滑40以上; 谜尚母公司Able CC的财报则显示, Q1中国市场销售额为8.95亿韩元, 仅占总收入的1.4。<sep>这不叫退出吧, 这叫被市场淘汰了<sep>说到韩国的东西, 好像只能想到火鸡面了, 春雨面膜没听过, 但是有人说挺好用的<sep>本来就不觉得好用<sep>退出市场那是主动退出 你这是属于被别家更好的品牌代替 被迫淘汰出中国市场<sep>用过 感觉一般 它水很对 贴脸上不舒服 就一直有水在往下滴 而且感觉里面很多水<sep>有听过没用过, 能被淘汰说明东西也不怎么样, 国货崛起。<sep>没觉得好用。<sep>可以, 来去自由吧, 欢迎更多自家的好用的出来啊, 你好我好大家好<sep>没听过, 也没用过 退就退呗<sep>从目前的经济发展来看, 中国经济到了海外扩张的高潮期了。往海外走有三波, 一波是中国制造, 早就有了。一波是中国品牌, 处于ing状态, 本来这个过程应该很长, 不过也通过收购什么的, 搞了快速扩张, 用压缩时间的方式快走。然后这是第三波, 平台往外走, 过去一般是美国才有这个资格的, 其他国家做不来这个, 现在中国也能做了。这是IOS韩国排行榜, 拼多多阿里的速卖通。瞄了一下韩国人的留言, 大致分为这几类: 第一类是表示中国平台价廉物美的。第二类是为韩国就业以及韩国企业表示担忧, 要求支持国货的。第三类表示那些在进口中国货然后翻几倍卖给韩国人的企业, 就应该死一死。还有, 人民币被低估的太厉害了。<sep>这难道不是被迫离开中国市场吗 有更好用性价比更高的国货当然不会考虑你<sep><field>

Answer:

- Sentiment polarity should be determined based on the result. Since users generally agree with the company's exit from the Chinese market, the sentiment should be annotated as **"support"** even if the semantics feel counterintuitive.

- Scope of trigger words: In "An incident of a gas explosion occurred", "occurred" is the trigger word, while "gas explosion" can be considered as the event argument. If "an incident of" is removed, resulting in "A gas explosion occurred", does the trigger word change to " gas explosion occurred" instead of just "occurred"?

Without considering discontinuous trigger words and given that "occurred" is a light verb, it is not used alone as an event trigger. In this example, it is possible to label either " gas explosion occurred" or "gas explosion".

- "During the period from January 1, 2019, to October 21, 2021," treat "from January 1, 2019, to October 21, 2021" as a single event argument (temporal entity) for annotation.