**知乎数据说明**

**PART I： 回答**

I.以 Zhihu 用户 sgai为例：

**https://www.zhihu.com/people/sgai/answers**

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II. sgai 回答的问题

[**https://www.zhihu.com/api/v4/members/sgai/answers?include=data%5B\*%5D.is\_normal%2Csuggest\_edit%2Ccomment\_count%2Ccan\_comment%2Ccontent%2Cvoteup\_count%2Creshipment\_settings%2Ccomment\_permission%2Cmark\_infos%2Ccreated\_time%2Cupdated\_time%2Crelationship.is\_authorized%2Cvoting%2Cis\_author%2Cis\_thanked%2Cis\_nothelp%2Cupvoted\_followees%3Bdata%5B\*%5D.author.badge%5B%3F(type%3Dbest\_answerer)%5D.topics&offset=0&limit=20&sort\_by=created**](https://www.zhihu.com/api/v4/members/sgai/answers?include=data%5B*%5D.is_normal%2Csuggest_edit%2Ccomment_count%2Ccan_comment%2Ccontent%2Cvoteup_count%2Creshipment_settings%2Ccomment_permission%2Cmark_infos%2Ccreated_time%2Cupdated_time%2Crelationship.is_authorized%2Cvoting%2Cis_author%2Cis_thanked%2Cis_nothelp%2Cupvoted_followees%3Bdata%5B*%5D.author.badge%5B%3F(type%3Dbest_answerer)%5D.topics&offset=0&limit=20&sort_by=created)

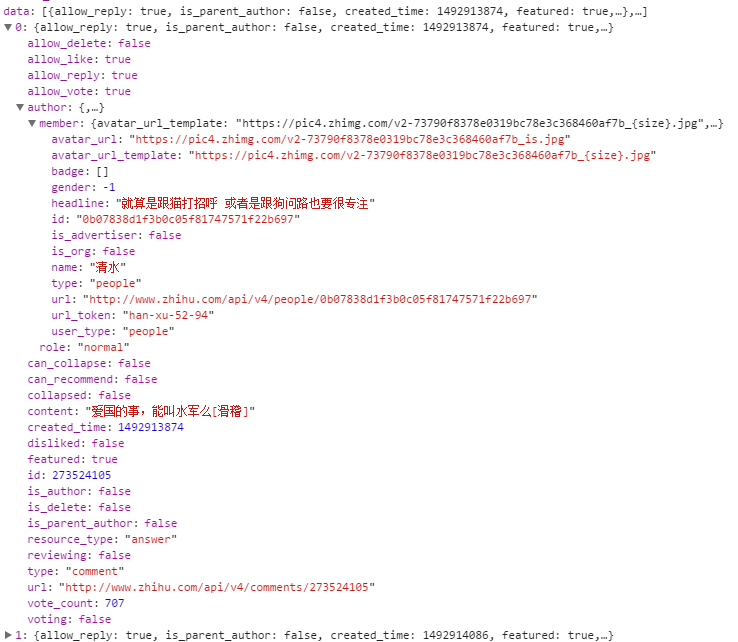
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**所需变量：（黄色是重点变量）**

1. author:
   1. avatar\_url:"https://pic3.zhimg.com/958a18f3216805bed269d158fb83325a\_is.jpg"
   2. avatar\_url\_template:"https://pic3.zhimg.com/958a18f3216805bed269d158fb83325a\_{size}.jpg"
   3. badge:[]
   4. gender:1
   5. headline:"喜欢用数据讲故事。"
   6. id:"eaf435b228ce0b038a4afe8203f59b49"
   7. is\_advertiser:false
   8. is\_org:false
   9. name:"路人甲"
   10. type:"people"
   11. url:"http://www.zhihu.com/api/v4/people/eaf435b228ce0b038a4afe8203f59b49"
   12. url\_token:"sgai"
   13. user\_type:"people"
2. can\_comment:{status: true, reason: ""}
3. comment\_count:222
4. comment\_permission:"all"
5. content:"<p>有水军是肯定的，就在昨天晚上我还在打算研究闪存门水军数量。</p><p>但是当我千方百计想找到水军的时候，我发现事情可能没有我想像的那么简单。。。
6. created\_time:1492913559
7. excerpt:"有水军是肯定的，就在昨天晚上我还在打算研究闪存门水军数量。但是当我千方百计想找到水军的时候，我发现事情可能没有我想像的那么简单。1、知乎知乎应该是这次事件的第三战场，据说华为请了很多水军来洗地，比如说下面的疑似水军用户： 此截图来自用于：<a href="https://www.zhihu.com/question/58645911/answer/158637598" class="internal">如…</a>"
8. extras:""
9. id:159704278
10. is\_collapsed:false
11. is\_copyable:true
12. is\_normal:true
13. mark\_infos:[]
14. question:
    1. created:1491788169
    2. id:58271108
    3. question\_type:"normal"
    4. title:"都说华为有水军，是真的有水军吗？"
    5. type:"question"
    6. updated\_time:1492975328
    7. url:"http://www.zhihu.com/api/v4/questions/58271108"
15. reshipment\_settings:"allowed"
16. type:"answer"
17. updated\_time:1492938419
18. url:"http://www.zhihu.com/api/v4/answers/159704278"
19. voteup\_count:2499

III. sgai 回答的问题的评论

[https://www.zhihu.com/api/v4/answers/159704278/comments?include=data%5B\*%5D.author%2Ccollapsed%2Creply\_to\_author%2Cdisliked%2Ccontent%2Cvoting%2Cvote\_count%2Cis\_parent\_author%2Cis\_author&order=normal&limit=20&offset=0&status=open](https://www.zhihu.com/api/v4/answers/159704278/comments?include=data%5B*%5D.author%2Ccollapsed%2Creply_to_author%2Cdisliked%2Ccontent%2Cvoting%2Cvote_count%2Cis_parent_author%2Cis_author&order=normal&limit=20&offset=0&status=open)



**所需变量：**

* 1. allow\_delete:false
  2. allow\_like:true
  3. allow\_reply:true
  4. allow\_vote:true
  5. author:
     1. member:{avatar\_url\_template: "https://pic4.zhimg.com/v2-73790f8378e0319bc78e3c368460af7b\_{size}.jpg",…}
        1. avatar\_url:"https://pic4.zhimg.com/v2-73790f8378e0319bc78e3c368460af7b\_is.jpg"
        2. avatar\_url\_template:"https://pic4.zhimg.com/v2-73790f8378e0319bc78e3c368460af7b\_{size}.jpg"
        3. badge:[]
        4. gender:-1
        5. headline:"就算是跟猫打招呼 或者是跟狗问路也要很专注"
        6. id:"0b07838d1f3b0c05f81747571f22b697"
        7. is\_advertiser:false
        8. is\_org:false
        9. name:"清水"
        10. type:"people"
        11. url:"http://www.zhihu.com/api/v4/people/0b07838d1f3b0c05f81747571f22b697"
        12. url\_token:"han-xu-52-94"
        13. user\_type:"people"
     2. role:"normal"
  6. can\_collapse:false
  7. can\_recommend:false
  8. collapsed:false
  9. content:"爱国的事，能叫水军么[滑稽]"
  10. created\_time:1492913874
  11. disliked:false
  12. featured:true
  13. id:273524105
  14. is\_author:false
  15. is\_delete:false
  16. is\_parent\_author:false
  17. resource\_type:"answer"
  18. reviewing:false
  19. type:"comment"
  20. url:"http://www.zhihu.com/api/v4/comments/273524105"
  21. vote\_count:707
  22. voting:false

IV. sgai 回答的问题的点赞

[https://www.zhihu.com/api/v4/answers/159704278/voters?include=data%5B\*%5D.answer\_count%2Carticles\_count%2Cfollower\_count%2Cgender%2Cis\_followed%2Cis\_following%2Cbadge%5B%3F(type%3Dbest\_answerer)%5D.topics&offset=0&limit=10](https://www.zhihu.com/api/v4/answers/159704278/voters?include=data%5B*%5D.answer_count%2Carticles_count%2Cfollower_count%2Cgender%2Cis_followed%2Cis_following%2Cbadge%5B%3F(type%3Dbest_answerer)%5D.topics&offset=0&limit=10)

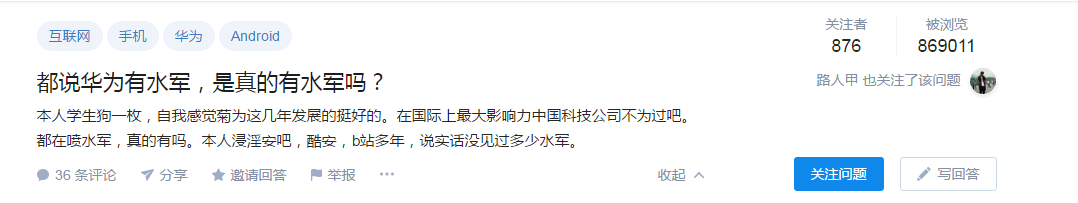


**所需变量：**

1. answer\_count:16
2. articles\_count:1
3. avatar\_url:"https://pic1.zhimg.com/d1fc837fbf5ae01430b149fddfedb5dc\_is.jpg"
4. avatar\_url\_template:"https://pic1.zhimg.com/d1fc837fbf5ae01430b149fddfedb5dc\_{size}.jpg"
5. badge:[]
6. follower\_count:47
7. gender:1
8. headline:"兴趣广泛"
9. id:"ed035137da7ecd7a75fc1f2a2c6a21d3"
10. is\_advertiser:false
11. is\_org:false
12. name:"凯凯"
13. type:"people"
14. url:"http://www.zhihu.com/api/v4/people/ed035137da7ecd7a75fc1f2a2c6a21d3"
15. url\_token:"zhang-lai-20"
16. user\_type:"people"

V. sgai 回答的问题的页面去拿它的TAG

[**https://www.zhihu.com/question/58271108**](https://www.zhihu.com/question/58271108)

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[**https://www.zhihu.com/question/58271108/log**](https://www.zhihu.com/question/58271108/log)

**去到问题日志拿到问题的提问者是谁**



**所需变量：**

1. 问题标题: 都说华为有水军，是真的有水军吗？
2. 问题内容: 本人学生狗一枚，自我感觉菊为这几年发展的挺好的。在国…
3. 问题tag: 互联网，手机，华为，Android (名字及其tag\_id)
4. 关注者数量:876
5. 被浏览数量: 869011
6. 该问题添加时间：
7. 提问者知乎ID：
8. 提问者知乎url\_token:
9. 提问者其他个人信息：（如上图）

VI. sgai 回答的问题的其他回答

[**https://www.zhihu.com/api/v4/questions/58271108/answers?include=data%5B\*%5D.is\_normal%2Cis\_sticky%2Ccollapsed\_by%2Csuggest\_edit%2Ccomment\_count%2Ccan\_comment%2Ccontent%2Ceditable\_content%2Cvoteup\_count%2Creshipment\_settings%2Ccomment\_permission%2Cmark\_infos%2Ccreated\_time%2Cupdated\_time%2Crelationship.is\_authorized%2Cis\_author%2Cvoting%2Cis\_thanked%2Cis\_nothelp%2Cupvoted\_followees%3Bdata%5B\*%5D.author.badge%5B%3F(type%3Dbest\_answerer)%5D.topics&offset=3&limit=20&sort\_by=default**](https://www.zhihu.com/api/v4/questions/58271108/answers?include=data%5B*%5D.is_normal%2Cis_sticky%2Ccollapsed_by%2Csuggest_edit%2Ccomment_count%2Ccan_comment%2Ccontent%2Ceditable_content%2Cvoteup_count%2Creshipment_settings%2Ccomment_permission%2Cmark_infos%2Ccreated_time%2Cupdated_time%2Crelationship.is_authorized%2Cis_author%2Cvoting%2Cis_thanked%2Cis_nothelp%2Cupvoted_followees%3Bdata%5B*%5D.author.badge%5B%3F(type%3Dbest_answerer)%5D.topics&offset=3&limit=20&sort_by=default)

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**所需变量：同II. sgai 回答的问题**

**PART II： 提问**

VII. 知乎用户 meng-de-er 的提问

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[**https://www.zhihu.com/api/v4/members/meng-de-er/questions?include=data%5B\*%5D.created%2Canswer\_count%2Cfollower\_count%2Cauthor&offset=20&limit=20**](https://www.zhihu.com/api/v4/members/meng-de-er/questions?include=data%5B*%5D.created%2Canswer_count%2Cfollower_count%2Cauthor&offset=20&limit=20)

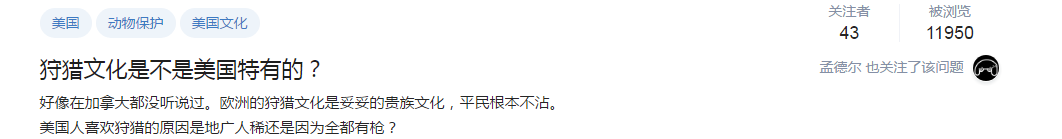


**所需变量:**

1. answer\_count:18
2. author:
   1. avatar\_url:"https://pic1.zhimg.com/v2-85d1e14f6d36d465fa4d352224739e74\_is.jpg"
   2. avatar\_url\_template:"https://pic1.zhimg.com/v2-85d1e14f6d36d465fa4d352224739e74\_{size}.jpg"
   3. badge:
      1. 0:{type: "best\_answerer", description: "优秀回答者"}
   4. gender:1
   5. headline:"不玩游戏的游戏迷"
   6. id:"5b4c4c40369aa3294b09f8e4bd715f23"
   7. is\_advertiser:false
   8. is\_org:false
   9. name:"孟德尔"
   10. type:"people"
   11. url:"http://www.zhihu.com/api/v4/people/5b4c4c40369aa3294b09f8e4bd715f23"
   12. url\_token:"meng-de-er"
   13. user\_type:"people"
3. created:1489721199
4. follower\_count:43
5. id:57227142
6. question\_type:"normal"
7. title:"狩猎文化是不是美国特有的？"
8. type:"question"
9. updated\_time:1489721199
10. [url:"http://www.zhihu.com/api/v4/questions/57227142](url:%22http://www.zhihu.com/api/v4/questions/57227142)"

VIII. 知乎用户 meng-de-er 该提问（57227142）的TAG

<https://www.zhihu.com/question/57227142>



方法同**V. sgai回答的问题的页面去拿它的TAG**

**区别：不需要去** [**https://www.zhihu.com/question/57227142/log**](https://www.zhihu.com/question/58271108/log)**问题日志拿到问题的提问者是谁，已知**

VIIII. 知乎用户 meng-de-er 该提问（57227142）的所有回答

方法同 **VI. sgai 回答的问题的其他回答**