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How to explore reviews

By Jin



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Avg. Customer Review

- ★★★★★ & Up
- ★★★★☆ & Up
- ★★★☆☆ & Up
- ★★☆☆☆ & Up



Samsung Chromebook (Wi-Fi, 11.6-Inch) 2012 Model

by Samsung

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Samsung Chromebook (Wi-Fi, 11.6-Inch) 2012 Model

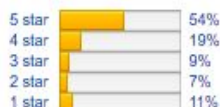
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Customer Reviews

★★★★☆ 5,634

4.0 out of 5 stars



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See all 5,634 customer reviews

Top Customer Reviews

★★★★☆ Chromebook perspective from an IT Geek

By **Prime Risk** on November 21, 2012

Style Name: Wi-Fi **Verified Purchase**

First off, I am an admitted IT Geek. I have a computer science degree and have spent my entire career working in IT on everything from mainframes to wearable computers. I really know computers inside and out. I want to provide some perspective about the Chromebook by a person who spends 10-12 hours on some type of computing device every day.

So why would I ever buy a device like this? Well, I ordered the Chromebook to evaluate it for my parents. They are not tech savvy at all. They have a Kindle Fire and an iPad, but when they do write e-mails and want to do other tasks, the pads are just not enough. They are computer users and media consumption people. What I found out during my work with the Chromebook is that it is the right computer for me too. Now, off to the review...

First off the Google Chromebook is computer unlike anything coming from the minds of Apple or Microsoft. Something on the surface that an IT Geek like me probably wouldn't like. It doesn't have a full-blown operating system like OSX nor is it a mobile platform like Android. It is something in between, it is ChromeOS. It is very fast, very reliable, and is perfect for doing your everyday tasks. If you mostly read e-mail, write notes, run spreadsheets, develop presentations, chat, Facebook, and surf, you should read on.

The Samsung Chromebook is very sleek, thin, and light. It is somewhat similar in form to a Macbook Air, but it's also close to a number of the new Ultrabooks. The feel in hand is very solid and doesn't seem like a \$249 computer. The keyboard is very good; very solid feel and great action. If you type quickly (100+ wpm), you'll be happy to know this keyboard can keep up with you. [Read more](#)

37 Comments 1,720 people found this helpful. Was this review helpful to you? [Report abuse](#)

★★★★☆ Surprises Inside and Out "STUDENT REVIEW"

By **Ryan** on November 2, 2012

Style Name: Wi-Fi **Verified Purchase**

I'm a student. I need something to carry around that I won't worry about losing, breaking, or someone stealing. I won't bring my Apple laptop to school due to theft increases lately. On that note, I wanted something for web browsing, typing papers in the library egg chairs and had a keyboard/trackpad combo. I found it.

This is not for a poweruser. Don't fool yourselves, people. It's a tablet on steroids. Get that through your head when you purchase and use it. If you have any other

Customer Images



See all customer images

Most Recent Customer Reviews

★★★★★ Great product!

Great computer for the price. The screen is bright and high-quality and the speakers are very strong. The keyboard is fantastic and the touchpad is very accurate.

Published 4 days ago by KA

★★★★★ This has been a great computer for Internet surfing

This has been a great computer for Internet surfing. Shopping, googling stuff like that. You won't write novels on this thing, but internet surfing is a breeze and that fits my...

[Read more](#)

Published 5 days ago by 702mtuner

★★★★☆ is this laptop what you want, you decide. here's my review.

If you never used a chromebook laptop, then it may take some time to get used to just like anything. [Read more](#)

Published 7 days ago by Review4U

★★★★★ but that's because certain people I know handled it way too...

Let me start by saying that this is a very handy gadget to have! It is not too expensive and runs relatively smooth and quick. You can not play discs on here which is expected.

[Read more](#)

Published 7 days ago by Christina McDaniel

★★★★★ Some heavy sites like Drive, and Gizmodo can bog the thing down


I've had this Chromebook for almost 3 years. I must say that at this point in time, I would go with one of the newer model Chromebooks. [Read more](#)

Published 12 days ago by Matthew A Shaffer

★☆☆☆☆ One Star

Not a good device... touch pad came not working...

Published 14 days ago by Los

A laptop screen is shown with a dark overlay. The overlay contains white text. In the background, a line graph with a blue line and a pie chart are visible on the screen. The line graph has a label '18 av.' near the bottom. The pie chart is partially visible on the right side of the screen.

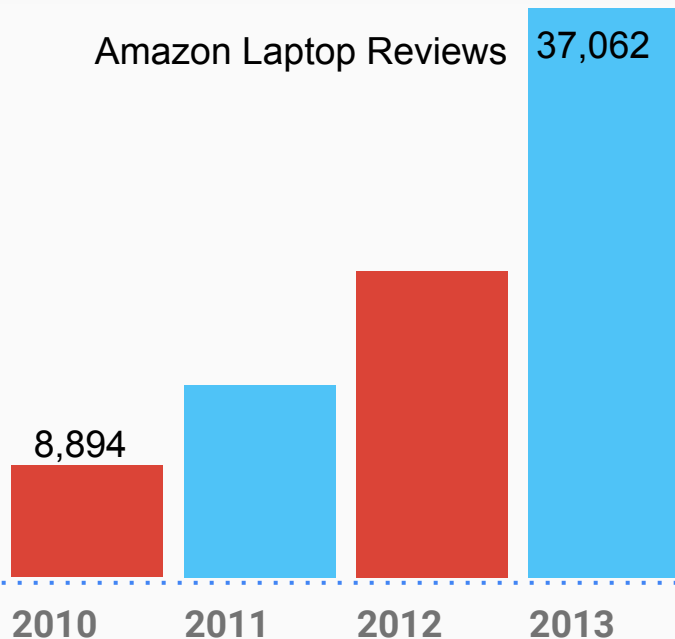
Mission statement:
Analyze product reviews to
empower decision making

The problem

The reviews are increasing rapidly.

People have different needs and conditions.

How to explore and aggregate reviews?





The solution

Summarize reviews by
aspect-sentiment analysis

Review into sentences

Find **aspects** and **polarity**
of a sentiment by the
sentence and its key
words

Aspect Sentiment Analysis(2010~)

Aspect

Attribute or component of an entity

ex) Display of a Laptop,

Keyboard of a Laptop,

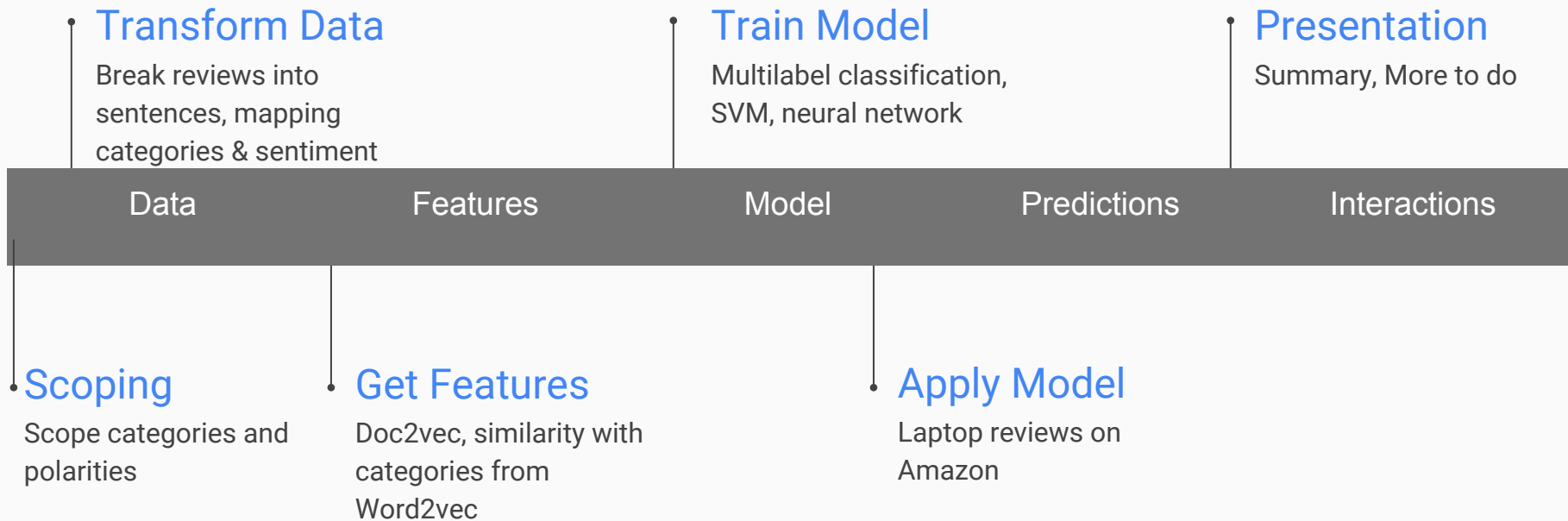
the Quality of the Display of a Laptop

Sentiment

Positive, Negative, Neutral

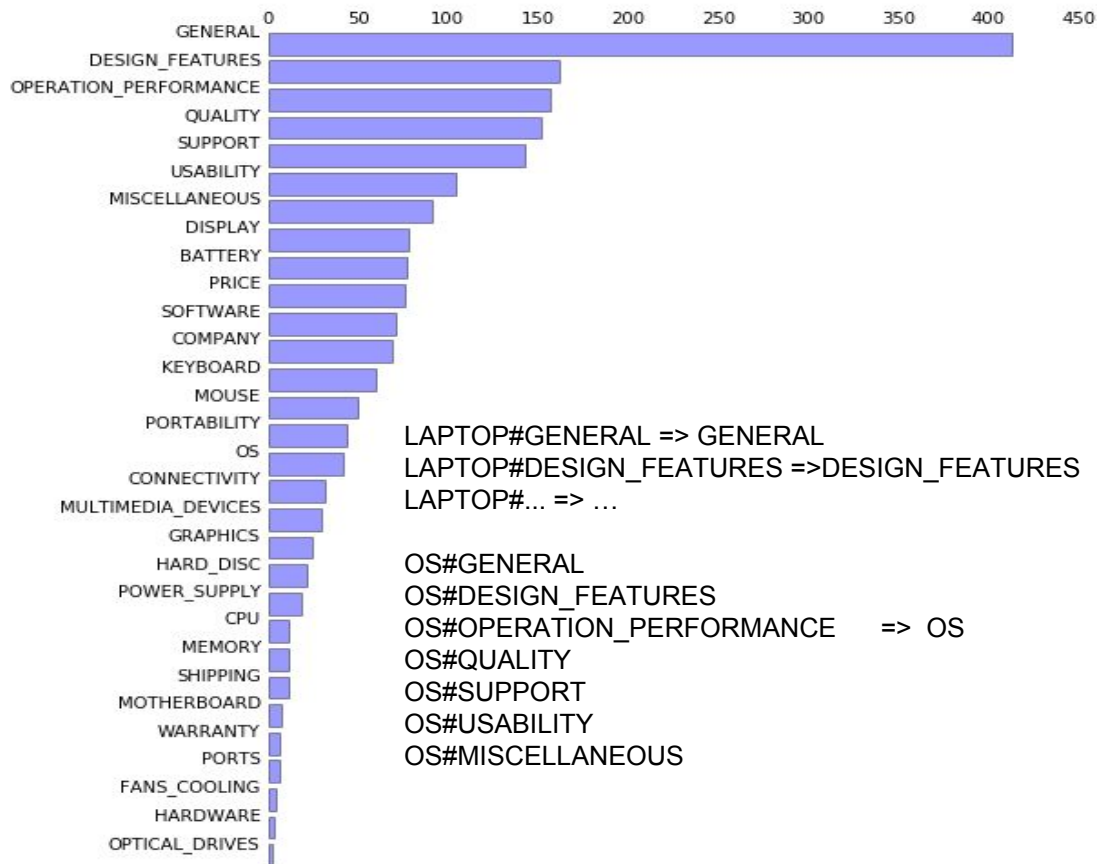
Overall vs. Specific

Pipeline

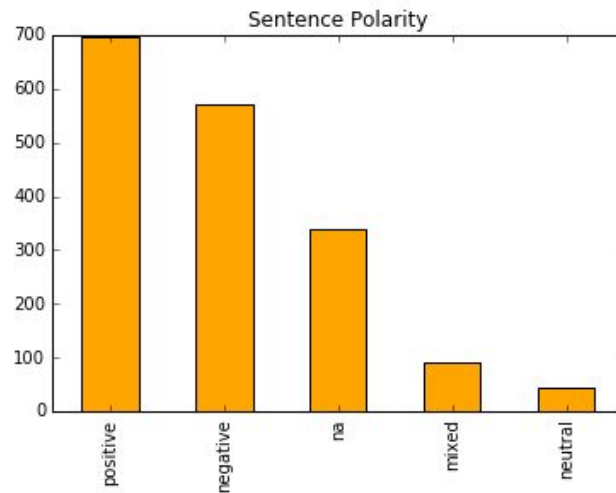


Scoping

New Category Distribution



- Combined Categories into 30
- Added more Train Data (500 sentences from 73 reviews)
- Simplified polarity as one per sentence

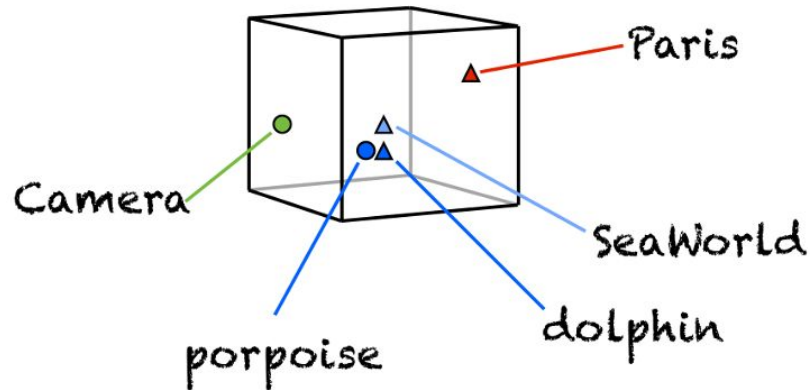


Models

Natural Language Processing

Word2Vec

Word embedding



Semantic as position

Operations: similarity, most_similar

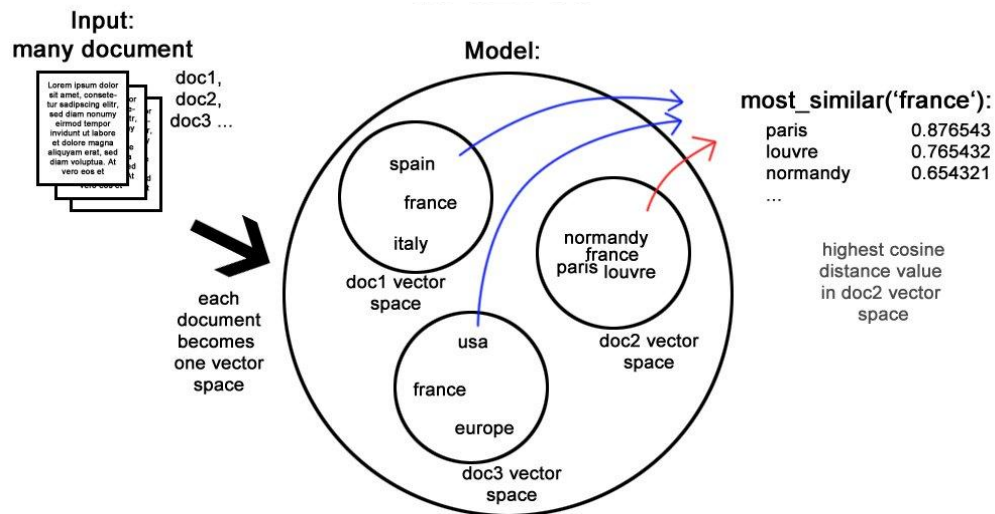
ex) capture similarity between category and key words

Python Implementation: Gensim, Spacy

Models

Natural Language Processing

Doc2Vec



Document labeling

Keep the semantics and ordering in a document

Each document becomes one vector

ex) Trained Doc2Vec model with 1,045,212 sentences from Amazon laptop Reviews

Models

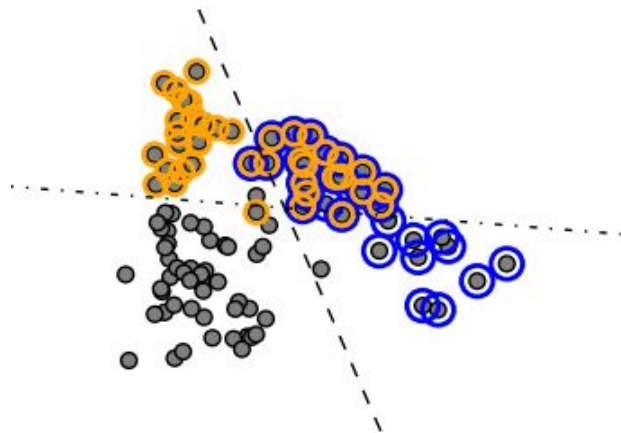
Classifier

Multilabel

I am first time Mac Buyer and am amazed at features and ease of use the Mac offers.

#DESIGN_FEATURES #USABILITY

A set of Binary
Classifications



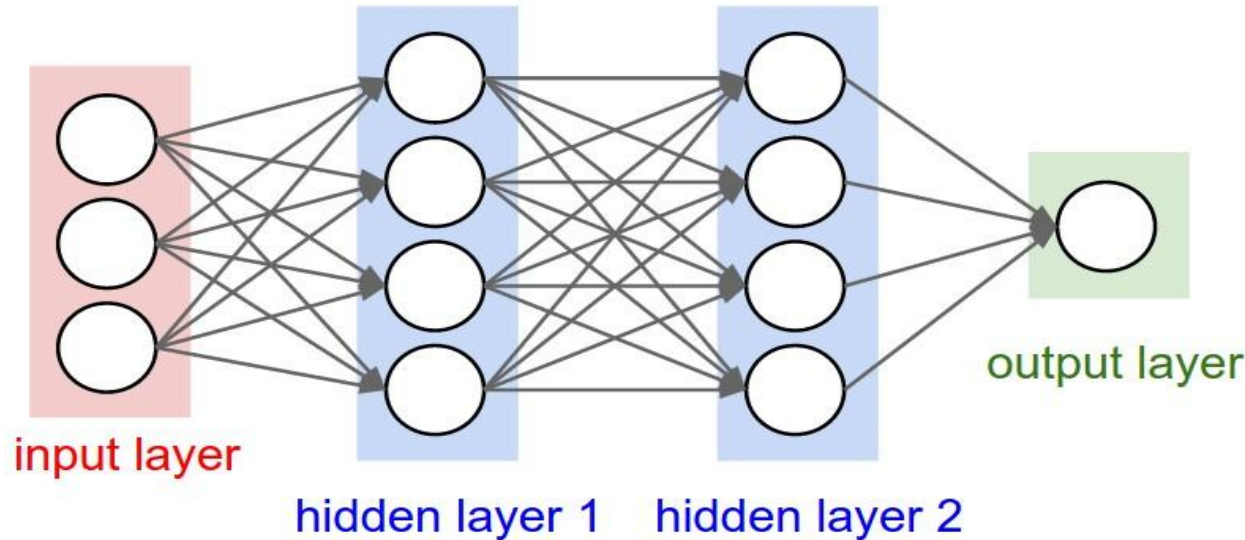
scikit-learn

-- Boundary
for class 1
- - - Boundary
for class 2
○○○ Class 1
○○○ Class 2

Models

Neural Network

Fully Connected Neural Network



Multilabel Classification

Output Activation: Sigmoid
Loss: binary cross entropy

Performance of Models for categories

Strategy	precision	recall	F1-score
OneVsTheRest with LinearSVC (scikit-learn)	0.66	0.36	0.44
Neural Network(Keras) With threshold 0.5	0.66	0.46	0.53
Neural Network(Keras) With threshold 0.6	0.71	0.40	0.49
Categories	precision	recall	F1-score
Battery	0.81	0.81	0.81
Miscellaneous	0.86	0.19	0.31


Performance of Models for polarity

Strategy	precision	recall	F1-score
OneVsTheRest with LinearSVC(scikit-learn)	0.55	0.53	0.50

Applications

All ▾ B009LL9VDG 🔍

Shopping History ▾ Hyejin's Amazon.com Today's Deals Gift Cards Sell Help Hello, Hyejin Your Account ▾ Tr



Samsung Chromebook (Wi-Fi, 11.6-Inch) 2012 Model
by Samsung

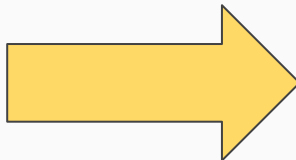
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category	positive	negative
Design Features	1781	406
Operation Performance	1362	452
Usability	1176	298
Display	498	343
Quality	527	286
Software	530	270
Price	518	123
Support	245	424
Connectivity	367	294
Battery	440	265
Keyboard	389	149

Applications

category	positive	negative
Design Features	<ul style="list-style-type: none">• It is very lightweight and does not get hot on your lap while using it.• Very light weight and thin profile.• An economical perfect fit for my needs, and at the same time affordable,light weight and compact.why would anyone want a Mac.• Having a USB port and keyboard makes this really convenient, and the light weight is easy to tote around the country. It's also light and has decent battery life.	<ul style="list-style-type: none">• the build is weak and flimsy.• The card does protrude from the port a small amount and may interfere with a case.• It and the audio jack are very similar looking, but the charger hole is smaller and on the back.• The construction looks nice but does feel somewhat cheap, due to the plastic, but that is not a negative; the plastic keeps it light and probably allows for the low price.• It is so small I have to keep a magnifying glass handy.
Operation Performance	<ul style="list-style-type: none">• And it's fast.• Boots fast, handles multiple tasks without issue.• I dual boot this with Linux using Crouton and it runs perfectly for all my needs.	<ul style="list-style-type: none">• Downloaded several movies to it and the processor cannot handle the video decoding fast enough to prevent skips.• 2) Streaming movies from Google Play is slow.• My issue is that it is very, very SLOW if not plugged in!

Applications

category	positive	negative
Usability	<ul style="list-style-type: none">• I got it as a gift for my parents, and they enjoy it because it is very easy to use and updates/protects itself.• The Chromebook fully satisfies my home computing needs.• The ease of setting it up was incredibly smooth.	<ul style="list-style-type: none">• Theres a bit of a learning curve with the google apps.• In general I've found the system easy to use, but there are a few exasperating things about Chrome that will pop up now and again and leave me tearing out my hair.• And more stuff should be able to use offline..• I realized I could not link to the needed apps and I was limited in its use.
Display	<ul style="list-style-type: none">• The screen displays nicely and doesn't take to a glare, the build is sturdy even though it's light, and the battery runs for at least six hours.• Good sized screen and easy operate for little fingers.	<ul style="list-style-type: none">• Just wish the screen was a lot better, the quality and resolution are poor.• The problem I have with it is the cheap display; you have to sit *right* in front of it or you can really see the image quality diminish.
Battery	<ul style="list-style-type: none">• The screen displays nicely and doesn't take to a glare, the build is sturdy even though it's light, and the battery runs for at least six hours.	<ul style="list-style-type: none">• I completely charged the battery, but when on the internet, it keeps getting stuck.
Support	<ul style="list-style-type: none">• Have to say customer service is great so far.• Samsung website did not help but customer service by telephone was excellent.	<ul style="list-style-type: none">• It has been sent back to Samsung TWICE to be fixed and has been returned usable for a few hours and then back to the same error message.

Review Analysis system

Consumers make purchasing decisions.

Companies make business development decisions



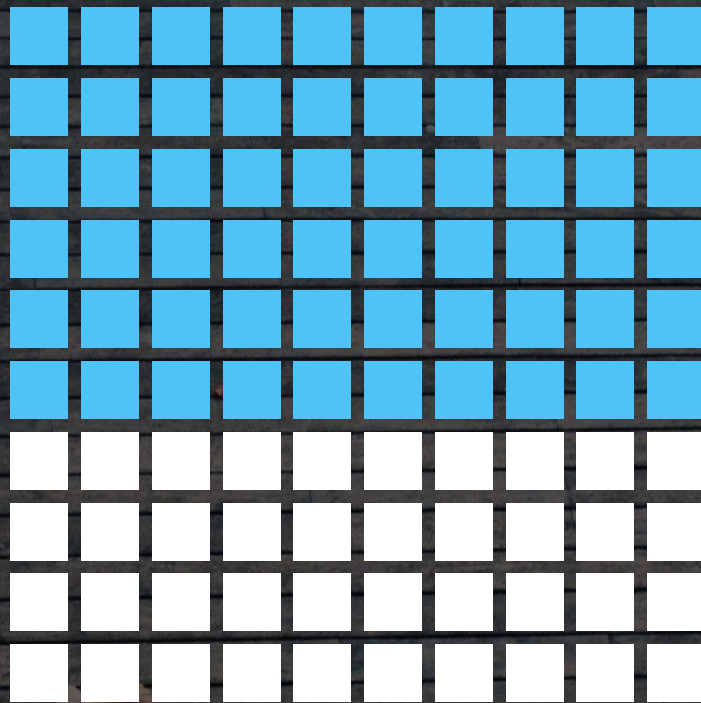
An aerial photograph of a city skyline at dusk or dawn. The sky is a mix of dark blue, purple, and orange. The city is densely packed with skyscrapers, many of which are illuminated with lights. The water of a harbor or bay is visible in the background, reflecting the city lights. The overall scene is a vibrant and detailed representation of a major urban center.

Aspect Sentiment Model: Doc2Vec + Word2Vec

Why now?

Reviews are increasing.

Natural Language
Processing models and
technologies are
developing rapidly.



More to do

*System to collect and validate
annotated Data*

With Big Data => Deep Learning

