

Al-powered Review Analysis



UNLOCK ACTIONABLE CONSUMER INSIGHTS WITH AI-POWERED REVIEW ANALYSIS

We are excited to announce a new service from the Q data science team: AI-powered review analysis. We provide analyses of customer reviews for any product category, in any European language. The service is simple: just pick the product category, and we deliver a detailed PDF report packed with insights about products, purchase criteria and the category as a whole. We have already created reports about energy bars, water filters, washing machines, drills, and a dozen other categories.

Reviews are a window into the customer's mind

In reviews, customers talk about what they like and dislike, and what they wish for. They share their experiences and use cases. Thanks to years of historic data, we can also see changes and trends over time.

This information empowers product development, quality assurance and marketing:

- Considering entering a new category? Reviews reveal what customers expect and where existing products fall short.

most. - Curious what competitors are up to? Benchmark their products aspect-by-aspect and check how

- Looking to improve products? Find the pain points customers encounter and what they love

- Seeking the perfect shopping experience? See what customers say about delivery, packaging, and customer service.

However, reading thousands of reviews of one's own and competitors' products is a timeconsuming task. It's far too much volume for classic qualitative content analysis. This is where our AI-powered review analysis comes in.

World class accuracy, enhanced depth of analysis

price and value are perceived.

Our fine-tuned language model for aspect-based sentiment analysis (ABSA) is the core of our offering. In a previous experiment we've achieved state-of-the-art results on the standard SemEval 2014 benchmark. Since, we have re-thought ABSA and built a model that offers much greater depth of analysis than standard approaches. We have trained our model on nearly 5,000 hand-labeled examples.

Let's consider an example review about sunscreen:



"The sunscreen is easy to apply and absorbs quickly. Most importantly, it provides safe and reliable sun protection. I keep buying it, even though it's rather expensive.



Aspect	Polarity	Descriptors	Importance Medium	
Application	Positive	Easy		
Absorption	Positive	Quickly	Medium	
Sun protection	Positive	Safe, reliable	High	
Price	Negative	Rather expensive	Medium	

review into aspects, their polarity, the descriptive words used, and the importance of the aspect relative to other aspects. This analysis provides more actionable insights than classic sentiment analysis. It explains

The model takes unstructured review text and turns it into a table that neatly splits the

which aspects customers care about, how they rank in importance, and how they feel about them, in their own words.

A project has three steps:

An efficient process







Analysis with Al Review collection

Germany, Europe and the US, including Amazon.

2. Analysis with AI: Our model reads the reviews and extracts the opinions of the customers.

1. Review collection: We collect publicly available reviews from thousands of shops in

3. Reporting: We compile the results into a detailed PDF report.

Thanks to automated quality checks at every step, we can confidently deliver results in a short time.

Reviews

Showcase: Dog food reviews

Q has an office dog on occasion, so we were naturally curious about the best food for her. We

Aspect

1 Acceptance

2 Digestion

collected 13,832 reviews from amazon.de, barfers-wellfood.de, fressnapf.de and 65 other shops. First, let's see which aspects reviewers care most about:

92%

90%

Positive Neutral Negative

1%

3%

6%

7%

3	Taste		2.048	91%	5%	4%	-			
4	Ingredients		1.448	75%	12%	13%	-			
5	Price		1.376	57%	13%	30%	-			
6	Quality		1.271	89%	2%	9%	-			
7	Health		1.105	87%	5%	8%	-			
8	Smell		939	68%	13%	19%				
9	Size		812	59%	15%	26%				
10	Packaging		657	54%	12%	33%	-			
Clearly, the acceptance of the food by the dog is the #1 criterion. Price is only on rank 5,										
behind digestion, taste and ingredients. The most negatively mentioned aspects are price,										

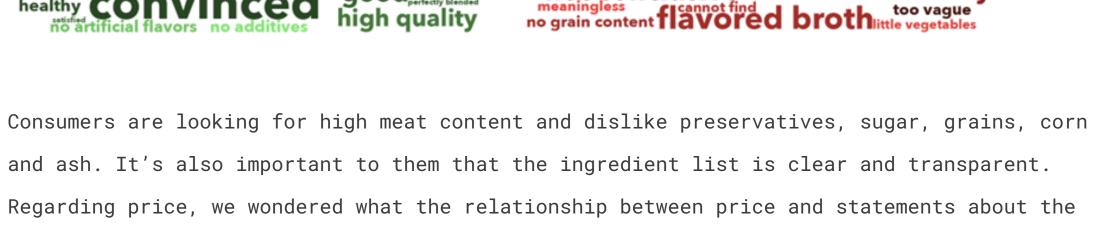
5.277

4.322

size and packaging. We dug deeper and analyzed the descriptive words reviewers used for ingredients: new recipe meatless not the best new recipe meatless not healthy. Flavorings harmful little plenty of wheat vague high raw ash content questionable not so high quality incomplete inaccurate unclear. high meat content

grain-free 90% chicken everything included fit important no grains included properties optimal lots of meat good lean good perfectly blended no artificial flavors no additives high quality

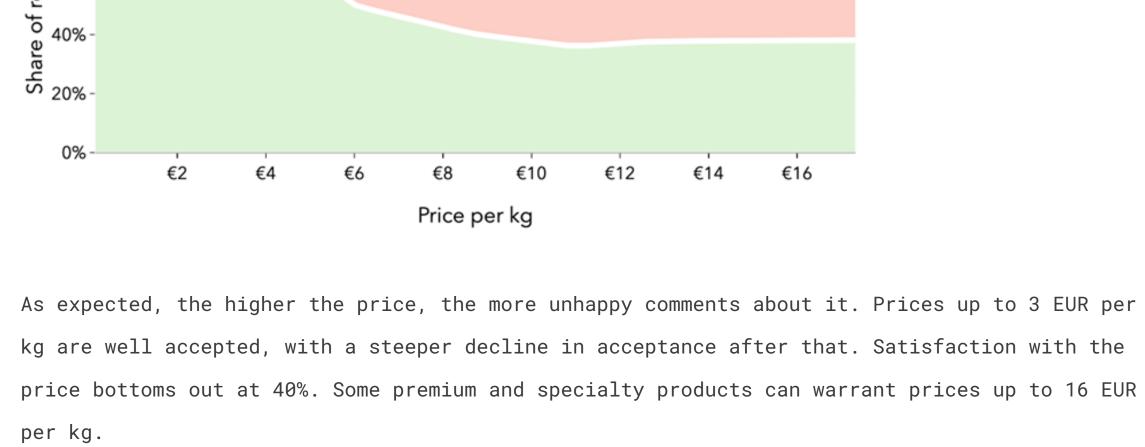
no grains without sugarning meat content balanced no preservatives 68% meat gluten-free



not conclusive not blown away

feel about it, e.g. "that's good value for money" or "too expensive". 100% -Sentiment Negative reviews (%) Positive

price is. That means we're looking at reviews that explicitly mention the price and how they



So, what's our recommendation? Taking the star rating of 4.87 out of 5, the review text and high number of reviews (over 500) into account, it's Platinum's Chicken Dry Dog Food. The only downside is the price, but they offer volume and subscription discounts. Reviewers love many aspects of the product:



Platinum is a high quality

Quality

That was a very quick tour of the insights review analysis can provide! There's much more to

Learn more

discover in the full report.

If reviews are relevant for your business, we'd like to hear from you. We're happy to share a full, 70-page sample report. Just drop us a line at info(at)teamq.de.

Reports start at 1,500 EUR (plus VAT) for a single product category. Our offer is simple: a one-time payment for an in-depth PDF report. No subscription to manage and no tool to learn. We offer bulk discounts when ordering multiple categories. Customized analyses are possible too. Let's have a chat!

Thanks

Taste

My labrador totally

A big thanks to our early customers of this service. Your feedback has been invaluable.

Author: Paul Simmering

Datenschutz

Kontakt