2019/8/20 11.爬取今日头条Ajax电影数据

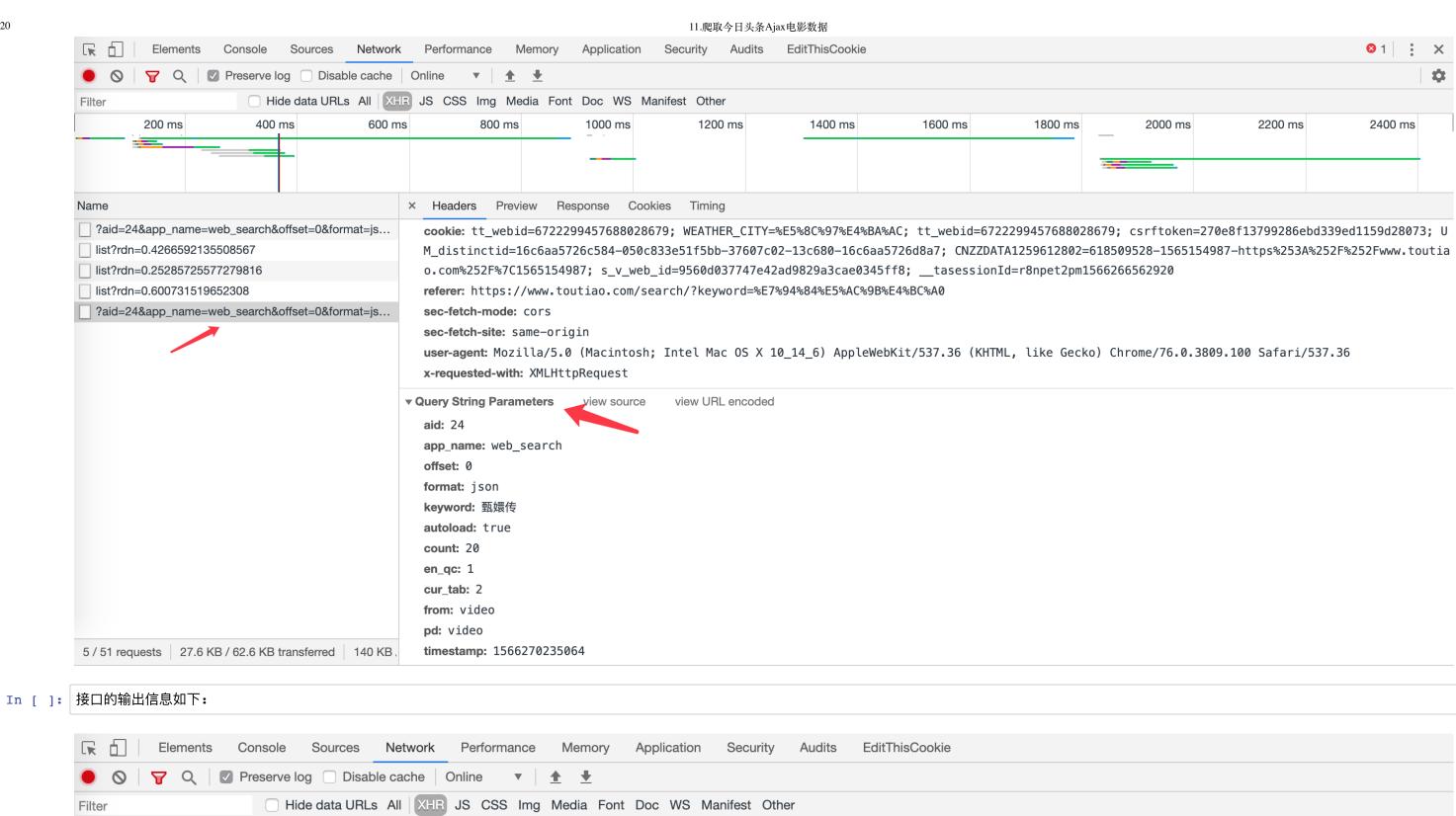
## 爬取今日头条Ajax新闻数据

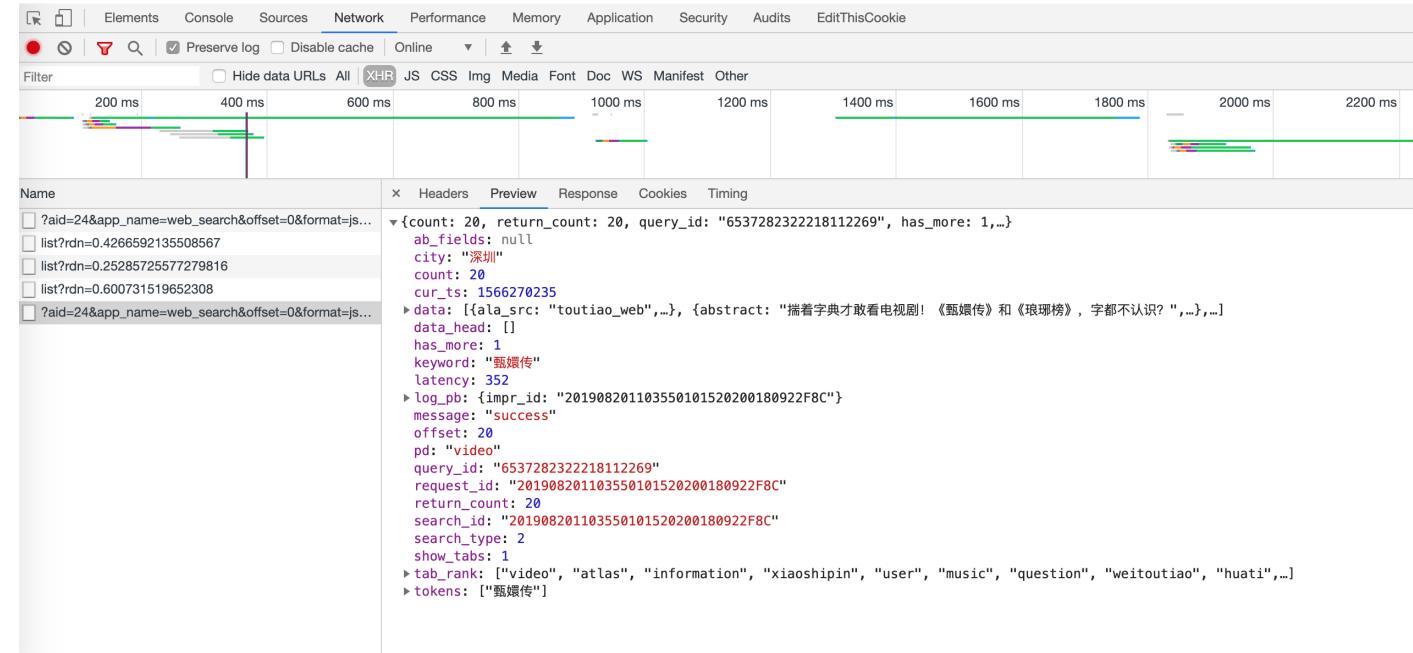
本例在今日头条网页端中爬取指定的短视频。通过浏览器头条视频中搜索电视剧甄嬛传片段,可以得到以下内容:



```
→ C ① view-source:toutiao.com/search/?keyword=甄嬛传
   src="//s3.pstatp.com/toutiao/resource/ntoutiao_web/static/js/common/lib_d2cb17c.js" crossorigin="anonymous"></script><link rel="stylesheet"</pre>
  href="//s3b.pstatp.com/toutiao/resource/ntoutiao_web/page/search/search_840cf4b.css" /></head><body style="min-width: 768px; overflow-x: hidden;"><a
   href="/articles_news_society/" style="display:none;"></a><div class="y-wrap"><div id="header"><div riot-tag="wtopbar" style="height: 34px; background: #222;"></div></div></div><div
   riot-tag="login"></div><div id="toast"></div><div class="y-box container"><div class="y-left index-left"><a class="logo-wrap" href="//www.toutiao.com/"><img
   src="//s3.pstatp.com/toutiao/resource/ntoutiao_web/static/image/logo_271e845.png" alt=""></a></div><div class="y-left index-middle"><div riot-tag="searchBar"></div><div riot-
   tag="tabBar"></div><div riot-tag="feedBox"></div><div class="y-right index-right"></div><div riot-tag="verify"></div><div id="footer"><div><span class="fitem">©
  2019 今日头条 </span><a class="fitem" href="http://www.12377.cn/" target="_blank">中国互联网举报中心</a><a class="fitem" href="http://www.miibeian.gov.cn/" target="_blank">京ICP证
   140141号</a><a class="fitem" href="http://www.miibeian.gov.cn/" target="_blank">京ICP备12025439号-3</a><a class="fitem" href="http://www.beian.gov.cn/portal/registerSystemInfo?"
   recordcode=11000002002023 target= blank ga event= click about ><img src= //s3.pstatp.com/toutiao/resource/ntoutiao web/static/image/gongan d0289dc.png >京公网安备
  11000002002023号
          </a></div><div><a class="fitem" href="/license/" class="icp" target=" blank">网络文化经营许可证</a><a class="fitem" href="/a3642705768/" target=" blank">跟帖评论自律管理承诺
2
   书</a><span class="fitem">违法和不良信息举报电话: 400-140-2108</span><span class="fitem">公司名称: 北京字节跳动科技有限公司</span></div></div></div></div><script>
          window.globals = window.globals || {};
5
          window.taAnalysis && taAnalysis.setup({
6
            c: '/search/'
7
8
          window.taAnalysis && taAnalysis.send('pageview', {});
9
          utils.on(document.getElementsByTagName('body')[0], 'click', function(e) {
10
11
               var target = utils.getTarget(e),
12
                  ga_event,
13
                  ga_category,
14
                  ga_label,
15
                  ga_value;
16
               while(target && target.nodeName.toUpperCase() !== 'BODY') {
17
18
                  ga_event = utils.getAttribute(target, 'ga_event');
                  ga_category = utils.getAttribute(target, 'ga_category') || '/search/';
19
20
                  ga_label = utils.getAttribute(target, 'ga_label');
21
                  ga_value = utils.getAttribute(target, 'ga_value') || 1;
22
23
                  ga_event && window._czc && _czc.push(["_trackEvent", ga_category, ga_event, ga_label, ga_value]);
24
                  ga_event && taAnalysis && taAnalysis.send('event', { ev: ga_event });
25
                  target = target.parentNode;
26
27
          });
28
```

通过网页调试工具我们可以看到, 视频数据的获取是通过调用API传递相关参数得到的.





## In [ ]: di过处理接口返回的JSON数据,可以从中提取出短视频的名称以及播放地址等信息.

示例代码:

```
11.爬取今日头条Ajax电影数据
In [2]: #coding:utf8
        import json
        import requests
        def get_toutiao_movie(offset, content):
            data = {
                "aid": 24,
                'app_name': "web_search",
                "offset": offset,
                "format": "json",
                "keyword": content,
                "autoload": "true",
                "count": 20,
                "en_qc": 1,
                "cur_tab": 1,
                "from": "video",
                "pd": "video",
                "timestamp": 1566266654534
            }
            headers = {
                 "authority": "www.toutiao.com",
                "method": "GET",
                "path": "/api/search/content/?aid=24&app_name=web_search&offset=0&format=json&keyword=%E7%94%84%E5%AC%9B%E4%BC%A0&autoload=true&count=20&en_qc=1&cur_tab=1&from
                "scheme": "https",
                "accept": "application/json",
                "accept-encoding": "gzip, deflate, br",
                "accept-language": "zh-CN, zh; q=0.9, en; q=0.8",
                 "content-type": "application/x-www-form-urlencoded",
                 "cookie": "tt webid=6722299457688028679; WEATHER CITY=%E5%8C%97%E4%BA%AC; tt webid=6722299457688028679; csrftoken=270e8f13799286ebd339ed1159d28073; UM distinct
                "referer": "https://www.toutiao.com/search/?keyword=%E7%94%84%E5%AC%9B%E4%BC%AO",
                "sec-fetch-mode": "cors",
                "sec-fetch-site": "same-origin",
                "user-agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/76.0.3809.100 Safari/537.36",
                "x-requested-with": "XMLHttpRequest",
            url = "https://www.toutiao.com/api/search/content/"
            resp = requests.get(url, params=data, headers=headers)
            if resp.status_code == 200:
                return resp.json()
            else:
                return {}
        def get_movie_result(message):
            result = {}
            for items in message.get("data", []):
                title = items.get("abstract")
                url = items.get("article_url")
                if not any([title is None, url is None]):
                    result[title] = url
            return result
        def main():
            api_json = get_toutiao_movie(0, "甄嬛传")
            result = get_movie_result(api_json)
            for (k, v) in result.items():
                print(k, v)
        if __name__ == '__main__':
            main()
```

揣着字典才敢看电视剧!《甄嬛传》和《琅琊榜》,字都不认识? http://toutiao.com/group/6726018994840535555/ (http://toutiao.com/group/6726018994840535555/) 甄嬛传: 甄嬛到死不知,雍正为啥要把淳儿养到17岁,才开始宠幸她 http://toutiao.com/group/6726872061970481672/ (http://toutiao.com/group/6726872061970481672/) 甄嬛传: 玉娆到底有多瞧不起纯元? 雍正不会想到,可甄嬛心里明白 http://toutiao.com/group/6726872034191606280/ (http://toutiao.com/group/6726872034191606280/) 甄嬛传: 敬妃背叛甄嬛的事,谁知甄嬛竟将胧月交给她抚养,好计谋 http://toutiao.com/group/6726796105180250631/ (http://toutiao.com/group/6726796105180250631/) 甄嬛传: 甄嬛生下龙凤胎, 苏培盛主动讨赏, 不料皇上给了他惊喜 http://toutiao.com/group/6726805488249356814/ (http://toutiao.com/group/6726805488249356814/) 甄嬛传: 甄嬛看见祺嫔脖子上的东西,才知那是麝香,还是皇后赏的 http://toutiao.com/group/6726798870673621507/ (http://toutiao.com/group/6726798870673621507/) 甄嬛传: 祺贵人为何是光着脚逃出冷宫的? http://toutiao.com/group/6726850264453612039/ (http://toutiao.com/group/6726850264453612039/) 甄嬛传谁看懂了华妃这几粒药下去,为何这三人的表情都变 http://toutiao.com/group/6726854892121489932/ (http://toutiao.com/group/6726854892121489932/) 甄嬛传:皇上早就在甄嬛身边安插亲信,甄嬛却不知,幸好有苏培盛 http://toutiao.com/group/6726402118988595726/ (http://toutiao.com/group/6726402118988595726/) 甄嬛传: 苏培盛是真心对槿汐,在皇上面前落泪,皇上的反应也真逗 http://toutiao.com/group/6726799666609963527/ (http://toutiao.com/group/6726799666609963527/) 甄嬛传: 剧中的她,得罪了甄嬛和皇后,却还能一直笑到最后 http://toutiao.com/group/6726447207362331143/ (http://toutiao.com/group/6726447207362331143/) 甄嬛传: 甄嬛一回宫就痛杀后宫不良风气,此举连太后都说好,霸气 http://toutiao.com/group/6726801008762028551/ (http://toutiao.com/group/6726801008762028551/) 《甄嬛传》"娘娘们"集体亮相,蒋欣的话成亮点,你最喜欢哪一个 http://toutiao.com/group/6726527455898632711/ (http://toutiao.com/group/6726527455898632711/) 甄嬛传: 甄嬛得知流朱死讯, 悲痛不已, 竟对自己下这样的狠手 http://toutiao.com/group/6726394780093252104/ (http://toutiao.com/group/6726394780093252104/) 甄嬛传:果郡王甄嬛死别时,皇上不派人偷听,这2点原因很可悲! http://toutiao.com/group/6727057577714123271/ (http://toutiao.com/group/6727057577714123271/) 甄嬛传: 槿汐苏培盛对食一事被东窗事发,甄嬛无奈,只得向她求助 http://toutiao.com/group/6726720035768762888/ (http://toutiao.com/group/6726720035768762888/)