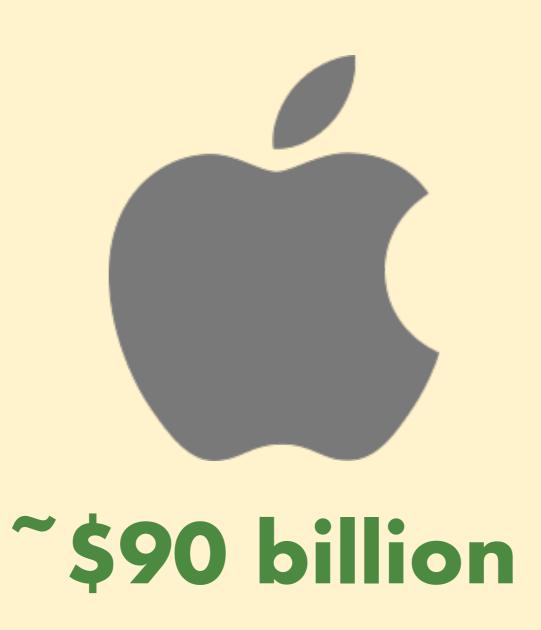
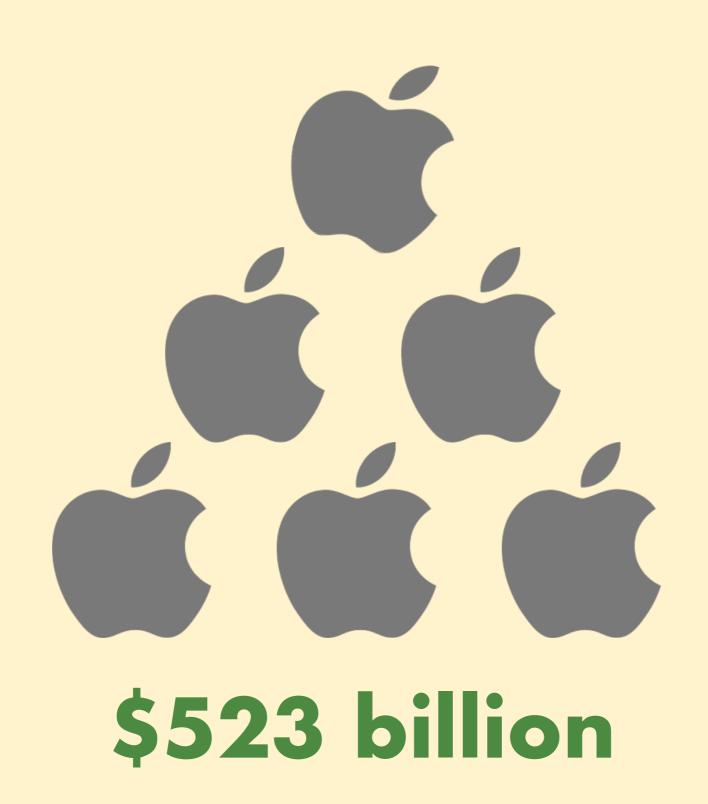
Apple Inc.



Cosmetic Industry



Gold Mining



Gold Mining







300 Brands









tarte

GLAMGLOW

high-performance naturals*







 ${f Elizabeth Arden}$

Experience







LANEIGE

~ 1,000,000 Reviews

```
g way
see result
product work
   skin texture,
                                                                       use product
two week⊣
                     great product received sample see differenceusing serum
```



Personal Needs



Review Mining



Shopping Personalized purchase suggestions Experience

For Industry

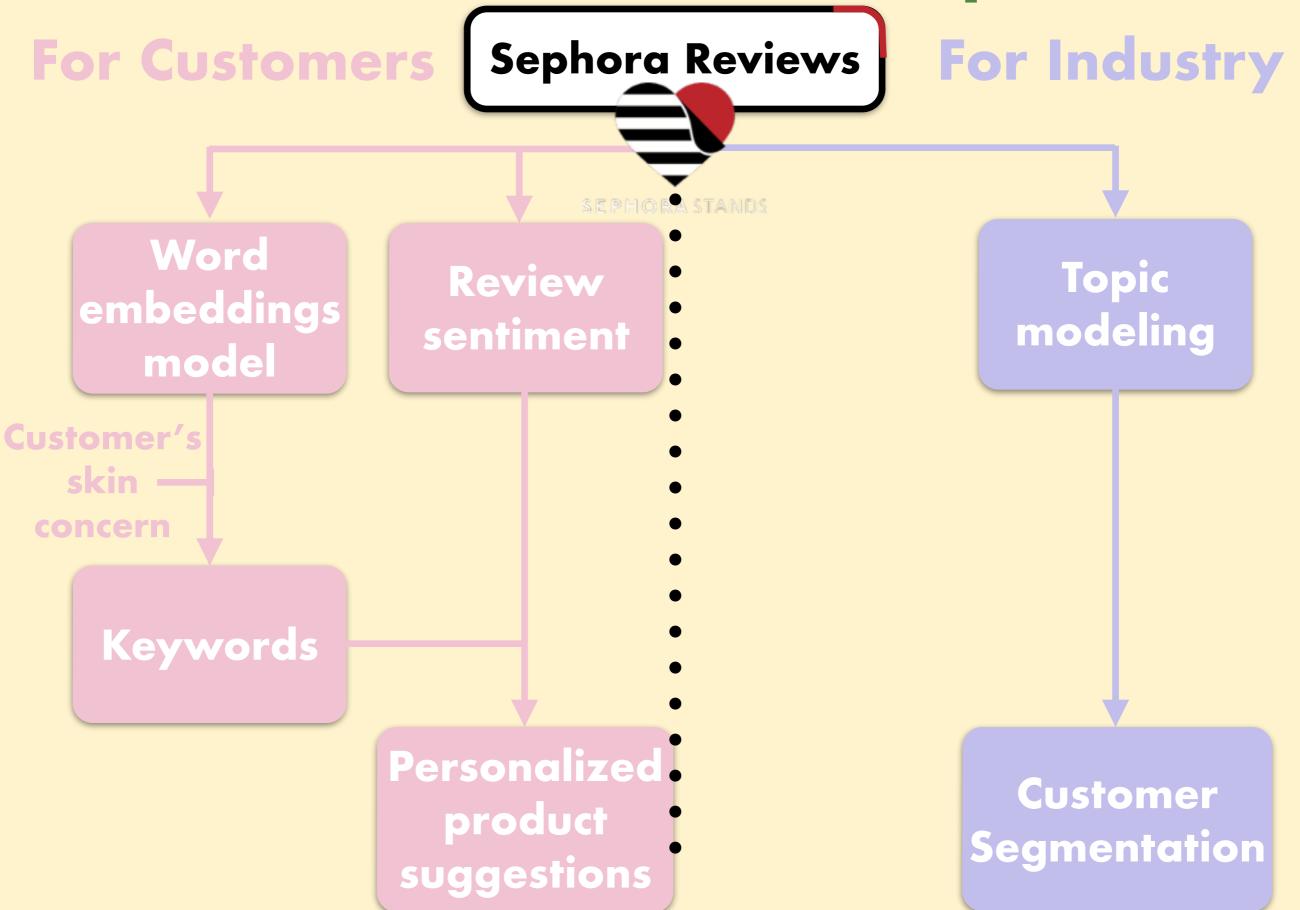
Insights of customer preferences

Product Features

Increase Sales

Shopping Personalized purchase suggestions Experience

Behind the makeup



Semantic search



Word embeddings model

skin — concern

Customer's

Keywords

Word embedding models



Word embeddings model **Customer's** skin concern Keywords

Word embedding models



Word2Vectora STANDS GloVe

FastText

Word embeddings model

Customer's skin — concern

Keywords

Contextual &

Semantic

General &

Semantic

Edit distance

Semantic search

Sephora Reviews

Word2Vectora STANDS

Word embeddings model

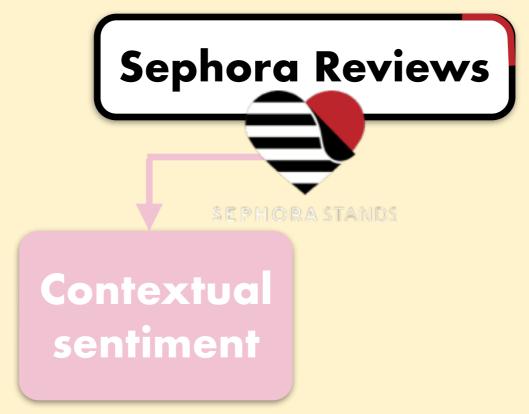
Wrinkle -

Keywords

ageing polyphenol crease aging elevens broad oxidants neuropeptide spectrum

ager

Contextual sentiment



Example:

This product has neuropeptides. Happy to see my wrinkles gone!

Contextual sentiment



Example:

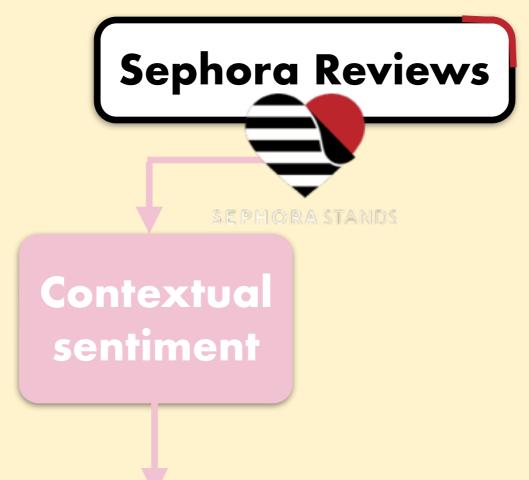
This product has neuropeptides. Happy to see my wrinkles gone!



This product has neuropeptides.

Happy to see my wrinkles gone!

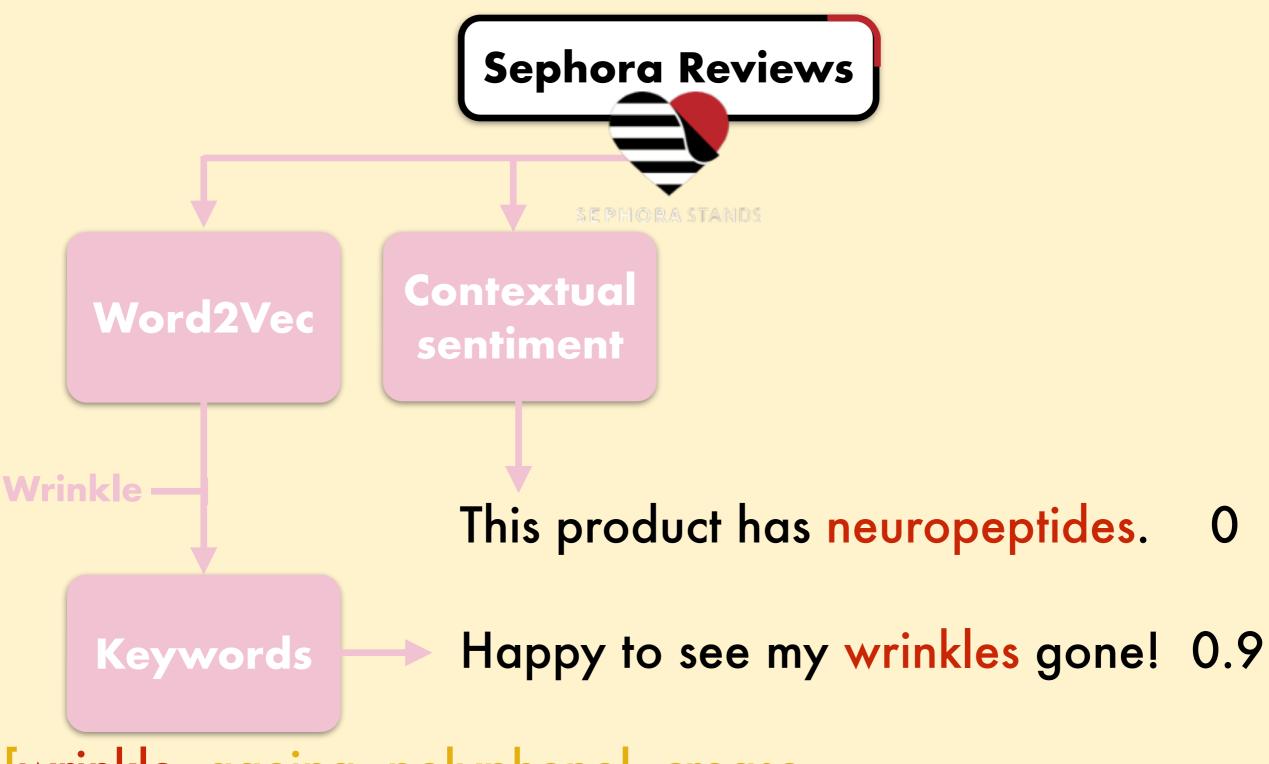
Contextual sentiment



This product has neuropeptides.

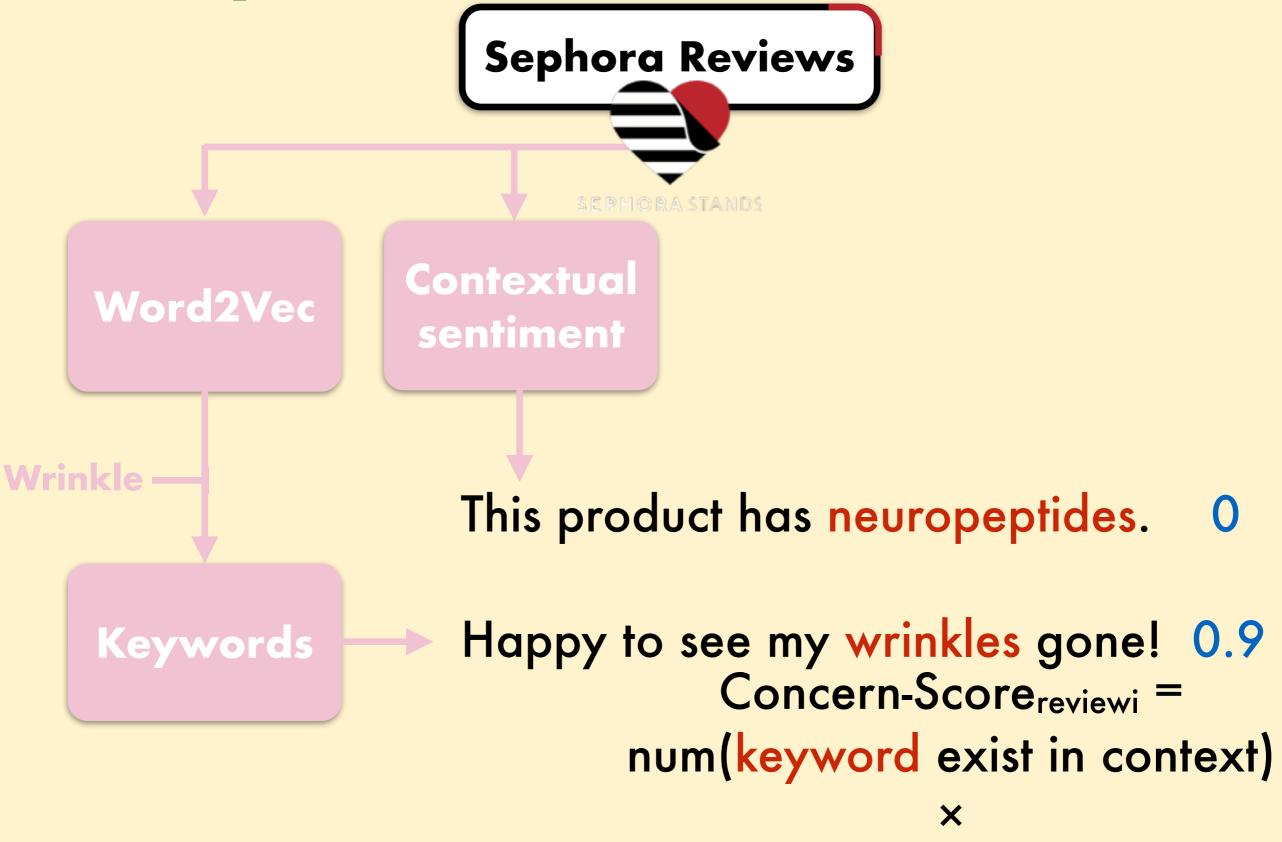
Happy to see my wrinkles gone! 0.9

Semantic search

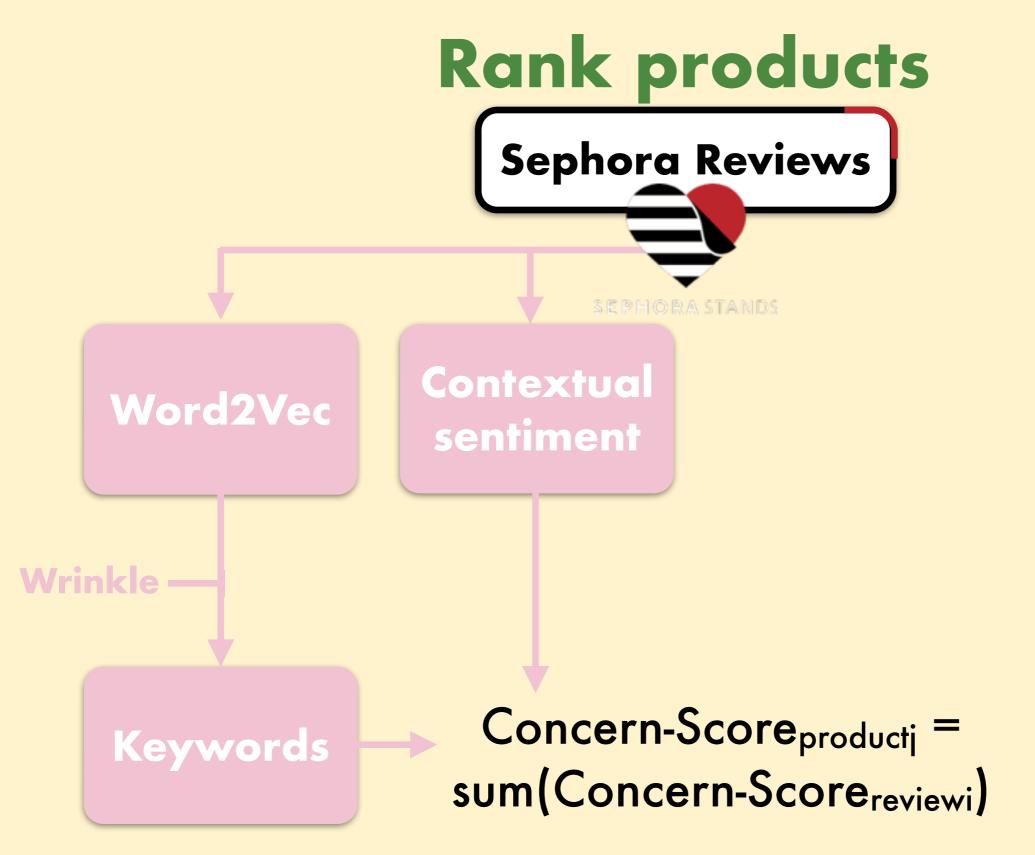


[wrinkle, ageing, polyphenol, crease, aging, elevens, broad, oxidants, neuropeptide, spectrum, ager]

Keyword contextual sentiment



sentiment score



Rank products Sephora Reviews

SEPHORA STANDS Contextual Word2Vec sentiment Wrinkle -Keywords Best

anti-wrinkle products



Bella vs. Sephora

Bella:



LANCER
Advanced Retinol Treatment
\$95.00



Sephora:



online only THE ORDINARY "Buffet"

\$14.80



exclusive

DR. BRANDT SKINCARE MAGNETIGHT Age-Defier™ Mask

\$24.00 - \$75.00



ESTÉE LAUDER

Advanced Night Repair Synchronized Recovery Complex II

\$98.00





PETER THOMAS ROTH

AHA/BHA Acne Clearing Gel

\$54.00





exclusive

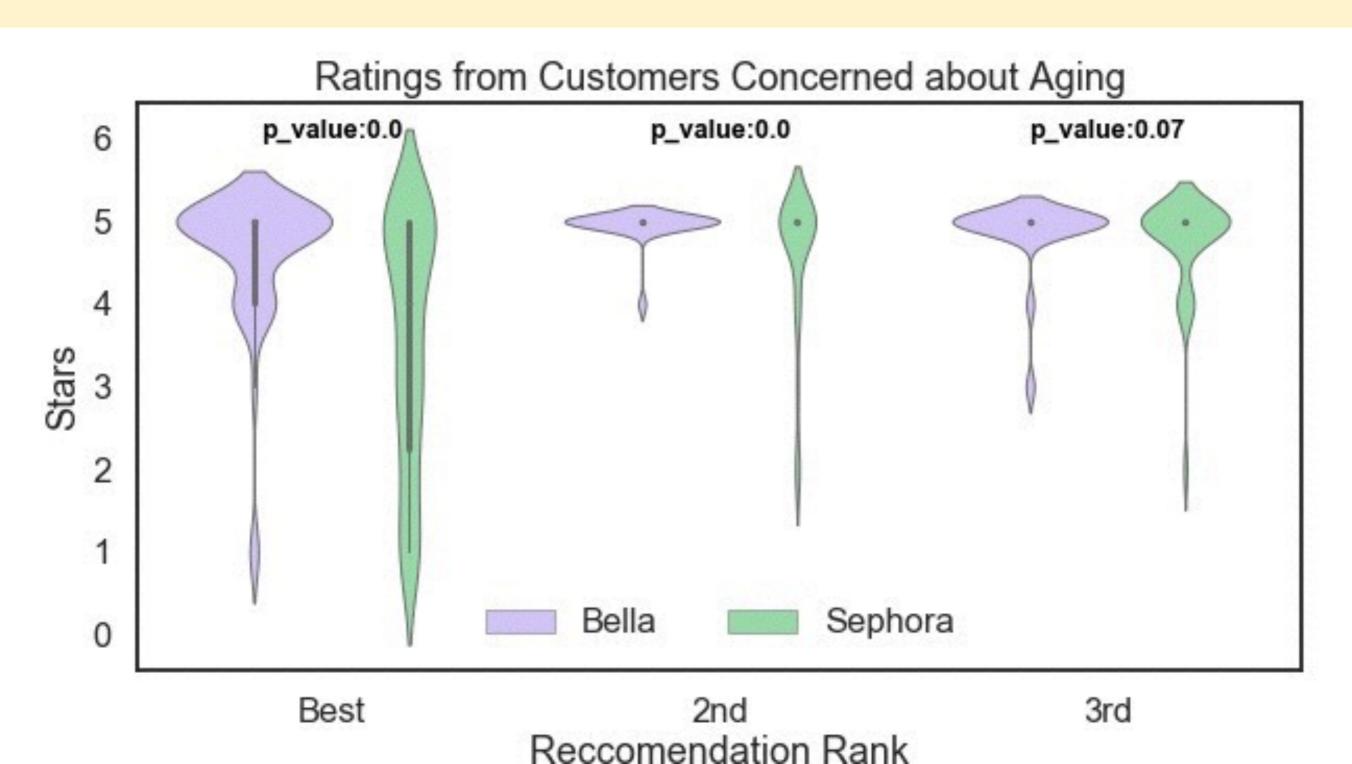
DRUNK ELEPHANT

D-Bronzi™ Anti-Pollution Sunshine Drops

\$36.00



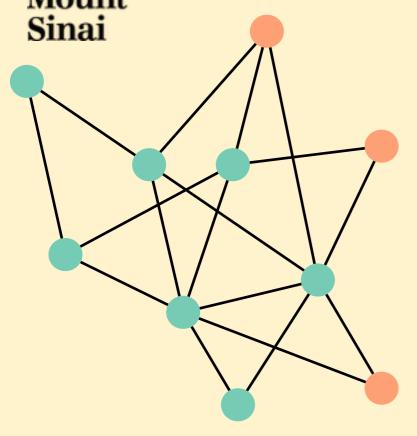
Bella win!



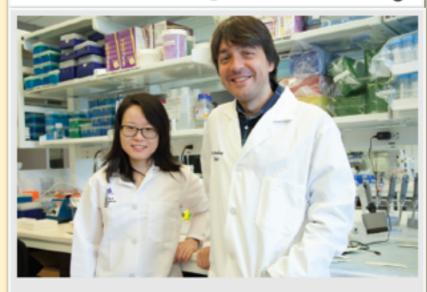
Nan Shen



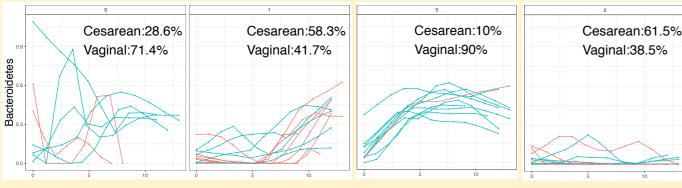
Icahn School of Medicine at **Mount**



Dean's Quarterly



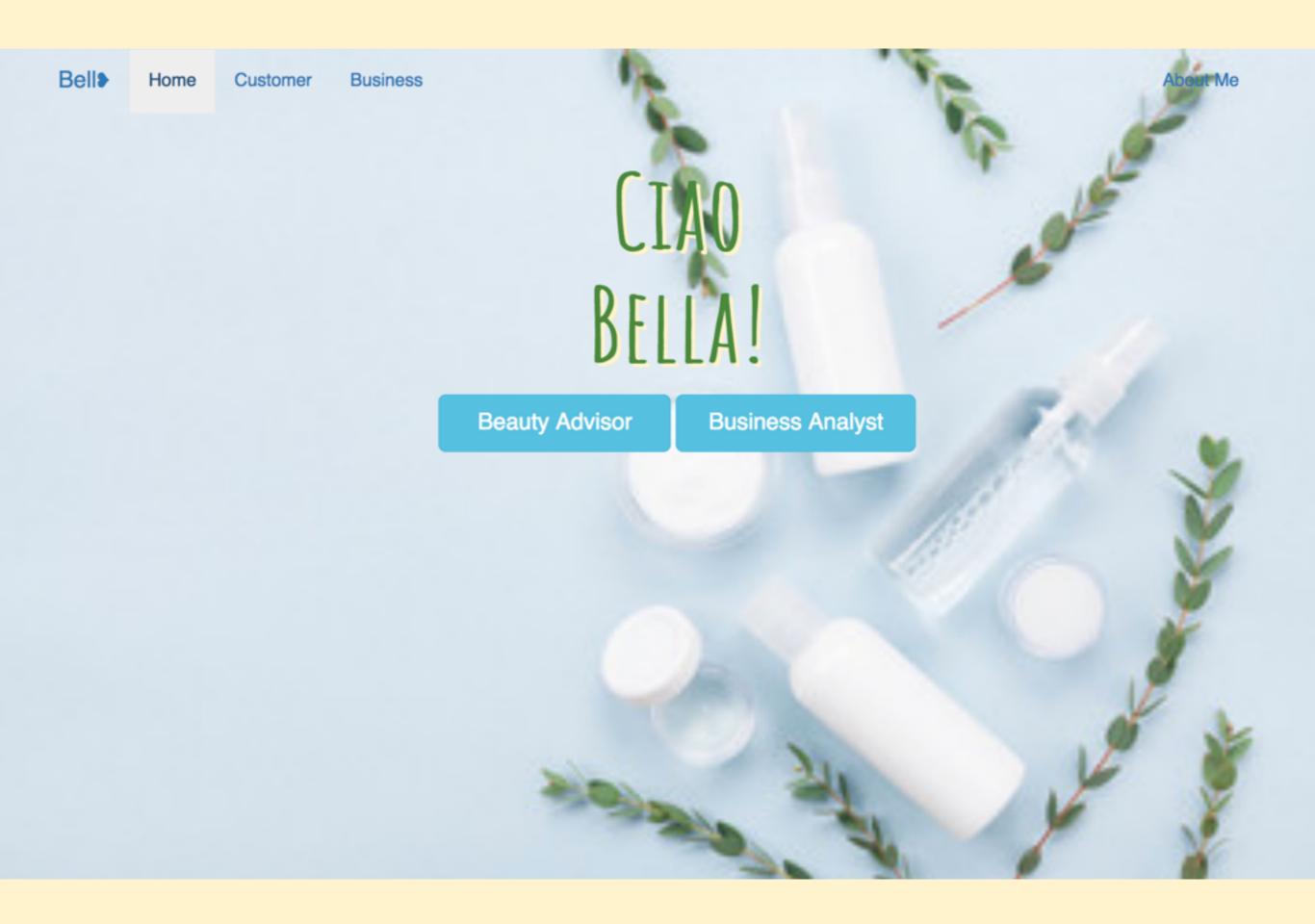
PhD candidate Nan Shen and Jose C. Clemente, PhD, are documenting the bacteria and bacteria-encoded functions of the Yanomami Amerindians in Venezuela.

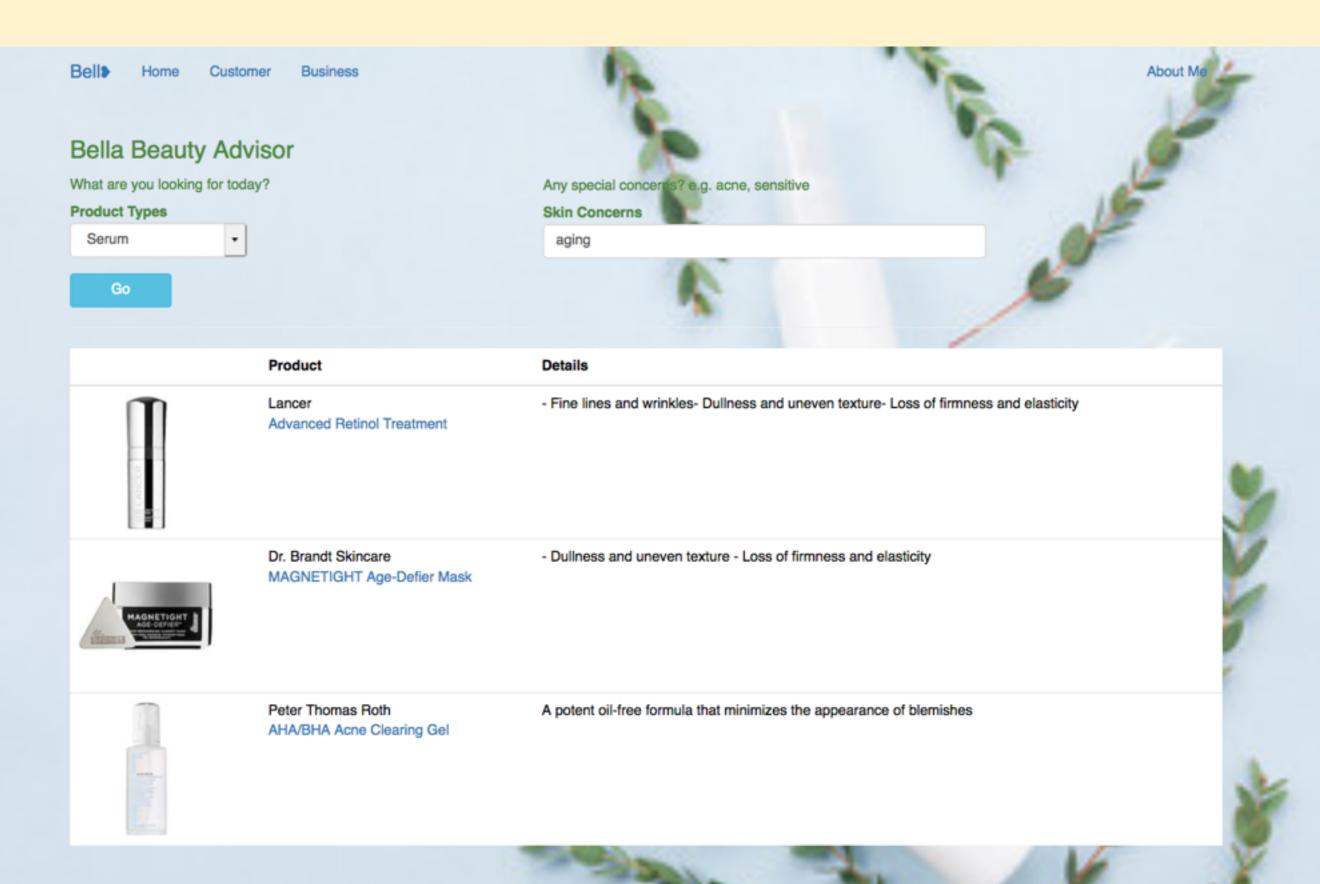


INSIGHT









Bell> Home Customer Business		About Me
Bella Business Analyst		
Which topic are you interested in?	Group people by:	
Topics	Customer Group	
make up -	Age	•
Random Reviews		.0
Looking good all day!. I am an oily girl but I love liquid	foundation and luminosity in products. This product works wonders to	keep me mate while still using things like Tarte Rainforest

Looking good all day!. I am an oily girl but I love liquid foundation and luminosity in products. This product works wonders to keep me mate while still using things like Tarte Rainforest of the Sea foundation, highlighter, etc. I put it on after primer in my oily areas and let set before applying foundation. I do use it once more over my makeup (carefully pat very little product, no rubbing) once the oil starts to appear (around 3 hours later) and this keeps me matte for hours longer! Also makes my pores look tiny! Love.

pretty wonderful. was little skeptical about this but curious and wanted to try it. SO glad I did. This is wonderful! It somehow covers flaws and still looks natural and not a made up look. You can layer it to obtain perfection for your own specific skin. Only drawback I think is if you have very fair skin it might not work perfectly, I don't know if it would indeed work for everyone. With darker skin you could probably mix it with the bronzer to find a perfect match for your specific skin tone. I have light to medium skin and it is perfect for me. Give it a try!

