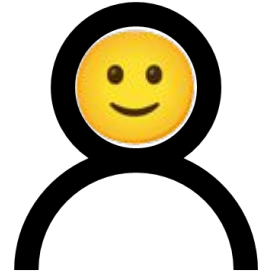
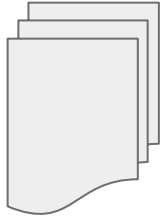
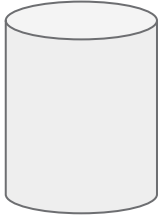
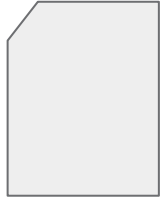


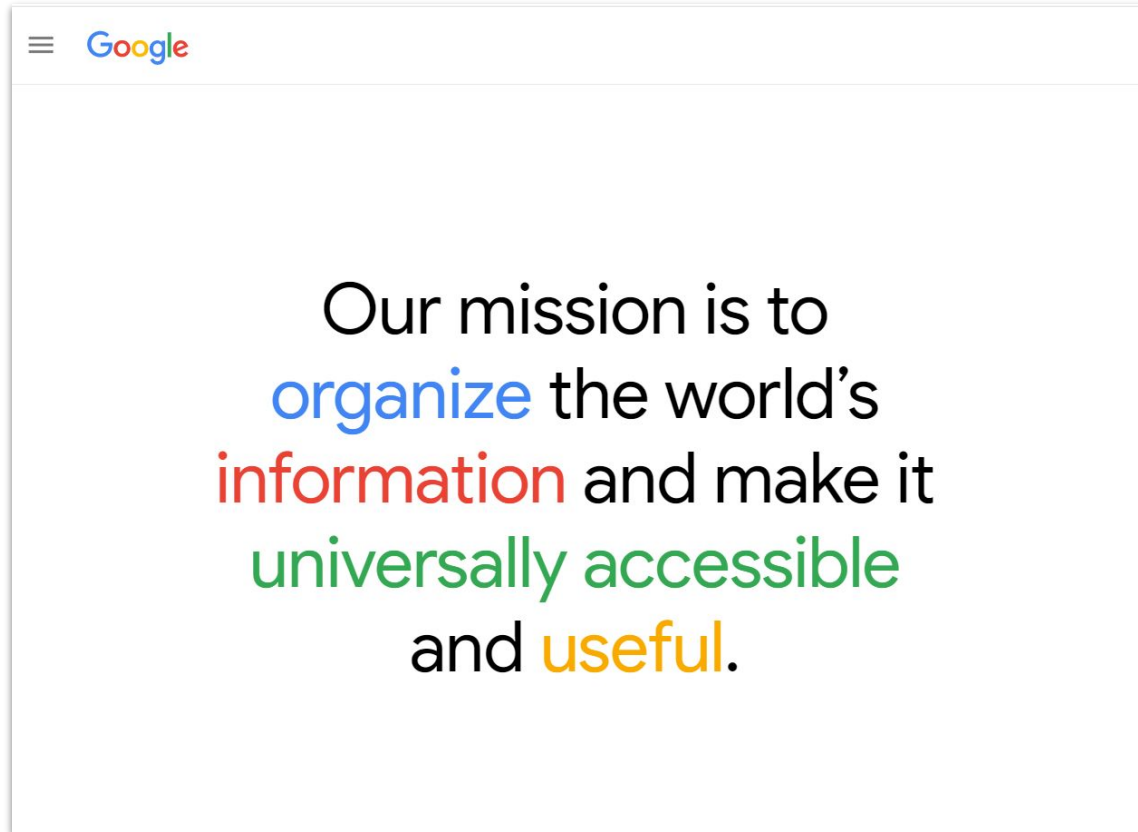
Forget Facets, welcome Refinements (TM)

@lucianprecup
@a2lean
#MICES2021
2021-06-30

Search engines? What for?



Access to information



Search engines ?



Find



Inspire

Facets? What for?

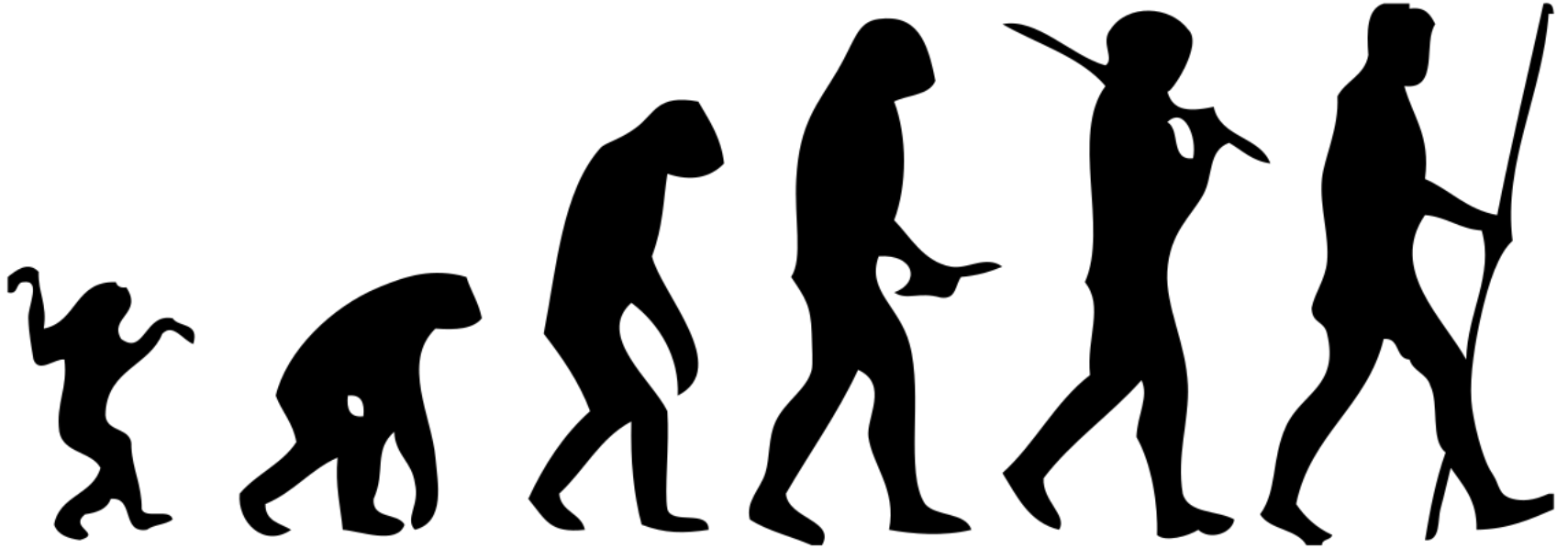


Refine



Overview

A quick look back on facets





RECHERCHES

2201 RESULTATS TROUVES

Essayez avec cette orthographe : DUJARDIN

Trier les résultats par

Pertinence

**M. Denis DUJARDIN** - Prospect Particulier - A1001 / 010101011

2 RUE DE PARIS, 75000 PARIS

Intermédiaire : 00000A

**Mme Patricia DUJARDIN** - Prospect Particulier - A2001 / 010101012

1 RUE DE VERSAILLES, 78000 VERSAILLES

Né(e) le: 31/12/2012 | Intermédiaire : 10001A

**M. Philippe DUJARDIN** - Prospect Particulier - A0006 / 010202020

25 B RUE DU VILLAGE, 59000 METZ

Né(e) le: 01/01/1970 | Intermédiaire : 10000A

**DUJARDIN** - Prospect Entreprise - A0007 / 012012012

17 BOULEVARD DU GENERAL DE GAULLE, 75000 Paris

Intermédiaire : 600000

**SARL DUJARDIN** - Prospect Entreprise - A1234 / 101010101

12 RUE DE LA MONTAGNE, 93000 SAINT DENIS

SIRET : 11008800000010 | Intermédiaire : 15000A

AFFINER LA RECHERCHE

▼ Type client

- ☐ Prospect (1647)
- ☐ Client (397)
- ☐ Ancien client (157)

▼ Nature personne

- ☐ Particulier (1939)
- ☐ Professionnel (116)
- ☐ Entreprise (114)
- ☐ Autre (28)
- ☐ Copropriété (3)
- ☐ Association (1)

[Effacer les filtres](#)



Rayons
Promo, épicerie...

Maison & High Tech
Il y a du nouveau !

Services
Voyage, spectacle...

Trouver un magasin

Mes listes

Me connecter



Choisir Drive ou la livraison pour commencer vos courses

Affiner

Affiner par rayon

- ☐ Fruits et Légumes 77
- ☐ Viandes et Poissons 9
- ☐ Crèmerie 1
- ☐ Charcuterie 1
- ☐ Traiteur 65

VOIR PLUS

Marque

- ☐ CARREFOUR 89
- ☐ JARDIN BIO 18
- ☐ PANZANI 14
- ☐ SACLA 14
- ☐ MIX BUFFET 10

« tomate »

469 résultats

Trier par **Pertinence**



DECOUVRIR

Prix imbattable!

Tomates rondes en grappe

le kilo
1,39 € / Kilogramme



FRANCE

1,39€



Tomate ronde en grappe cocktail

la barquette de 350 g
5,71 € / Kilogramme



FRANCE

2,00€



Tomate Cerise rouges rondes

la barquette de 1 kg
3,50 € / Pièce



MAROC

3,50€



Tomate Cerise rouges rondes

BFS, SANS MARQUE

Promotion

Tomates cerises rondes

la barquette de 400g

Tomate ronde noire

le kilo

Tomate côtelée rouge

le kilo

Jeudi 13 juin 2019

Did you mean : **water hygiene and sanitation**

Tips : With Diggr you can search from more than 35 differents MSF information platforms at the same time



About 153 results in 0.534 seconds

Display : 10 results per page



Order by : Relevance



Gallery



Map



Hide search filters

ALL

OOPS

OOPSMED

INSIDEOCB

MSF WEBSITES

TREASURY

SHERLOG

MAP CENTRE

Selected Filters :

MSF Websites X

eng X

LANGUAGES

☒ eng (153)☐ fra (5)☐ ara (1)☐ zho (1)

DATES OF TOPIC

PRODUCT

SOURCES

ORGANISATION

☐ Médecins Sans Frontières (122)☐ World Health Organization (93)☐ Drugs for Neglected

GO TO THE WATER HYGIENE AND SANITATION PAGE ON SHERLOG

GO TO THE WATER AND SANITATION PAGE ON OOPS MED

**Setting priorities for humanitarian water, sanitation and hygiene research: a meeting report | DMello Guyett et al - 2018 - Setting priorities for humanitarian water, sanitation, and hygiene research.pdf**

Last modified on 18/12/2018

<http://heldresearch.msf.org/msf/bitstream/10144/619251/1>Setting **priorities for humanitarian water, sanitation** and hygieneresearch: a meeting report MSF for **humanitarian water, sanitation** and hygiene research: a meeting report 2018, 12 (1)**Microsoft Word - The Priorities UK New 2011.doc | the_priorities_uk_2011.pdf**

Last modified on 17/12/2018

<https://evaluation.msf.org/sites/evaluation/files>**Water, hygiene and sanitation.....**9 4. Number, type and location of **water** points **Hygiene and sanitation.....****Using lot quality assurance sampling to assess access to water, sanitation and hygiene services in a refugee camp setting in South Sudan: a feasibility study | Harding E et al - 2017 - Using lot quality assurance sampling**

[Facets and Filters]

The screenshot shows the Digger search interface. At the top, the Digger logo is on the left, and navigation links like 'DASHBOARDS', 'EN', and 'Adelean Digger' are on the right. A search bar contains 'humanitarian priorities water sanitation'. Below it, a tip says: 'Tips : With Digger you can search from more than 35 different MSF information platforms at the same time'. The main results area shows 'About 153 results in 0.534 seconds' and 'Display : 10 results per page'. A horizontal bar contains tabs: ALL, OOPS, OOPSMED, INSIDE0CB, MSF WEBSITES, TREASURY, SHERLOG, and MAP CENTRE. On the left, a 'Selected Filters' section shows 'MSF Websites' and 'eng'. Below this, a 'LANGUAGES' section lists 'eng (153)', 'fra (5)', 'ara (1)', and 'zho (1)'. Further down, 'DATES OF TOPIC', 'PRODUCT', 'SOURCES', and 'ORGANISATION' are listed with expandable arrows. The main results area displays several document titles, including 'Setting priorities for humanitarian water, sanitation and hygiene research: a meeting report | DMello Guyett et al - 2018', 'Microsoft Word - The Priorities UK New 2011.doc | the_priorities_uk_2011.pdf', and 'Water, hygiene and sanitation...'. Red annotations highlight specific elements: a red oval around the top tabs, a red oval around the 'LANGUAGES' section, a red oval around the 'DATES OF TOPIC', 'PRODUCT', 'SOURCES', and 'ORGANISATION' sections, a red oval around the 'MSF WEBSITES' tab, and a red oval around the 'Facets' label. Red arrows point from the 'Facets' label to the 'MSF WEBSITES' tab, the 'LANGUAGES' section, and the 'ORGANISATION' section. A red arrow points from the 'Filters' label to the 'MSF Websites' button in the 'Selected Filters' section. A red arrow points from the 'Facets' label to the 'Water, hygiene and sanitation...' document title.

Filters

Facets

Relevant Facets

Home Schedule Tickets

Relevant Facets

Lucian Precup and Radu Pop • [Back to Haystack Europe 2019](#)

Relevant Facets by Lucian Precup and ...Watch laterShare



// Structure of the talk

- Examples of facet implementations
- Challenges with facets and possible solutions
- Challenges with facets in general and how facets can help
- Technical implementation examples are with Elasticsearch
- We are addressing less the "graphical" display of facets and more the technical issues with their relevancy



Watch on  YouTube



109 962

Tapez votre recherche ou utilisez directement les filtres ci-dessous

NOM ARTISTE [7 271] NATIONALITÉ [335] ŒUVRES EXPOSÉES [3] SECTEUR COLLECTION [7] TYPE D'ŒUVRE [375] ANNÉE CRÉATION [179] ANNÉE ACQUISITION [115] MODE

Tout déplier

Architecture	[15 227]
• Architecture	[94]
⊕ Dessin d'architecture	[13 544]
⊕ Élément d'architecture	[51]
⊖ Maquette d'architecture	[1 257]
• Maquette d'étude	[97]
• Maquette de détail	[10]
• Maquette de rendu	[51]
• Maquette de situation	[7]
• Peinture d'architecture	[10]
• Photographie d'architecture	[141]
• Sans domaine déterminé	[12]
Arts plastiques	[89 022]
⊕ Design	[5 678]
⊕ _Autre discipline	[1]

Hierarchical facets



All Departments ▾ bike



NextDay delivery



Delivering to 94066

1 - 40 of 1,000+ results

Refine by

Price ▾

Top Brands ▾

Store Availability ▾

Sort by

Best Match



Departments

Sports & Outdoors

Bikes

All Kids' Bikes

Cruiser Bikes

Kids' BMX Bikes

[See all Sports & Outdo...](#)

[See All Departments](#)

Delivery & Pickup

☒ Show all

☐ 2-day delivery

☐ Ship to home

☐ Free pickup + discount

☐ Free pickup

☐ Free pickup today

Bicycle Type

☐ BMX Bikes

☐ Comfort & Hybrid Bikes



Kids bike buying guide

See our guide for ride on toys for kids of all ages.



ROLLBACK

Featured Item

Bonus Helmet and Accessories with Mongoose Excursion Mountain Bike!



· Buy a Mongoose Excursion mountain bike and receive a helmet, lock, and cargo bag!

\$148.00

Free delivery

Free pickup



Men's Bikes



Women's Bikes



Kids Bikes



Rollback



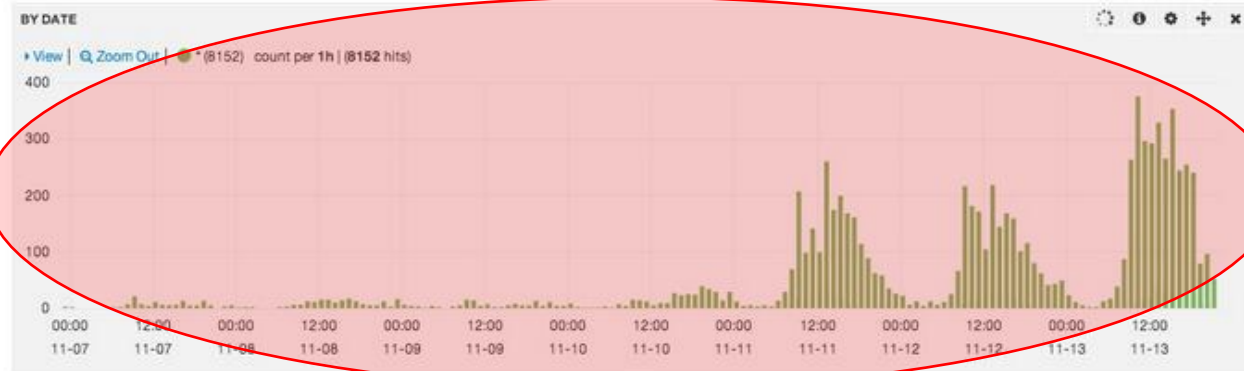
All Bike

BEST SELLER

BEST SELLER

BEST SELLER

Other “exotic” facets → Observability



TOP10 MENTION - DEVOXX

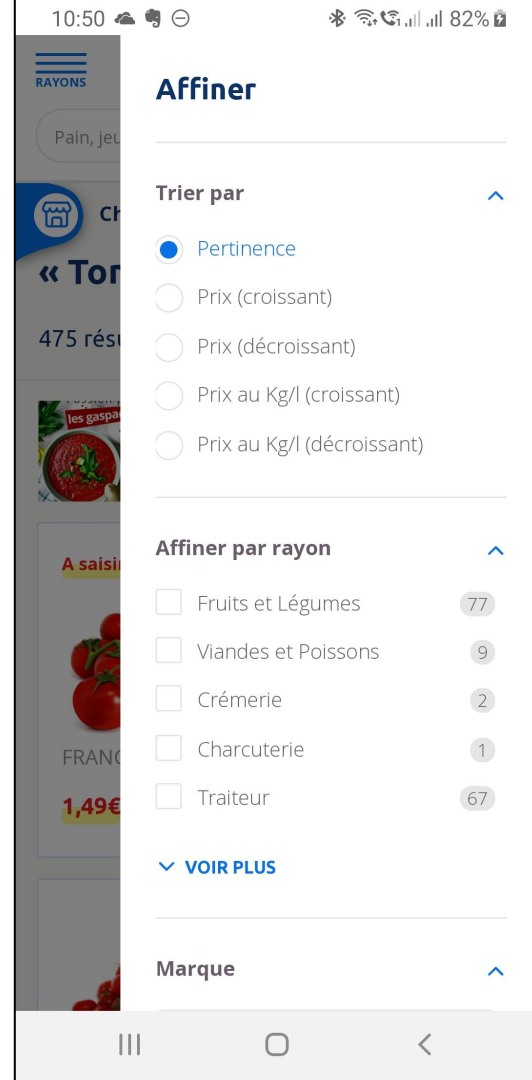
Term	Count	Action
Devoxx	589	Q
java	282	Q
BrianGoetz	179	Q
Stephan007	168	Q
agoncal	163	Q
mraible	159	Q
angularjs	151	Q
arungupta	133	Q
Parleys	116	Q
svenpet	107	Q



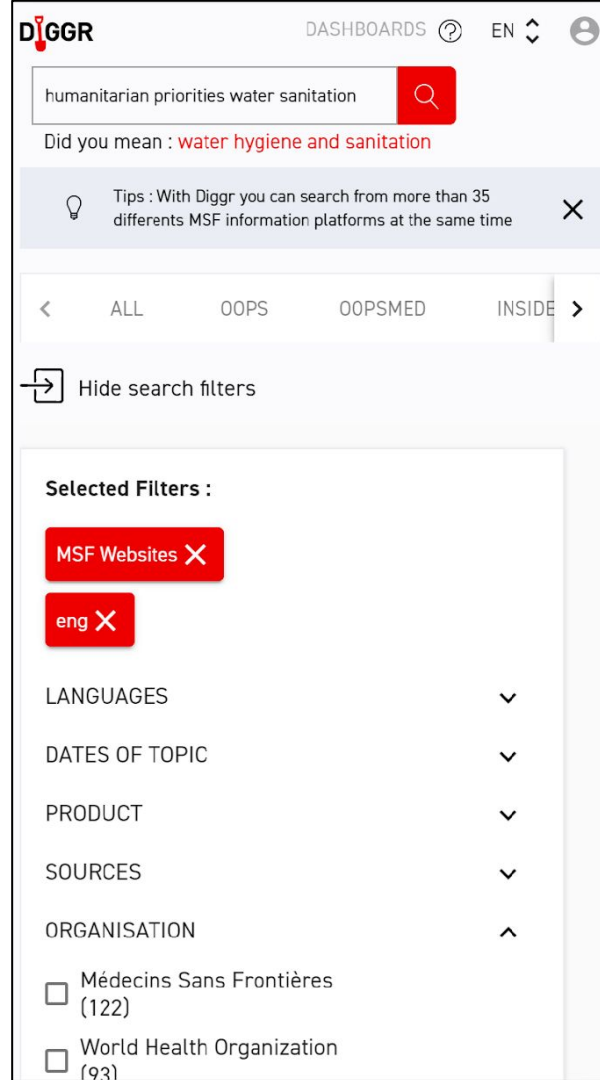
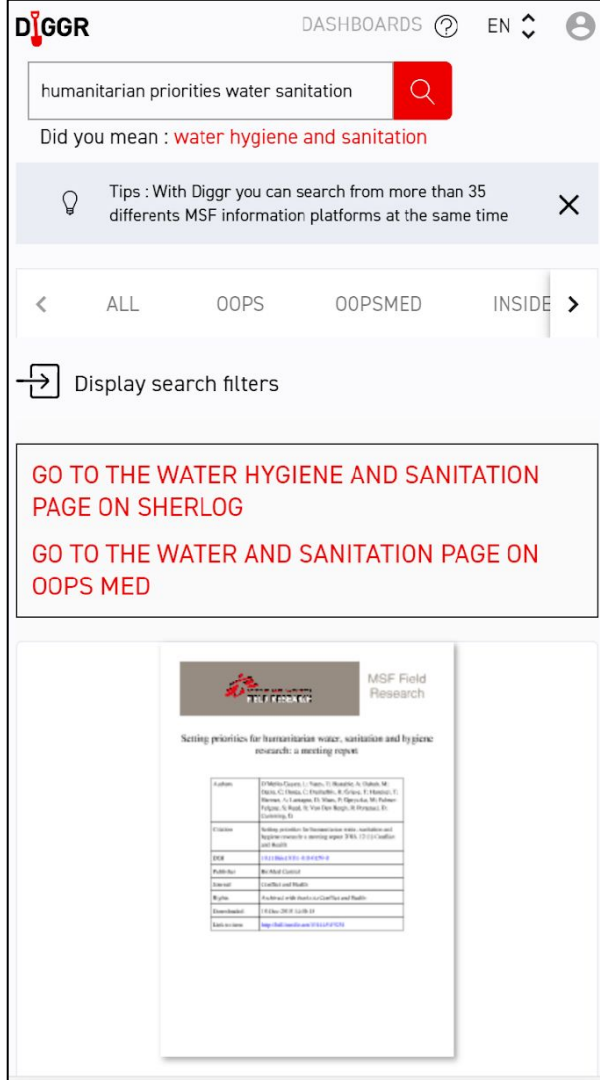
Some technical details

```
1 {  
2   "aggs": {  
3     "agg_string_facet": {  
4       "nested": {  
5         "path": "string_facets"  
6       },  
7       "aggs": {  
8         "facet_name": {  
9           "terms": {  
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11          },  
12          "aggregations": {  
13            "facet_value": {  
14              "terms": {  
15                "field": "string_facets.facet-value"  
16              }  
17            }  
18          }  
19        }  
20      },  
21    },  
22    "agg_numeric_facet": {  
23      "nested": {  
24        "path": "numeric_facet"  
25      },  
26      "aggs": {  
27        "facet_name": {  
28          "terms": {  
29            "field": "numeric_facet.facet-name"  
30          },  
31          "aggs": {  
32            "facet_value": {  
33              "stats": {  
34                "field": "numeric_facet.facet-value"  
35              }  
36            }  
37          }  
38        }  
39      },  
40    }  
41  }  
42 }
```


Facets on a mobile device



Facets on a mobile device



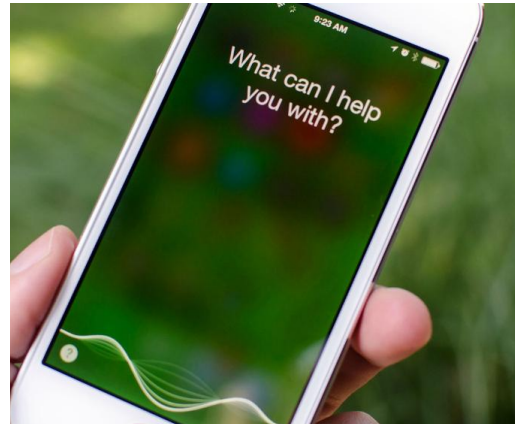
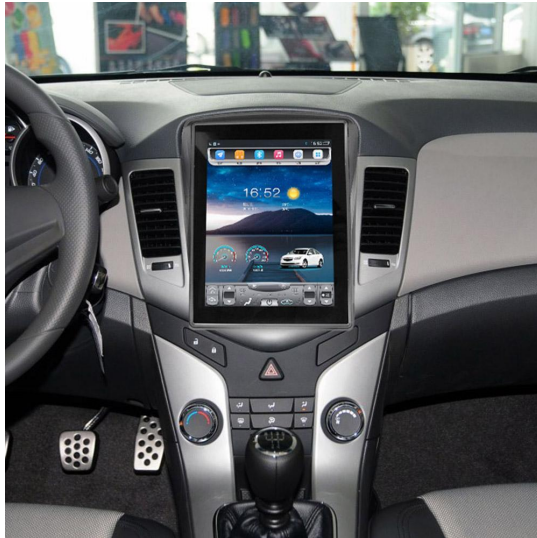
New use cases...

VOICE ONLY

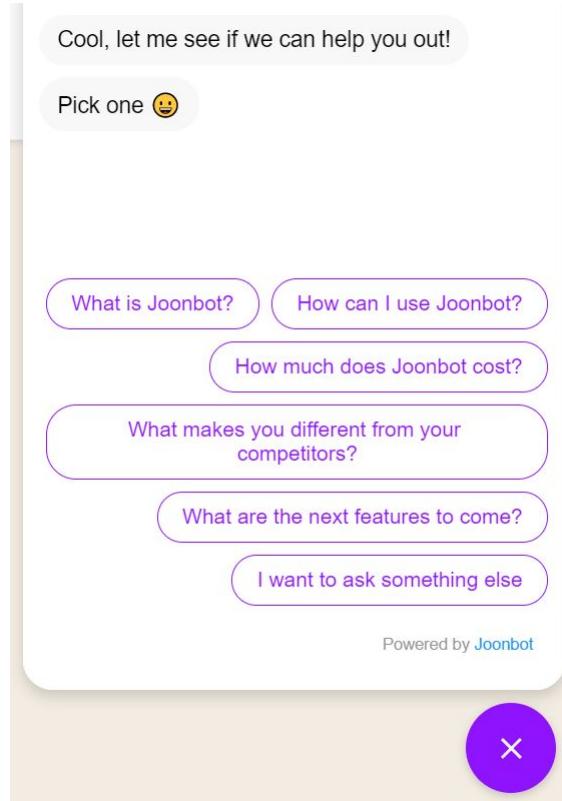


New use cases...

VOICE +
SCREEN



Chatbots



Refine or inspire ?



iphone



<https://www.apple.com> › [iphone](#) ▼ [Translate this page](#)

iPhone - Apple (FR)

Tant de raisons d'acheter votre iPhone chez Apple. Vous pouvez choisir le ...

People also ask

What is the best iPhone to get right now?



What is the price of iPhone 7 in Pakistan?



How much is an iPhone 11 in Trinidad?

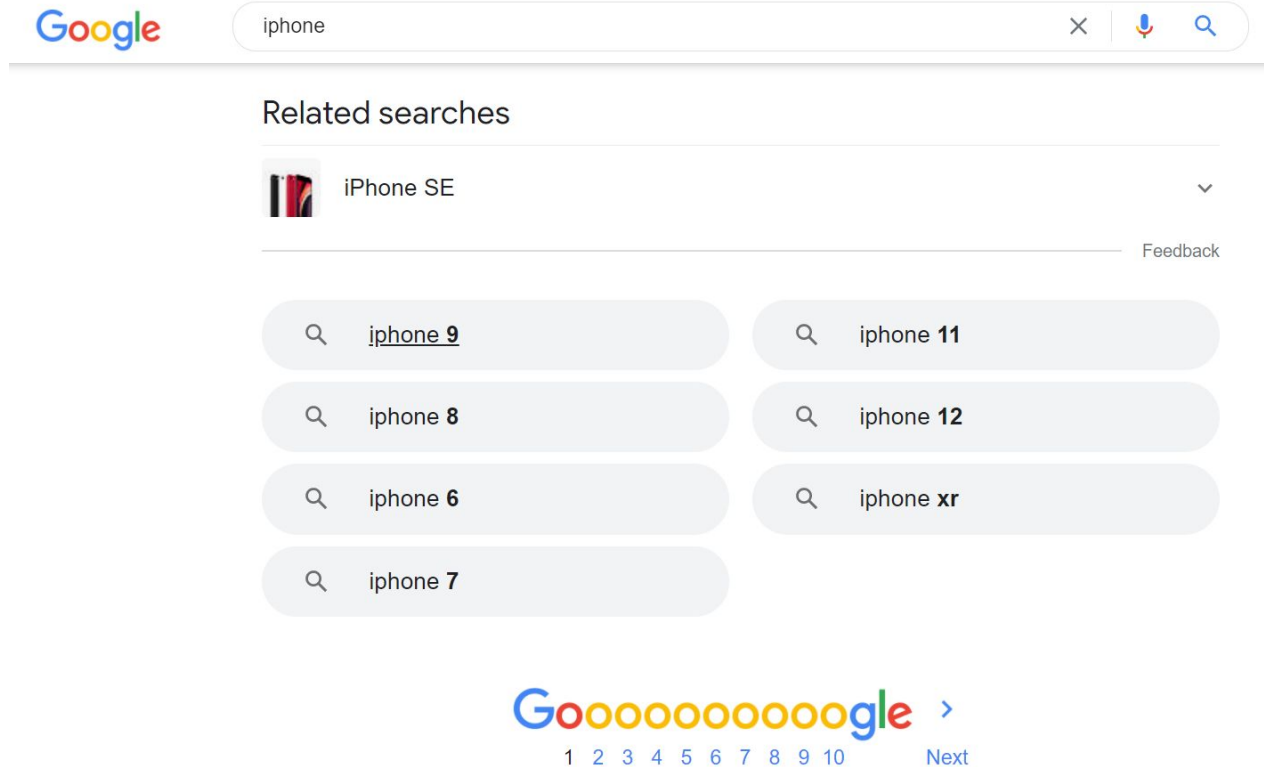


How much does the iPhone 11 cost in France?



[Feedback](#)

Refine or inspire ?



Auto-completion ? Or refinements ?

The screenshot shows the Carrefour online grocery interface. At the top, there's a navigation bar with the 'rayons' menu, the Carrefour logo, a search bar containing 'chocolat', and icons for 'Compte', 'Listes', and 'Panier'. Below the navigation bar, a banner indicates 'Cours en ligne : Drive ou Livraison' with a dropdown arrow. The main content area features five refinement filters: '+ tablette', '+ lait', '+ noir', '+ cote or', and '+ poudre'. Below these filters, it shows '2018 résultats' and a sorting option 'Trier par : Pertinence'. Three product cards are displayed, each with a heart icon for favorites. The first card is for 'Chocolat noir EXCELLENCE Lindt' (100g tablet, 14.20€/kg) with an image of the Lindt Excellence box. The second card is for 'Chocolat noir DESSERT NESTLE' (205g, 9.15€/kg) with an image of the Nestle Dessert box. The third card is for 'Chocolat dessert noir CARREFOUR ORIGINAL' (200g, 4.22€/kg) with an image of the Carrefour Original Dessert box.

rayons

chocolat

Compte Listes Panier

Cours en ligne : Drive ou Livraison

+ tablette + lait + noir + cote or + poudre

2018 résultats

Trier par : Pertinence

Chocolat noir EXCELLENCE Lindt
la tablette de 100 g
14.20 € / Kilogramme

Chocolat noir DESSERT NESTLE
les 2 tablettes de 205 g
9.15 € / Kilogramme

Prime Famille
Chocolat dessert noir CARREFOUR ORIGINAL
les 2 tablettes de 200g
4.22 € / Kilogramme

Auto-completion ? Or refinements ?



Compte

Listes

Panier

Courses en ligne : **Drive ou Livraison** ▾

+ complete

+ barilla

+ panzani

+ fraiche

+ bio

1272 résultats

Trier par : **Pertinence** ▾

**Prime Famille**

♥

**Pâtes coquillettes
CARREFOUR**

le paquet de 1 kg
0.87 € / Kilogramme



**Prime Famille**

♥

Pâtes fusilli CARREFOUR

le paquet de 1 kg
0.90 € / Kilogramme

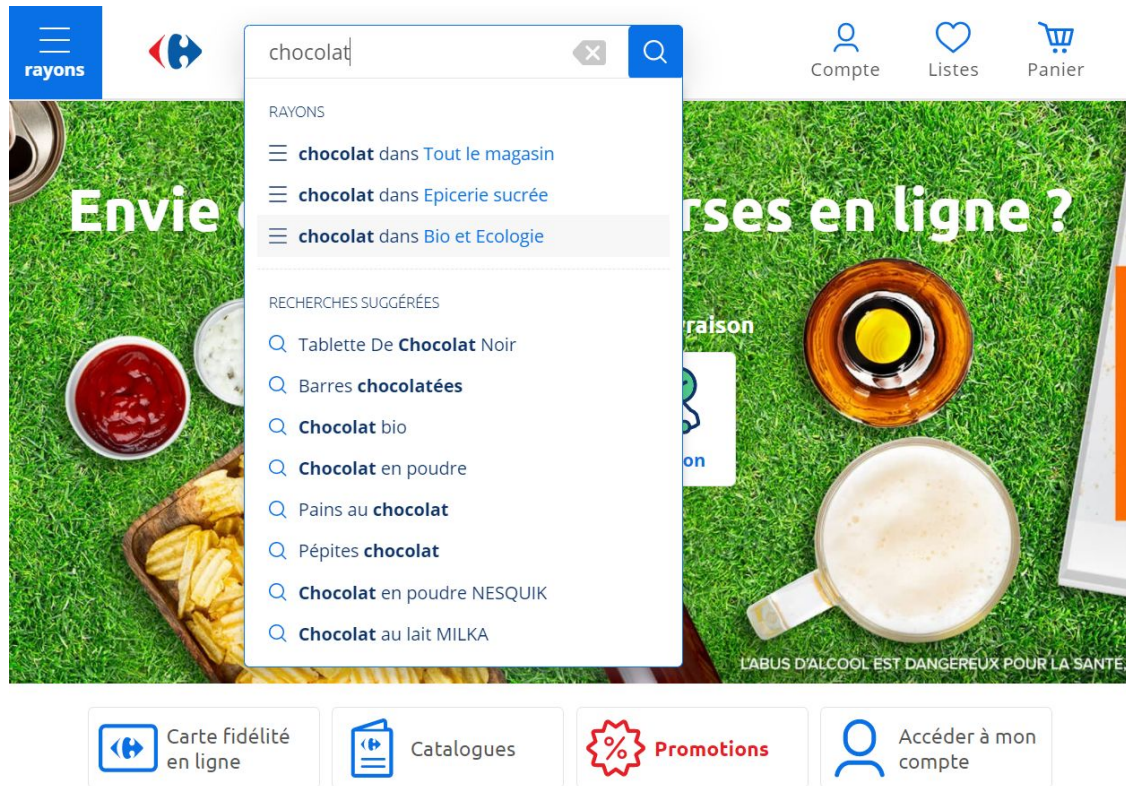


**Pâtes coquillettes
PANZANI**

le paquet de 500 g
1.50 € / Kilogramme

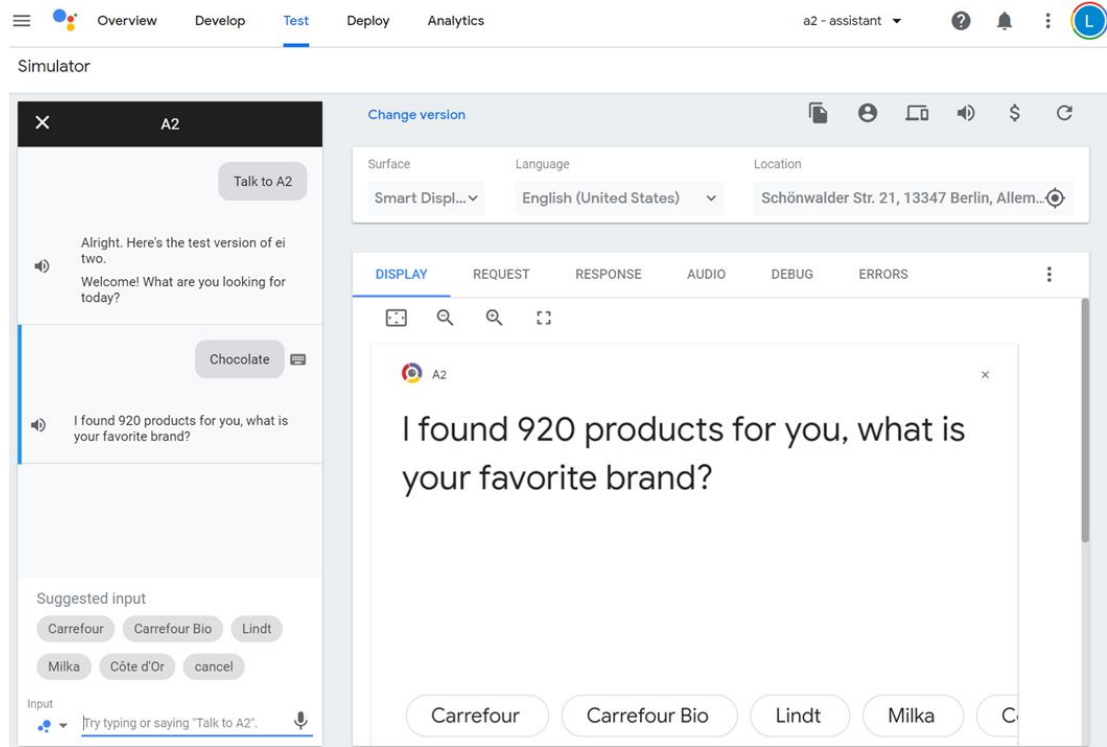


Auto-completion ? Or refinements ?





Voice assistants



SEO friendly filters

← → ↻ adidas.fr/baskets-blanc%7Cbleu%7Crouge-femmes     ⋮

BÉNÉFICIE DE LA LIVRAISON GRATUITE - INSCRIS-TOI OU CONNECTE-TOI ICI **RETOURS ET ÉCHANGES PENDANT 60 JOURS** **FAQ CORONAVIRUS**

 voir aussi **Reebok** aide échanges & retours statut de la commande cartes cadeaux inscription à la newsletter creators club se connecter

HOMMES FEMMES ENFANTS SPORTS MARQUES COLLECTIONS Rechercher    

← **RETOUR** [Accueil](#) / [Baskets](#) / [Blanc + Bleu + Rouge](#) / Femmes

BASKETS · BLANC + BLEU + ROUGE · FEMMES [768]

TAILLE ▾ **COLORIS** ▾ SPORT ▾ COLLECTION ▾ CARACTÉRISTIQUES ▾ PLUS DE FILTRES + TRIER PAR ▾

Baskets x Blanc x Bleu x Rouge x Femmes x [Annuler](#)

 
100 €
Chaussure Superstar
Femmes Originals
36 couleurs

 
100 €
Chaussure Stan Smith
Femmes Originals
33 couleurs

 
100 €
Chaussure Stan Smith
Femmes Originals
33 couleurs

 
100 €
Chaussure Stan Smith
Femmes Originals
33 couleurs

SEO friendly filters

← → ↻ adidas.fr/baskets-blanc%7Cb%7Cbleu%7Crouge-femmes

BÉNÉFICIE DE LA LIVRAISON GRATUITE - INSCRIS-TOI OU CONNECTE-TOI ICI >> **RETOUR JOURS**

 voir aussi **Reebok** aide échanges & retours statut de la commande cartes cadeau

HOMMES FEMMES ENFANTS SPORTS MARQUES COLLEC

← **RETOUR** [Accueil](#) / [Baskets](#) / [Blanc + Bleu + Rouge](#) / Femmes

BASKETS · BLANC + BLEU + ROUGE · FEMMES [768]

TAILLE ▾ **COLORIS** ▾ SPORT ▾ COLLECTION ▾ CARACTÉRISTIQUES ▾

Baskets x Blanc x Bleu x Rouge x Femmes x [Annuler](#)

SEO friendly facets

← → ↻ adidas.fr/search?q=gazelle&searchcolor=bleu%7Cblanc%7Crouge

LIVRAISON OFFERTE POUR LES MEMBRES DU CREATORS CLUB

 **HOMMES** **FEM**

← **RETOUR** [Accueil](#) / Blanc + Bleu + Rouge

Votre recherche pour:

"GAZELLE" [16]

SEXE ▼ TAILLE ▼ **COLORIS** ▼ DURABILITÉ ▼ PRIX ▼

Bleu x Blanc x Rouge x [Annuler](#)

SEO friendly filters

← → ↻ adidas.fr/baskets-rouge-femmes

BÉNÉFICIE DE LA LIVRAISON GRATUITE - INSCRIS-TOI



HOMME

← [RETOUR](#) [Accueil](#) / [Baskets](#) / [Rouge](#) / Femmes

BASKETS ROUGES POUR FEMME [22]

TAILLE ▾

COLORIS ▴

SPORT ▾

COLLECTION ▾

CARACT

Baskets x



Rouge [22]



Marron [20]



Violet [15]

← → ↻

adidas.fr/search?q=gazelle&searchcolor=blanc

BÉNÉFICIE DE LA LIVRAISON GRATUITE - IN



← [RETOUR](#) [Accueil](#) / Blanc

Votre recherche pour:

"GAZELLE" [7]

SEXE ▾

TAILLE ▾

COLORIS ▴

PRIX ▾

Blanc x

[Annuler](#)



Bleu [8]

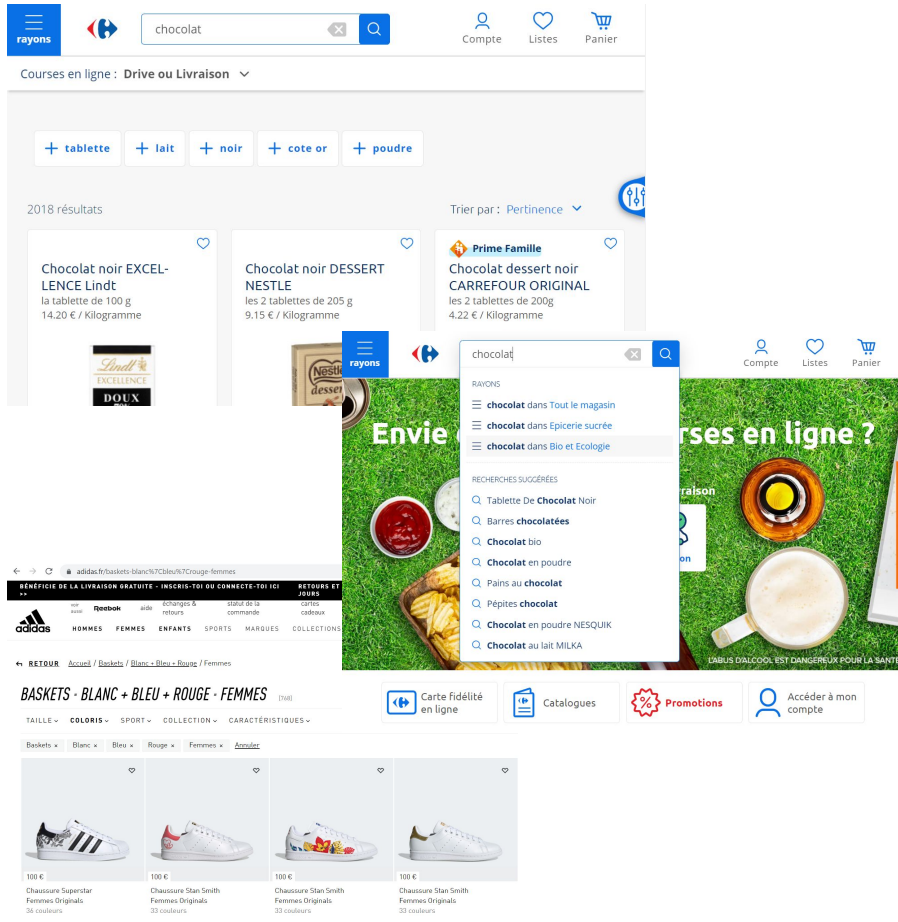


Gris [7]



Blanc [7]

Some technical details



- NLU / NLP
- Machine learning
- Signals and logs as data sources
- Specific indices
- Entity Extraction
- ...



iphone

<https://www.apple.com> » iphone » Translate this page

iPhone - Apple (FR)

Tant de raisons d'acheter votre iPhone chez Apple. Vous pouvez choisir le ...

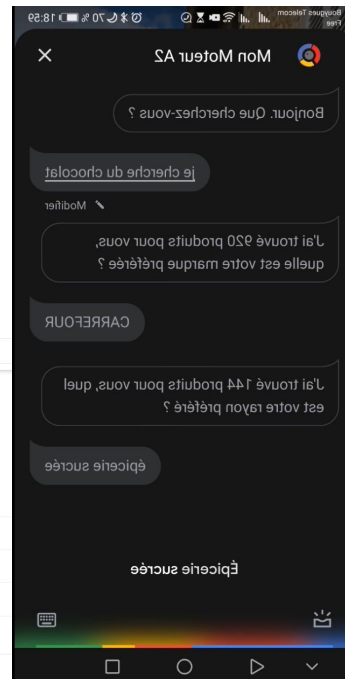
People also ask

What is the best iPhone to get right now?

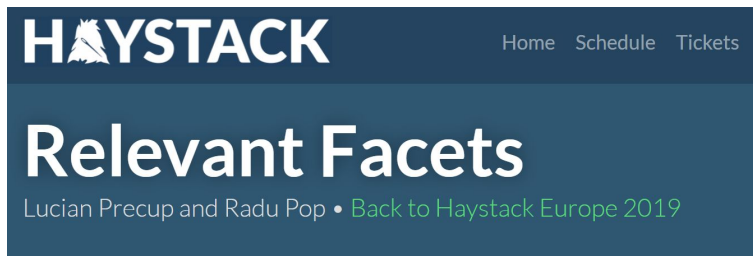
What is the price of iPhone 7 in Pakistan?

How much is an iPhone 11 in Trinidad?

How much does the iPhone 11 cost in France?



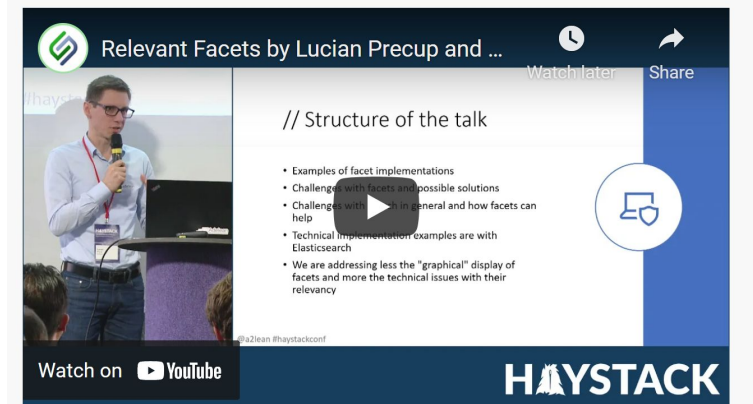
Some technical details



HAYSTACK Home Schedule Tickets

Relevant Facets

Lucian Precup and Radu Pop • [Back to Haystack Europe 2019](#)



Relevant Facets by Lucian Precup and ... Watch later Share

// Structure of the talk

- Examples of facet implementations
- Challenges with facets and possible solutions
- Challenges with facets in general and how facets can help
- Technical implementation examples are with Elasticsearch
- We are addressing less the "graphical" display of facets and more the technical issues with their relevancy

Watch on YouTube

HAYSTACK



BERLIN BUZZWORDS 2019 JUNE 16-18

10th edition

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Integrate your Search Engine with a Voice Assistant

Search

Lucian Precup

Margaux Wagner

06/18/2019 - 16:30 to 17:10

Kesselhaus

long talk (40 min)

Intermediate

Session abstract:

The User Experience on a mobile phone is different of that of a tablet and still different of that of a computer screen. You have to adapt your graphical interface, the information displayed but also the calls to your services.

<https://2019.berlinbuzzwords.de/19/session/integrate-your-search-engine-voice-assistant.html>

Querqy query rewriter

Configuring filter queries

The range for the notebooks included in the results depends on the number-unit term combination in the query as well as on configured percentages used to calculate range filter boundaries at query time. For this definition, the JSON object `filter` is added to the `numberUnitDefinition` object. The `filter` object expects two properties, `percentageLowerBoundary` defining the percentage that is subtracted from the searched number to define the lower filter range boundary and `percentageUpperBoundary` defining the percentage that is added to the searched number to define the upper filter range boundary. The default for both properties is `20`.

```
1  {
2    "numberUnitDefinitions": [
3      {
4        "units": [ { "term": "inch" } ],
5        "fields": [ { "fieldName": "screen_size" } ],
6        "filter": {
7          "percentageLowerBoundary": 20,
8          "percentageUpperBoundary": 10
9        }
10     }
11   ]
12 }
```

By using this definition, number-unit part of the query `notebook 15 inch` is rewritten to a filter query with a lower bound of $15 - 3 = 12$ and an upper bound of $15 + 1.5 = 16.5$. Consequently, all notebooks with a screen size between `12 - 16.5 inch` are included in the results (boundaries are inclusive).

What next?



Thank you



@lucianprecup
@a2lean
#MICES2021
2021-06-30