

# テキストを用いた 口コミのレーティング予測

# 1. Amazonレビューによるレーティング予測

## 【課題設定】

- レビュー（コメント）情報からレーティング（★の数）を予測したい
- レーティング分類のキーとなる単語を知りたい

Sony X800H 49 Inch TV: 4K Ultra HD Smart LED  
TV with HDR and Alexa Compatibility - 2020  
Model

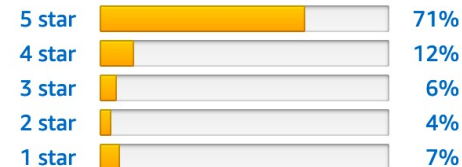


コメントからレーティングを予測するモデルの作成

## Customer reviews

★★★★☆ 4.4 out of 5

233 customer ratings



David



### Wife's Boyfriend Loves It

Reviewed in the United States on April 15, 2020

Size: 55-Inch | Configuration: TV | **Verified Purchase**

So many good things to say about this tv. The quality is great, the apps are fantastic, great for cord cutters with free tv app options. The sound is crisp and clear. Super sturdy legs. My wife catches me starring at the tv legs, it's gotten me in trouble, but she does like the tv, and so does her boyfriend Ronnie. It's a long story.

261 people found this helpful

## 2. データ概要

Amazon.com SonyX800H製品のレイティングとレビュー（コメント）が記載されているページよりデータを抽出。A列にRating、B列にタイトル、C列にレビュー（コメント）が記載されているテーブルを作成します。

### Rating Reviewのテーブル

Top critical review  
See all 31 critical reviews

JQ

☆☆☆☆☆ Audio out cuts off while using apps. Returned

Reviewed in the United States on March 20, 2020

Picture quality is very good. I had to return my unit because the audio output to receiver cuts off. In talking with CS they tell me to "soft-reset" the Unit when this happens. But the frequency of this is just too much to have to power cycle the unit every time. Seems as this is a common issue with the 950G model as well. Not acceptable in my opinion. It is a shame because the display is very good.

David

☆☆☆☆☆ Wife's Boyfriend Loves It

Reviewed in the United States on April 15, 2020

Size: 55-inch Configuration: TV Verified Purchase  
So many good things to say about this tv. The quality is great, the apps are fantastic, great for cord cutters with free tv app options. The sound is crisp and clear. Super sturdy legs. My wife catches me staring at the tv legs, it's gotten me in trouble, but she does like the tv, and so does her boyfriend Ronnie. It's a long story.

261 people found this helpful

Helpful Comment Report abuse

Zachary S

☆☆☆☆☆ Truly Amazing on All Fronts

Reviewed in the United States on April 19, 2020

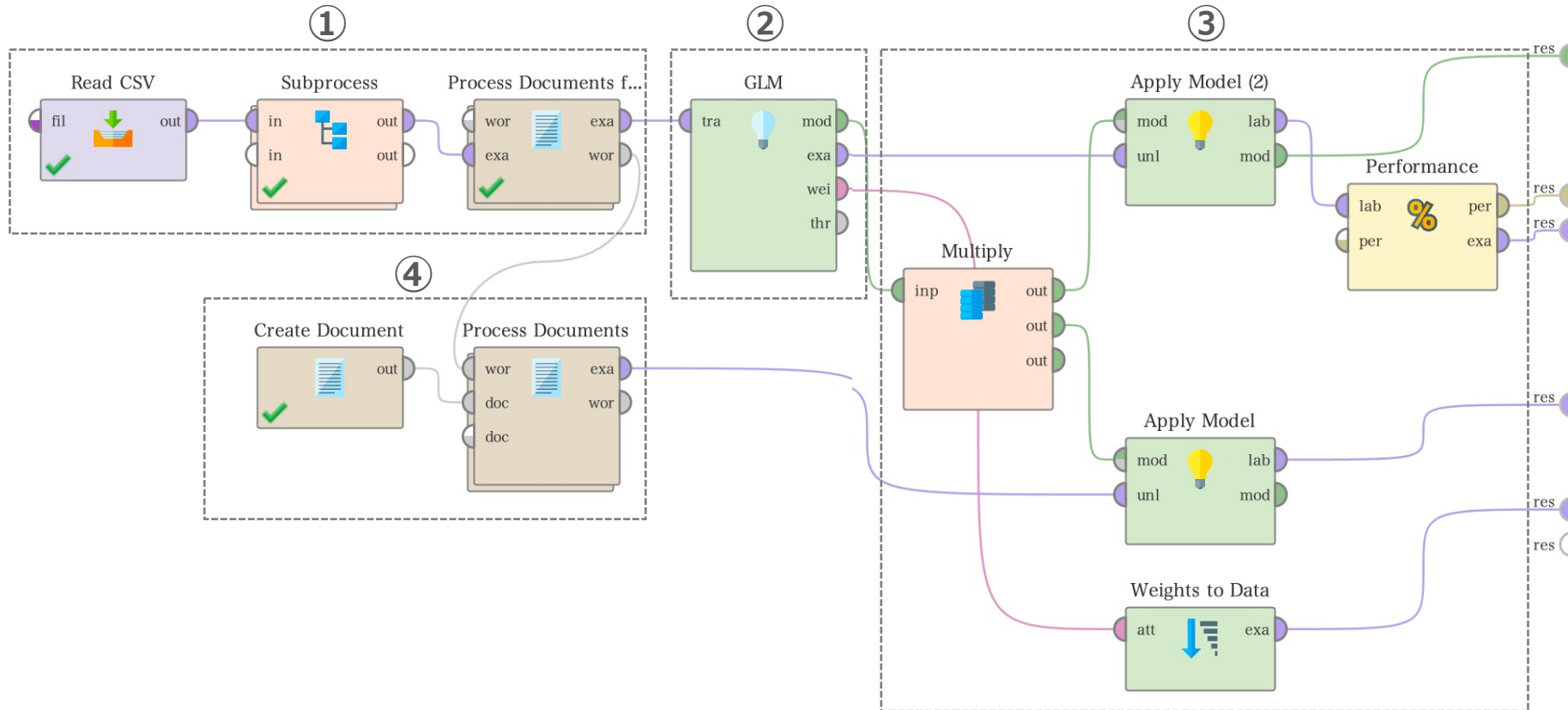
Size: 49-inch Configuration: TV Verified Purchase

A few things to know about me: I have a very high standard for quality, and I'm extremely blunt and critical. So the fact I'm giving this TV a 5/5 the day after trying it out means a lot. I usually wait a month or two - but I've seen enough!



	A	B	
1	Rating★	coment	coment2
2	5	Wife's Boyfriend Loves It	So many good things to say about this tv. The quality is great, the apps are fantastic, great for cord cutters with free tv app options. Th
3	5	Truly Amazing on All Fronts	A few things to know about me: I have a very high standard for quality, and I'm extremely blunt and critical. So the fact I'm giving this T
4	4	Way Too Dark, Colors Are (	We are replacing a gen 2 Sony 40" XBR LCD tv from about 15 years ago that is edge lit by florescent lights. This new 43" LED LCD has
5	4	One big reason only 4 star	I can't tell if it's on purpose or not but Sony slaps the bluetooth logo on the box and then neglects to make it clear that it does not supp
6	4	One "easy" and solid TV w	The picture quality is quite fine, and excellent in a brightly lit room, e.g. when you watch during the daytime with the sun shining into yc
7	3	What as Sony thinking? Li	I really liked this TV except for two design flaws that were deal breakers for me and prompted me to return it. The specs show it having
8	3	I do wish I saw the bright	This is a good solid tv especially if you don't want to buy a Firetv or a box. Delivery was super fast and I like this Sony product. Howeve
9	5	Sony is an excellent TV fo	We really like everything about this TV. It was very easy to put together. We are both in our 70's and it was fun putting the legs on and
10	3	It'll do	Somewhat silly instructions to get the stand pieces on the tv. Made it more complicated than it needed to be. Picture quality is pretty a
11	1	Garbage	So far had it one day and it's a piece of garbage has trouble connecting to internet and when it finally does it messes up as soon as yo
12	2	Meh...	Voice remote doesn't work. Picture quality is "okay" lots of grey spots where it should be black. Alexa doesn't always work and the TV i
13	1	I purchased the Asurion w	This SONY BRAVIA is a piece of junk! After several trouble shooting tries from the very beginning, this tv does not work as it should. Al
14	5	Great Tv.	Love this tv. Perfect right out of the box no adjustment needed. Excellent picture and color. Very good viewing angle almost 180 ° is r
15	1	Needless to say how disap	After a period of time of my attempts to setup the TV by playing with the Contrast, I could not reach the result that i was looking for, co
16	5	Amazing television!	Upgrading from a nine year old Samsung TV (that still worked perfectly fine, BTW) this TV was quite a WOW! moment. After tuning all
17	2	Google owns you.	Google owns you. You can not operate this TV with out giving personal identifying information to Google or the TV will not work. I thou
18	4	Good picture, weak sound	The picture can be tuned to present a pretty good picture, however the sound is really weak in the living room. It sounds like cheap spe
19	5	I Rounded Up From 4.5 St	This TV is great. I got the 43 inch and I use it exclusively as a computer monitor. I read a bunch of reviews that said it would be a great
20	2	Remote is defective	Great picture, hassle to replace defective remote
21	5	I'm very happy with this Sc	I had to get a New TV as my old Sony , 10 or more years old, finally started to give up . I was limited on TV size due to the floor plan of

### 3. 分析プロセスの設計



- ① 「データの読み込み」 → 「テキストのベクトル化」 → 「単語出現頻度カウント」 → 「単語重要度評価」
- ② モデリング（パターンを学習）
- ③ モデルへのデータ当てはめ評価
- ④ 新規データの当てはめ（検証）

## 4. 代表的なテキスト分析専用のオペレーター

Tokenize



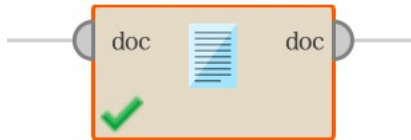
- 文字列などを分割するオペレーターです。

A few things to know about me I have a very high standard for quality and I m extremely blunt month or two but I ve seen enough



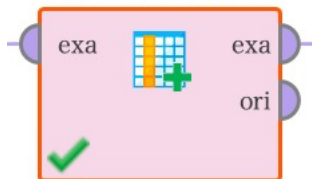
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Filter Stopwords (English)



- 「at」「of」などの前置詞や、「a」「an」「the」などの冠詞、「I」「He」「She」などの代名詞などテキスト分析対象として相応しくない単語を自動で削除してくれるオペレーターです。

Generate TFIDF



- 文書内に出現する単語について、**単語の出現頻度(TF値)**、**単語の逆文書頻度(IDF値)**の情報から、その単語の重要度を算出するオペレーターが Generate TF-IDFオペレーターです。

