任务

一个由10000条Instagram帖子组成的csv表格。通过数据分析和爬虫,进行数据清理,并载入其他参数。

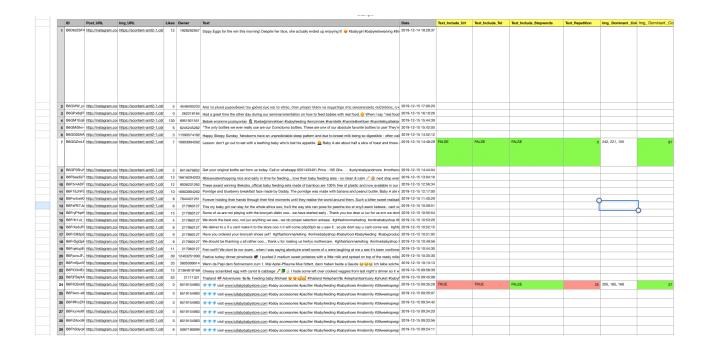
具体步骤

第一阶段:数据清理

根据以下参数,删除条目,并将剩下的帖子生成一个新的csv。

参数	定义	lf,则删除此条目	代码参考
Text_Include_Url	"Text"中是否含有网址	TRUE	
Text_Include_Tel	"Text"中是否含有电话	TRUE	
Text_Include_Stopwor ds	"Text"中是含有 "stopwords.txt"中的词条	TRUE	
Text_Repetition	同一个"Text"是否重复 >=2次	TRUE	
Img_ Dominant _Color_RGB	"Img_URL"链接到的图 片,其主导颜色色值 (r,g,b)		https:// adamspannbauer.github. io/2018/03/02/app-icon- dominant-colors/
Img_ Dominant _Color_Difference	rgb中最大值与最小值 的差值=a	a>150	

见下图: 出现红色代表需要删除该条目



第二阶段: 帖子分析

对于新scv,分析其每条条目,补全以下参数:

		定义	示例	代码参考
	Img_ Dominant _Color_RGB	保留已经填好的数据	242, 221, 155	
文本分析	Text_Emoji	"Text"中含有的 Emoji		
	Text_Emoji_N umber	统计"Text_Emoji"的 数量	1	
	Text_Hashtag s	"Text"中含有的 hashtag,用";"隔开	#weaning; #blw; #blw10months; #baby; #babyled; #babyledweaning; #babyledweaningideas; #blwideas; #babyledweaning10months; #babyledweaninguk; #weaningjourney; #weaningbaby; #babyfood; #babyfoodideas; #babyfeeding; #babymeals; #whatifeedmybaby; #breastfedbaby; #food; #lunch; #blwlunch; #eatingout	

	定义	示例	代码参考
Text_NoHash tag	"Text"中去掉 hashtag余下的文本	Lesson: don't go out to eat with a teething baby who's lost his appetite. Baby A ate about half a slice of toast and threw about half an egg to the floor before we gave up. Sigh. At least the staff at @crystalrockscafe were lovely as ever (and Mummy and Daddy enjoyed their meals!).	
Text_NoHash tag_Length	"Text_NoHashtag" 字数	55	
Text_NoHash tag_Sentimen t	链接到api,分析每句话的sentiment	Entire Document Score: -0.2 Magnitude: 2.7 "Lesson: don't go out to eat with a teething baby who's lost his appetite." Score: -0.4 Magnitude: 0.4 "Description Baby A ate about half a slice of toast and threw about half an egg to the floor before we gave up." Score: -0.6 Magnitude: 0.6 "Sigh." Score: -0.7 Magnitude: 0.7 "At least the staff at @crystalrockscafe were lovely as ever (and Mummy and Daddy enjoyed their meals!)." Score: 0.9 Magnitude: 0.9	https:// cloud.goo gle.com/ natural- language/ #how- automl- natural- language- works; https:// pypi.org/ project/ vaderSenti ment/
Text_NounPh rases	数据"Text"中含有的 名词		https:// pypi.org/ project/ spacy/
Text_Verbs	数据"Text"中含有的 动词	go; eat; ate; sigh; threw, gave up; enjoyed	
Text_emotion s	数据"Text"中含有的 情感	Lost; lovely; enjoyed	

		定义		代码参考
图片识别	Img_labels	链接到api,分析图片的label	<pre>{ "status": { "code": 200, "msg": "OK" }, "head": { "method": "/predict", "service": "classification_21k", "time": 41 }, "body": { "predictions": [{</pre>	https:// www.deep detect.co m/models/ classificati on_21k/

		定义	示例	代码参考
爬虫	Owner_Acco unt	"Owner"链接到的用户id	another_blw_account	https:// github.co m/ realsirjoe/ instagram- scraper
	Owner_Usern ame	"Owner"链接到的用 户名	Weaning Baby A	
	Owner_Follo wers	"Owner"链接到的用 户粉丝数	614	
	Owner_Posts _Number	"Owner"链接到的帖 子数	487	
	Owner_Intro	"Owner"链接到的用户简介	No fancy photography or bamboo tableware, just a couple of foodie parents trying to figure out BLW with an 11 month old (24.01.19, EBF, 4 teeth).	