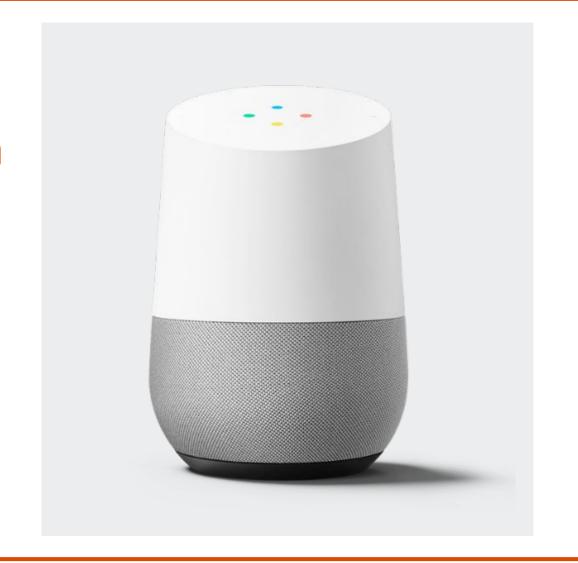
Optimizing For Voice Search & Virtual Assistants



Olga Andrienko
HEAD OF GLOBAL MARKETING
AT SEMRUSH





SEMrush Voice Search Study



20,000 QUERIES



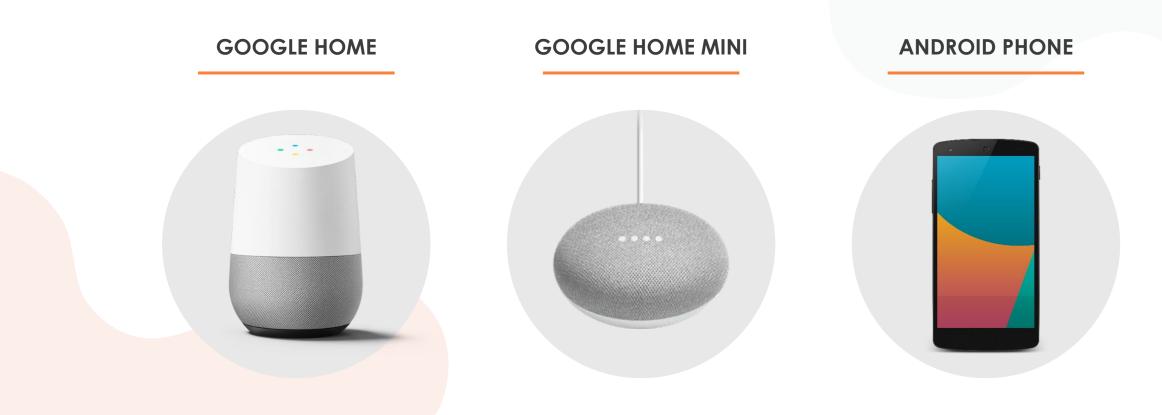


Where we got the inspiration from

We Analyzed 10,000 Google Home Results. Here's What We Learned About Voice Search SEO



Voice search: three devices



Digital Assistants

	ASSISTANT	ALEXA CORTANA		SIRI	
	G	a			
Operating system	Android/ Chrome	Fire OS	Windows	Mac OS	
Speaker	Home/ Home Mini	Echo	Invoke	HomePod	
Data	Google	Bing	Bing	Bing/Google	

	ASSISTANT	ALEXA	CORTANA	SIRI	
	G	a			
Operating system	Android/ Chrome	Fire OS	Windows	Mac OS	
Speaker	Home/ Home Mini	Echo	Invoke	HomePod	
Data	Google	Bing	Bing	Bing/Google	



List of potential ranking factors



Content length



Text Complexity



Position in Google SERPs

Ranking in SERP features: Featured Snippet & PAA



Schema



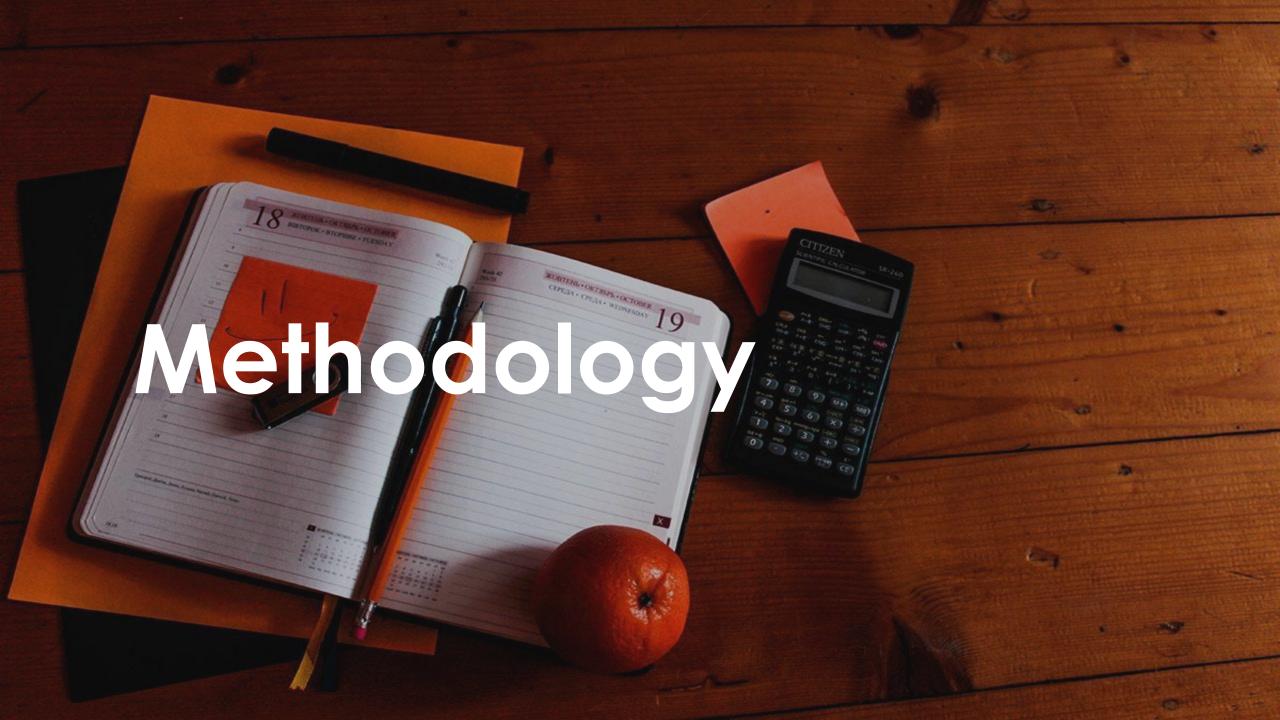
Page Performance



HTTPS



Backlinks

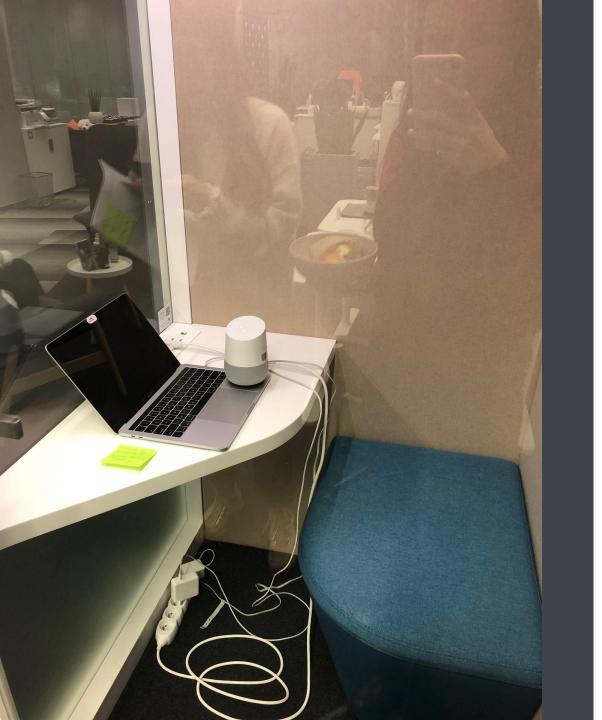




Hey Google, How are you doing?



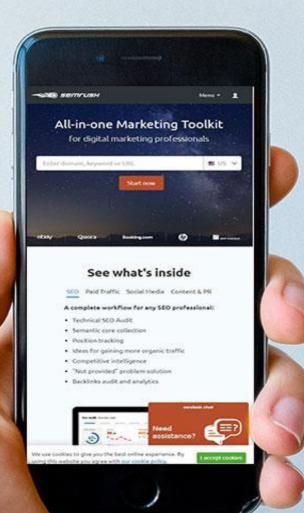
According to thatcoolwebsite.com I am doing great!



How it looked in real life?

Voice Search Study Key findings

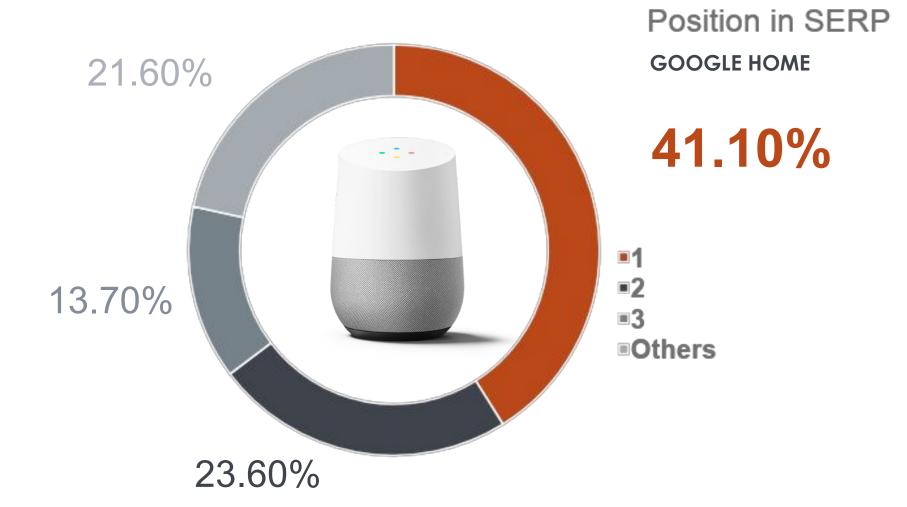
-1|1|1|1-



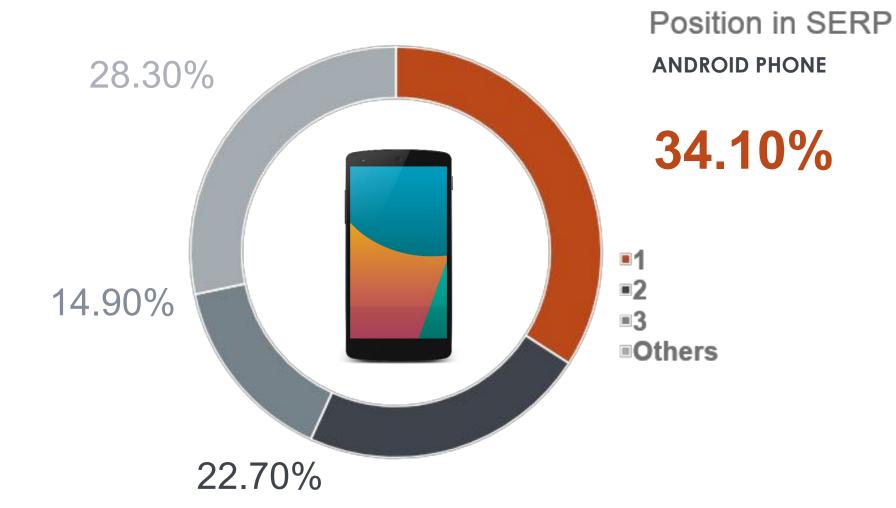
80%

of the answers are in the top 3 organic results.

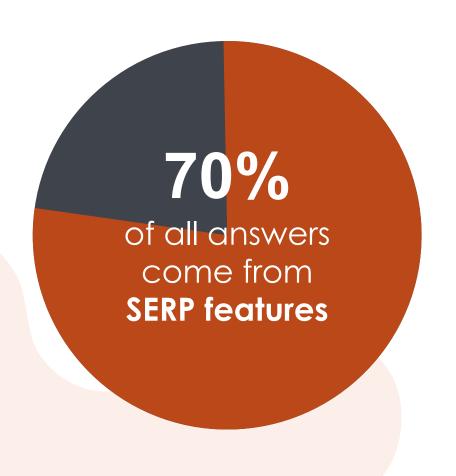
(For Android Phones, 72%).











60% |

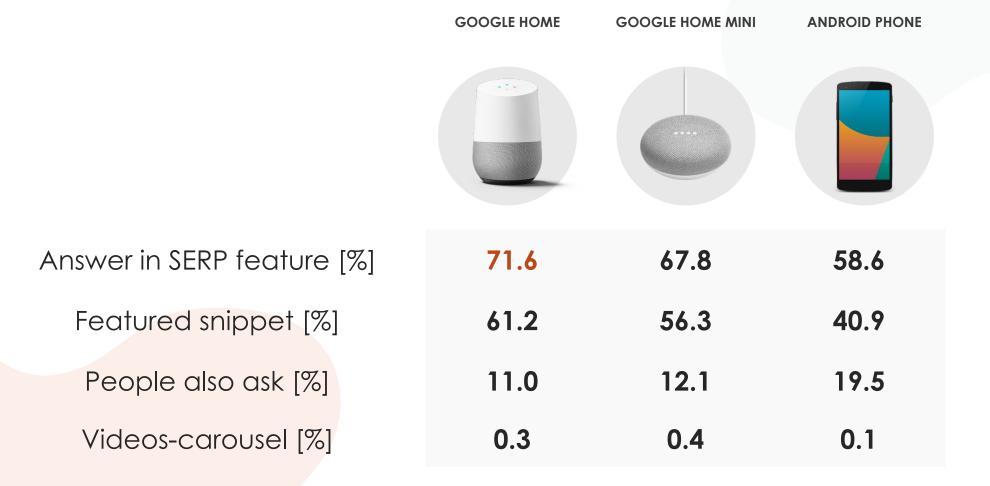
of them appearing in Feat. Snippets

11.5% \

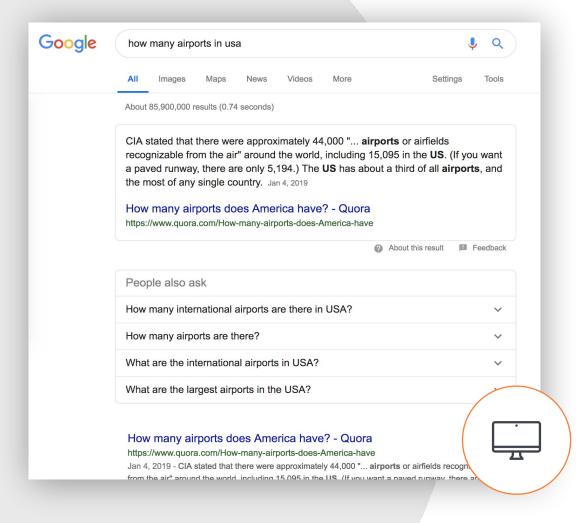


from People Also Asked

60%, 40% & 20% for Android Phones, respectively).



Result from Featured Snippet Query: How many airports in USA?

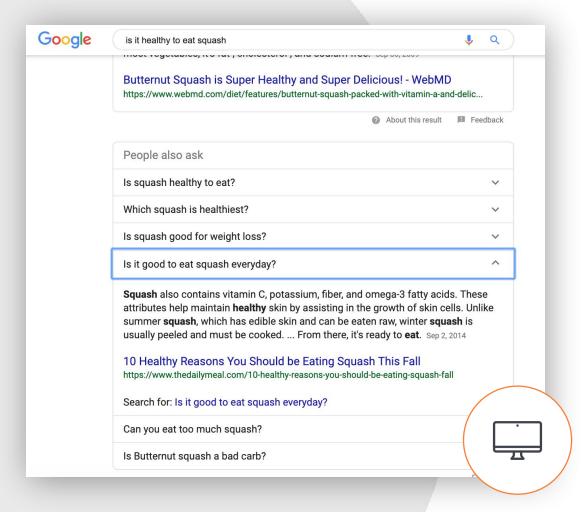


According to Quora: As of 2009, the CIA stated that there were approximately 44,000 airports or airfields recognizable from the air around the world, including 15,095 in the US.

DESKTOP

GOOGLE ASSISTANT

Result from People Also Ask Query: Is it healthy to eat squash?

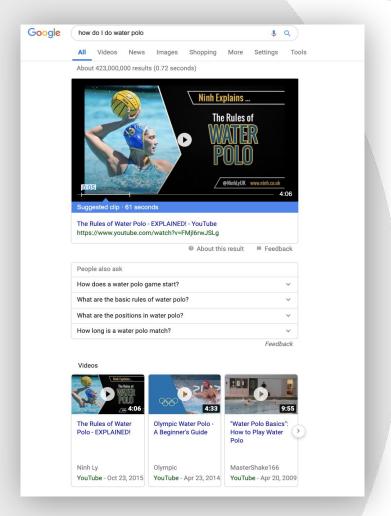


On the website thedailymeal.com, they say:. These attributes help maintain healthy skin by assisting in the growth of skin cells.. Unlike summer squash, which has edible skin and can be eaten raw, winter squash is usually peeled and must be cooked.

DESKTOP

GOOGLE ASSISTANT

Result from Video Carousel Query: How do I do water polo?





According to Wikipedia:. Water polo is a competitive team sport played in the water between two teams.. The game consists of four quarters in which the two teams attempt to score goals by throwing the ball into the opposing team's goal.

DESKTOP

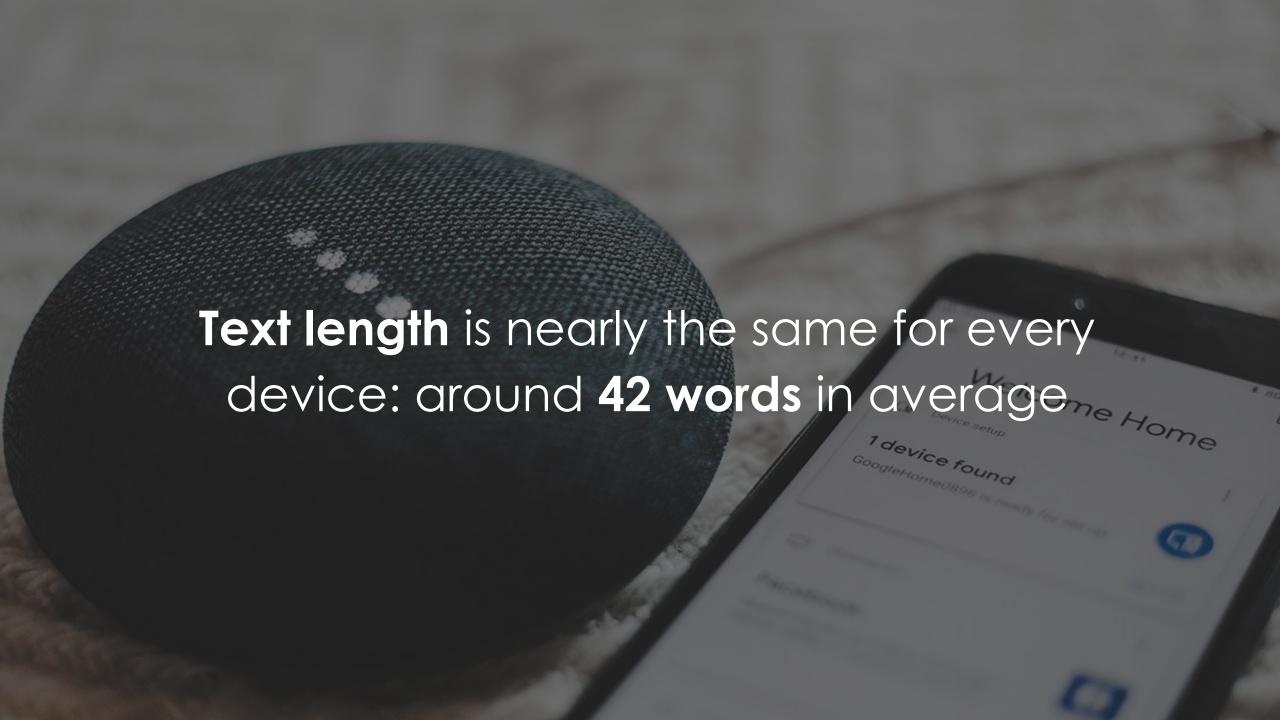
GOOGLE ASSISTANT

Examples of questions appearing as a Featured Snippet on Google Home / Home Mini, but not as a SERP feature on the Android Phone

Q

which country is the largest producer of goji berry
which country is the largest producer of Apple
which country has the most clothes
when was Dalian founded
what was the profession of Woodrow Wilson before fame
what should I see in Portugal
what should I see in Nicaragua
what should I see in Dominican Republic





On the website dictionary.com, they say: without interest or concern; not caring; apathetic: his indifferent attitude toward the suffering of others. having no bias, prejudice, or preference; impartial; disinterested. neither good nor bad in character or quality; average; routine: an indifferent specimen.

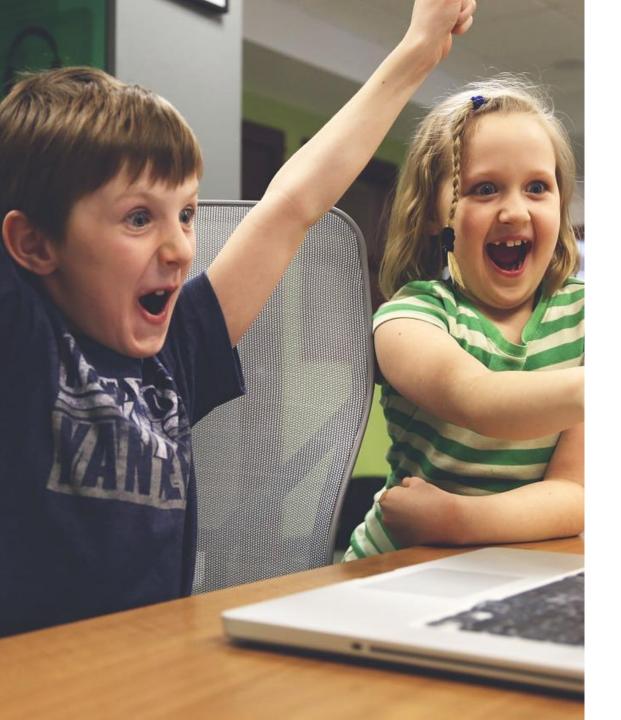


(**Question:** give me a good example of indifferent)

Example of answer containing 42 words



Text complexity ranks around 8 on the Flesch Kincaid Grade



In general, the results from voice search are understandable to the average 15-year-old.

Android results use lower difficulty

Text complexity (readability, difficult words, length of words/sentences) is **higher in Google Home devices**. Since a user might opt to read the text of the answer on the screen of an Android Phone, it seems that Google **favours lower text complexity** in this case.

Coleman Liau index

Difficult words

Flesch reading ease

GOOGLE HOME	GOOGLE HOME MINI	ANDROID PHONE
10.3	10.3	11.0
9.3	9.2	8.4
62.2	62.6	56.0

GOOGLE HOME MINI

ANDROID PHONE

GOOGLE HOME



GOOGLE HOME MINI

42%

Percentage of answers containing a link



GOOGLE HOME 40%



ANDROID PHONE

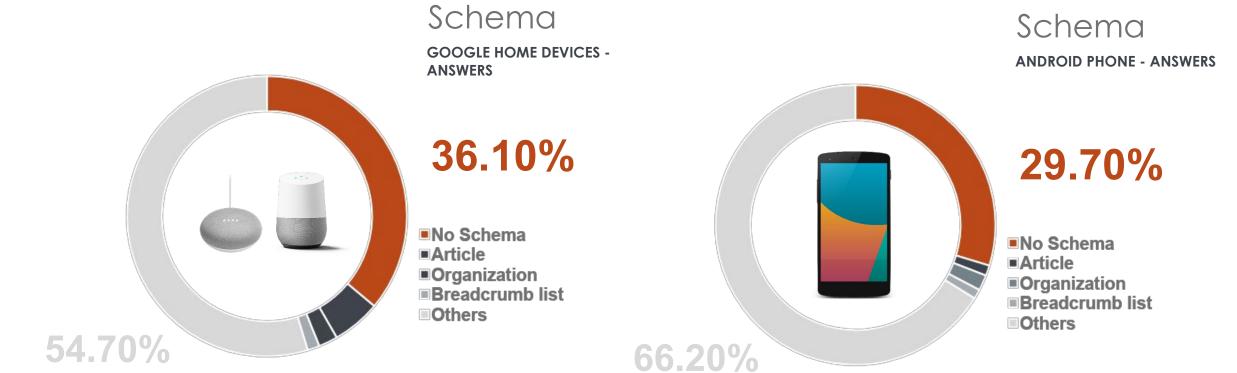
18%



Backlinks anchors & title keywords are slightly more present in the answer urls for Google Home and Google Home Mini devices. For the Mobile device the difference is not statistically relevant

Technical SEO Factors









GOOGLE HOME MINI

ANDROID PHONE



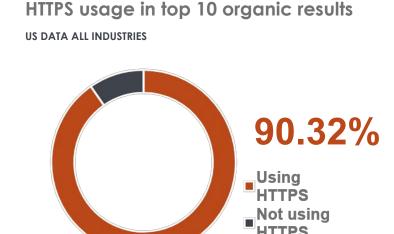




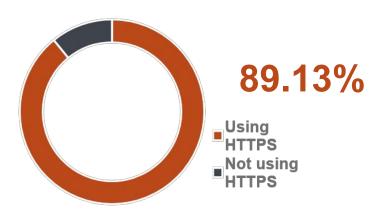
[%]	Answer	Others	Answer	Others	Answer	Others
No schema	36.1	28.8	36.1	28.1	29.7	33.1

HTTPS is not a factor already

Most results within the Google's top 10, and beyond, had already added that extra layer of security



HTTPS usage in top 20 organic results
US DATA ALL INDUSTRIES



Speed indicators seem to be important for all devices. For a majority of questions, the answer chosen by **Google**loads faster than the average page in the SERP.



@olgandrienko







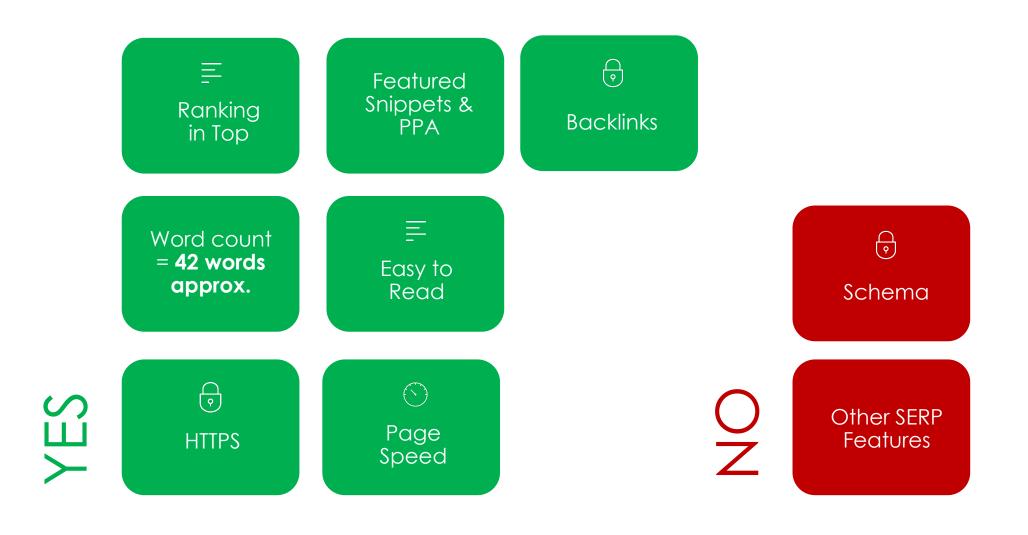


	Answer	Others	Answer	Others	Answer	Others
time-to-interactive	3.02	3.09	3.06	3.17	3.33	3.13
ttfb	0.5500	0.6414	0.5464	0.6425	0.6401	0.6341

Page Speed for answers and non-answers

		Query	Speed of Answer (milliseconds)	Average Speed of Non-Answer (milliseconds)	Answer is X Times Faster
	GOOGLE HOME / MINI	Where does a bird live	207	3059.2	14.8
	GOOGLE HOME / MINI	What are the rules of horse ball	260	3435.5	13.2
	ANDROID	What is the typical size of a monitor	230	2267.8	9.9
	ANDROID	Best recipes from New Zealand	701	4478.0	6.4

Summary: 8 ranking factors analyzed



SEMrush voice search poll (May 15)



"The world hasn't completely shifted to voice, nor do we expect it to. Screens bring a completely new canvas for conversational Al, where we can bring together voice and touch in an intelligent way."



Scott Huffman

VP OF ENGINEERING

AT GOOGLE

"In the US, on our mobile app in Android, **1 in 5 queries...**



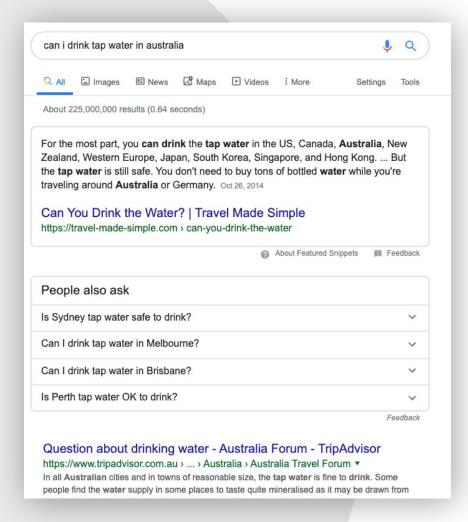
SUNDAR PICHAI

CEO Google i/o 2016 keynote 20%

of our queries are voice queries and that share is growing."



What SEOs should focus on today

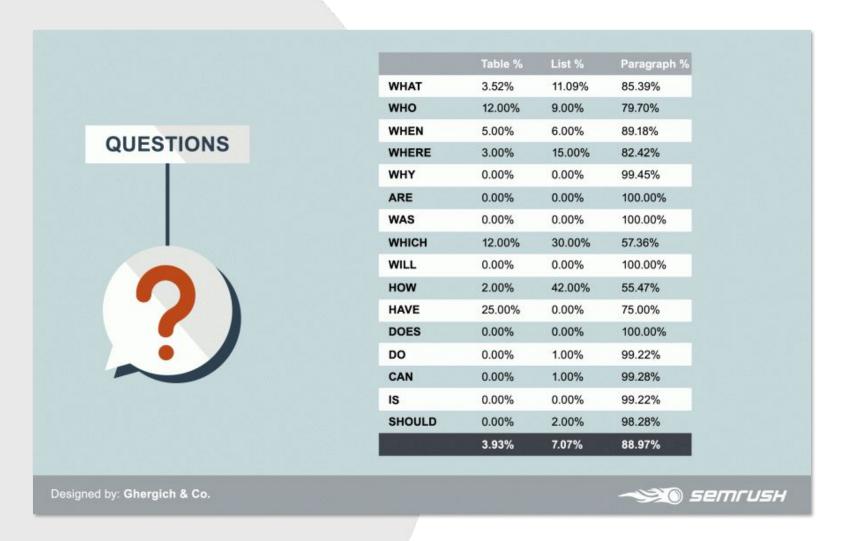


FEATURED SNIPPETS



PEOPLE ALSO ASK

Breaking Down Featured Snippet Questions

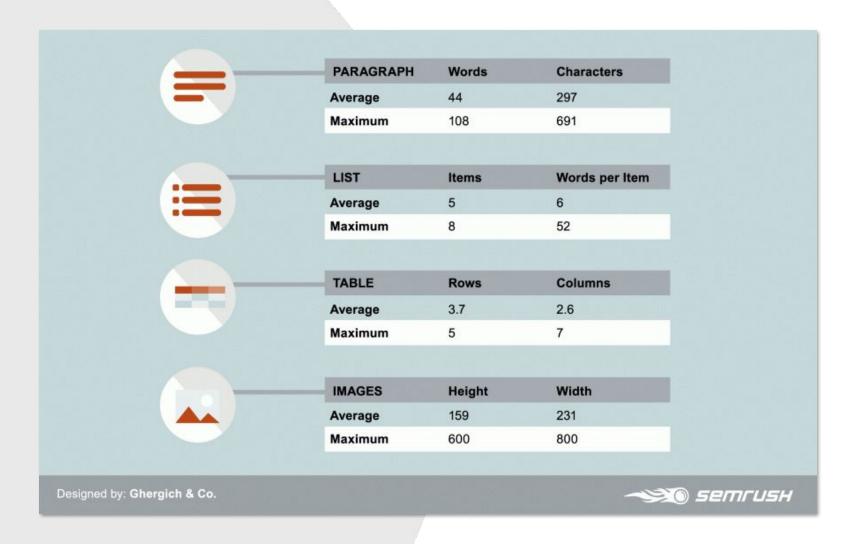


89%

of questions should be optimized for paragraph featured snippets.

Voice search is about PARAGHRAPHS

Breaking Down Featured Snippet Questions

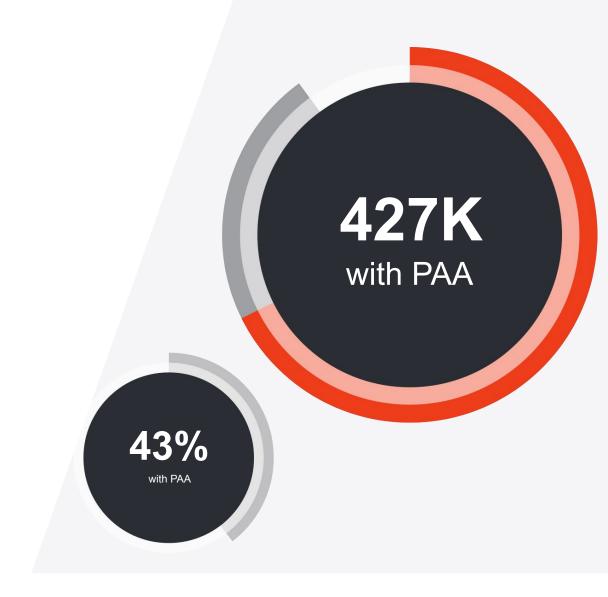


To optimize for paragraph featured snippets, craft succinct paragraphs in the 40 to 60-word range, or roughly 350 characters

Percentage of PAAs

- 1M KW analysed
- 427,000 with PAA -> 43%

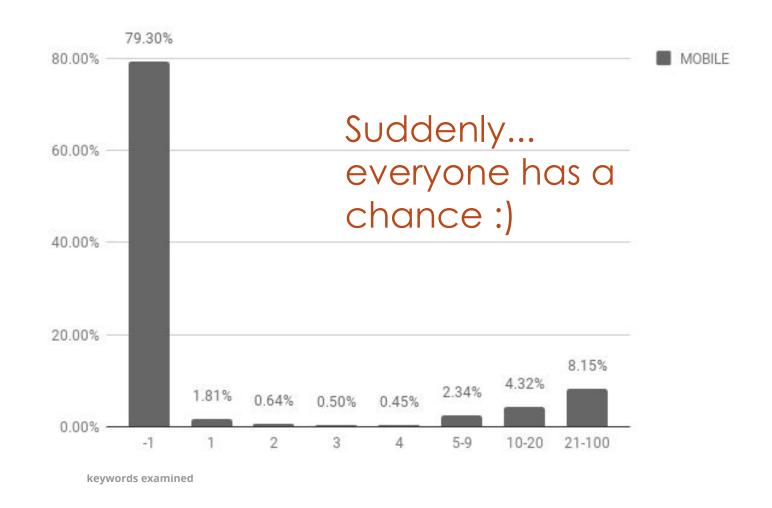




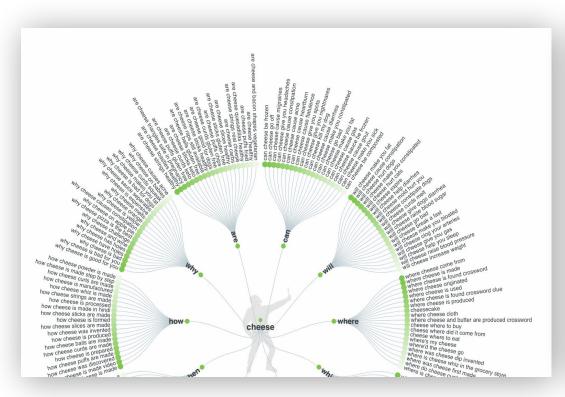
Positions of the sites presented in the PAA box

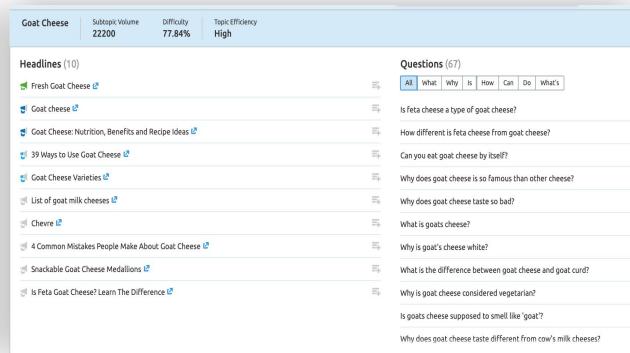
- ~80% of PAA don't rank in organic results by the keywords examined
- ~ 2.3% of PAA come from position 5-9
- ~ 4.3% of PAAs are generated from positions 10-20
- ~ 8.2% sites with outside the TOP 20 position appear in PA





Tools that help with Featured Snippets and PAAs





ANSWER THE PUBLIC

TOPIC RESEARCH BY SEMRUSH

Interested in learning more?



Find the full study here: bit.ly/voice-search-semrush

