

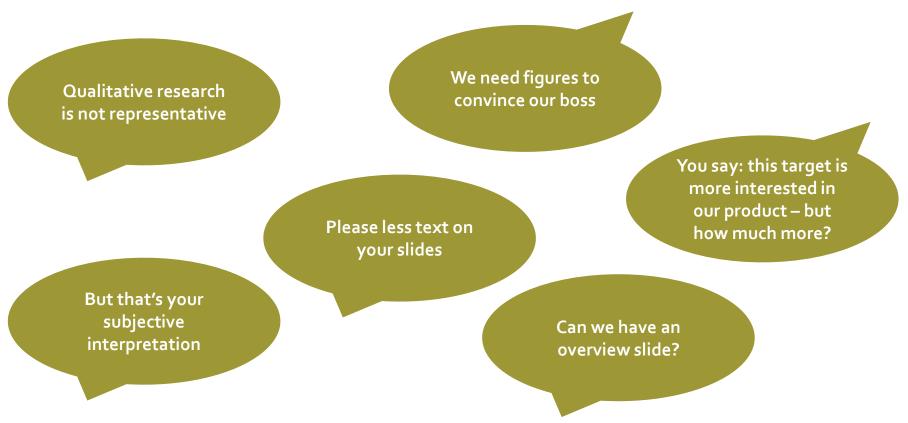
Chef-Etage sucht schlagfertige Quali-Ergebnisse!

Tiefe und Validität der subjektiven Interpretation mit KI untermauern.

R&R - Workshop - 24.10.2019

Have you ever heard from your internal stakeholders or clients...





When Qual meets Tech





- Qualitative boutique specialist
- International: Need for German, English and French on a regular basis and potentially many more
- Special methodology: The Cognitive Interview
 3 phases, requiring a special programming

A prospective vision: Incorporate state-of-the-art technology

- ▶ Increase sharpness/ acuity of analysis→ convincing insights
- Increase speed of analysis
- Increase capabilities for larger samples, for multi-country researches



Synomia: a pioneer in AI (NLP)

Synomia is a **pioneer in Artificial Intelligence**, owner of **multilingual semantic data processing technologies (NLP)**. By transforming text data into **insights**, the company allows brands to better understand their ecosystem and therefore build:



Strategies



Activation plans

With both a technological and consulting expertise, Synomia gives access to insights in a 2-level offer:

TECHNOLOGY AND CONSULTING







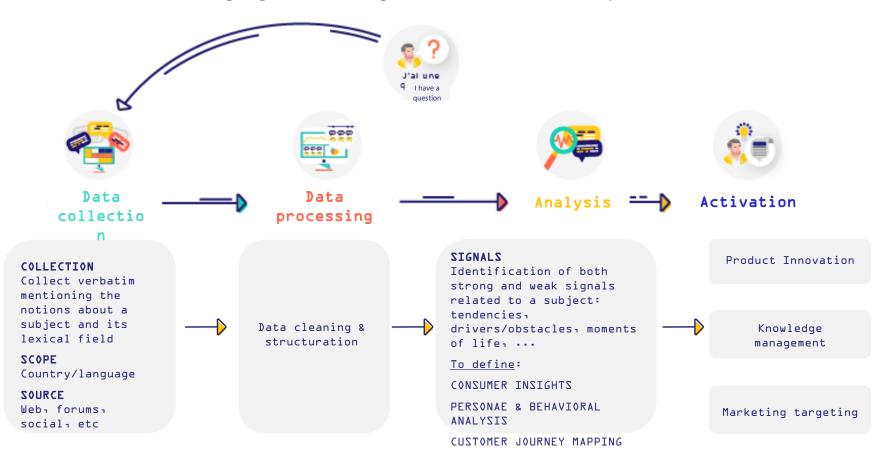




AUTONOMY (SAAS) AND/OR MANAGED SERVICES

STRATEGIC AND OPERATIONAL CONSULTING SERVICES

Leveraging AI to bridge data and business questions



Artificial intelligence to make the data explicit







Salient themes

- Categorize the main topics
- Quantify and compare allowing for checking KPIs in a consistent manner





Cross-referencing

- Identify the variables that play an important role
- Characterize moments of life / persona





Data visualization

- Easily and quickly visualize insights
- Sexy and synthetic delivery for internal and external use

Types of research where the syntax analysis was applied





3 types of research so far:

- Shopper research
- Product/ formula tests
- Exploratory research



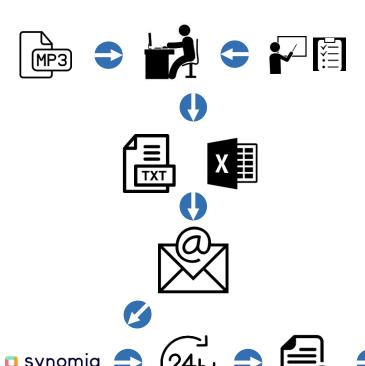
Using 3 methodologies:

- Classic F-2-F interviews (long text; linear/ mp3 recording)
- Cognitive Interviews (long text; forward, backwards, sequences/ mp3 recording)
- Online blogs (short to medium sized texts; structured questions/ digital input)

Some technicalities

The way of the interview into the platform requires rigorous transcription





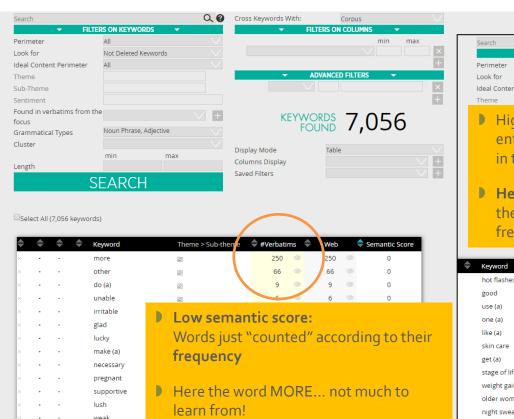
We learned a lot ...

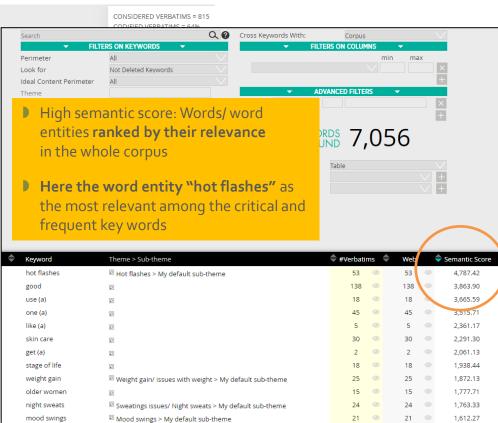
- about the importance of punctuation!
- that full transcripts are full of air
- and were exposed to our own bias/ influence and lack of standard



The finesse lies in the semantic score, not in the counting in itself

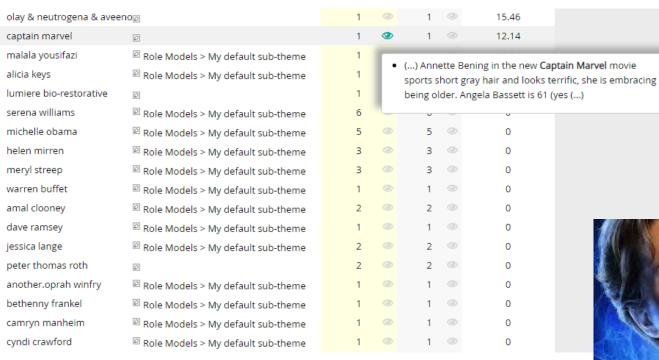






Don't let yourself be fooled by "Captain Marvel"





- The machine is able to detect names – we need to know who they refer to
- Thanks to the verbatim preview, we can always check the context to avoid wrong attribution/ interpretation



Shopper research

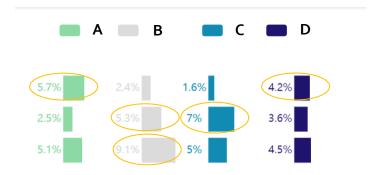
SHOPPER EXPERIENCE How AI can help us detect the negation (to do or not to do)



Contrôle, limitation de l'acte d'achat (ne pas prendre/ acheter)

Prix (en général)

Actions, promotions



4 different retailers

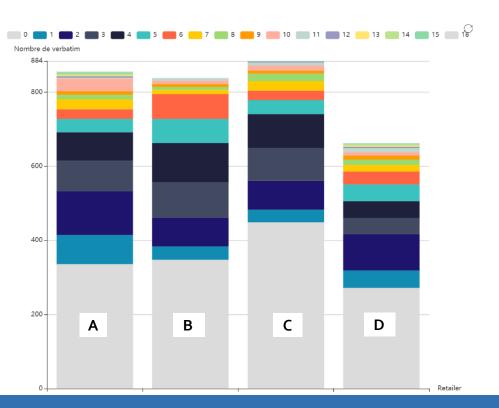
2 inhibit spontaneous purchase while 2 encourage it



SHOPPER EXPERIENCE

The sequencing of perceived steps/ singular moments tells a full story





Retailer D shows a structural weakness...

- in their ability to offer strong, memorable experiences at each step
- and to keep shoppers inside the shop



Analysis of product/ formula tests

NATURAL COLORATION (qual in-home use test) During the coding phase, we notice the salient semantic fields





Emergence of classic topics (bathroom, stains, applying procedure, rinsing...)

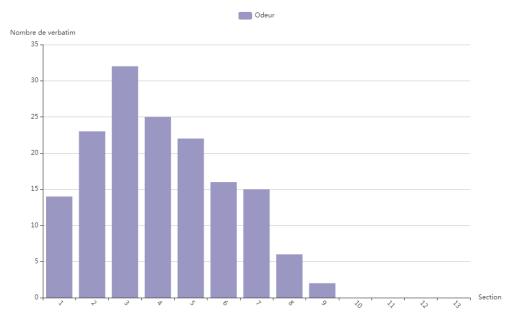
...but also of less expected ones like

- **▶ SHOWER CAP (***CHARLOTTE***)**
- KITCHEN
- ▶ (WARM) TEMPERATURE
- **RELAXATION**



The richness of the Cognitive Interview lays in the sequencing, allowing a better feeling along the consumer experience curve





Smell very strong at the beginning

- While mixing of powder and water
- But gets less invasive and noticed over time

Pērimētre : 463 verbatim

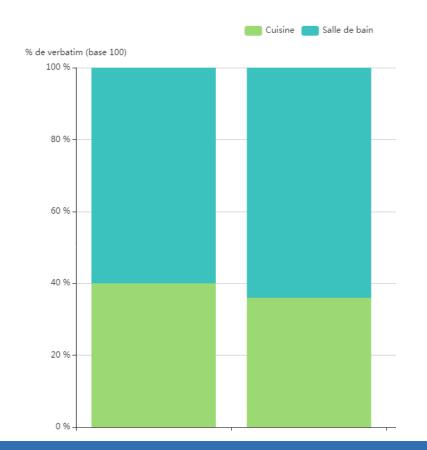
· Themes = Odeur

• Section = 1, 10, 11, 12, 13, 2, 3, 4, 5, 6, 7, 8, 9

· Type of product = Herbalia-1

Analyzing the "crime scene" becomes easy and visual: Kitchen vs. bathroom





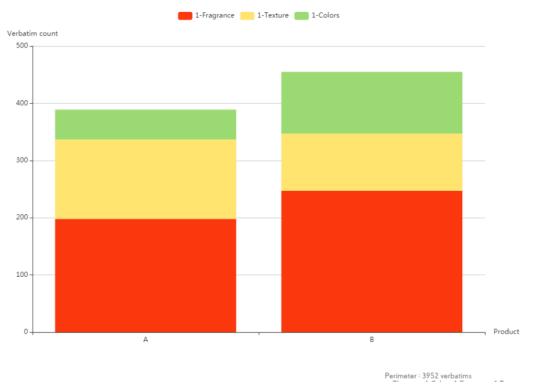
Visualizing the customer experience!

- By the mention of the locations, we derive where participants spent their time
- The bathroom remains the main "crime scene" but the natural coloration makes a new space at home: The kitchen



ANTI-DANDRUFF SHAMPOO Synthetic profiling of 2 formulas





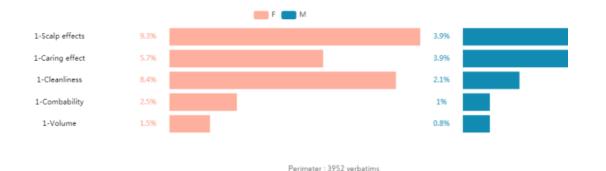
Identifying the impactful candidate

- The orange color of product B was not expected and caused high impact among the participants, who spoke a lot about it, in comparison with product A which has a "normal white color".
- This in return feeds the idea of a creamy texture (in yellow).
- Also the fragrance is more striking for product B – there is more to say about it.



Assessment of product performance: the male/ female difference is striking (and less obvious when analysed by hand)





Target group differences are tangible

- Women are much more susceptible to perceive the effects of the products (A and B)
- For men, a shampoo is a shampoo is a shampoo... ☺



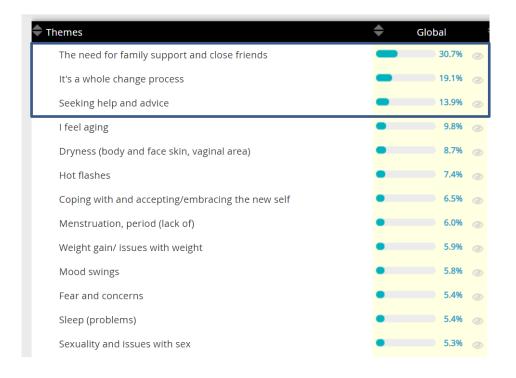
Analysis of online diaries/ blogs

MENOPAUSE

c

SEISSMO

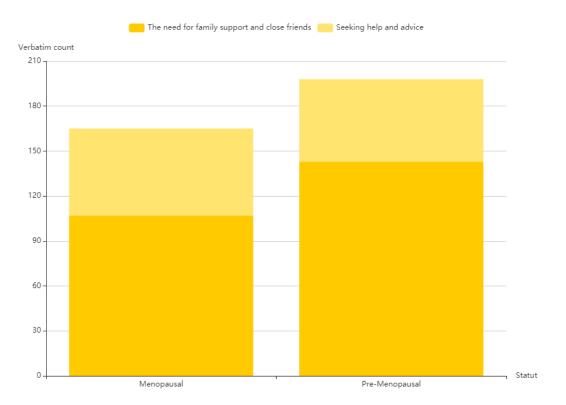
The code plan weighs the respective importance of topics within the corpus





Qualitative Data can show by "how much more" a phenomenon occurs





A similar phenomenon but with a larger amplitude in a specific target group

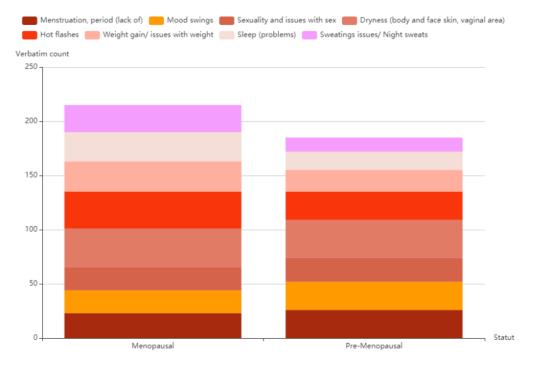
Perimeter: 815 verbatims



Themes = Seeking help and advice. The need for family support and close friends

The platform consolidates complex content in a digestible and didactic way





More visual and holistic than a tedious enumeration

Perimeter: 815 verbatims



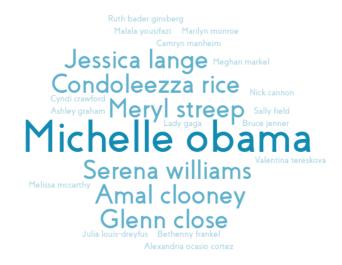
Word clouds showing age differences in the aspirational role models



Pre-Menopause



Menopause



While coding, we also discovered many male role models (mainly successful business men over 50) which we tended to overlook during the analysis



Summary, Q&A

Where is the enhancement for our daily job in Qual?





In PRODUCT/ FORMULA TESTS

- Establishing "objective" measurement of KPIs and being able – progressively – to establish standards and benchmarks/ references
- Crossing variables (which are difficult to do or hardly visible) and discovering discriminating variables



In EXPLORATORY ONLINE DIARIES

- Managing a huge quantity (189 Office-Word pages) of verbatim and making sense out of it
- Identifying quickly and visually some trends/ aggregation of data makes phenomena more visible
- Potentially allowing us to increase the number of participants without losing the finesse of analysis



In SHOPPER RESEARCH

- Extreme diversity and quantity of items/ merchandise easy to code
- Behavior and NON behavior made visible: "To buy or not to buy"!
- Using systematically and quantifying the sequencing from the Cognitive Interview, allowing us to understand the retailer's appeal/ browsing activity

The AI platform is not a super hero but will help "the Qual Empire to Strike Back"



At Séissmo, we are convinced that we can achieve...

- More credibility for Qualless discussions about 'how representative'
- More objectivity– without losing any of our subjectivity
- More acuity, sharpness, subtle differencesvia easy crossing of variables
- Faster processing of insights via vizualisation
 vs. long text and sentences

At Synomia, we are convinced that...

- Al is gradually becoming a necessity for market research
- But Artificial Intelligence can't stand on its own, it works together with Human Intelligence