


Scaffolding Google: a set of training cards



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1 Question

- **Why do Young Researchers got too many unwanted results from Google Scholar?**
 - **Google is too big!**



2 Hypothesis

- If a potential tool to resolve the numerical problem of unwanted results has been focused on the information sources and it has not been enough; then, the attention must be focused on the Young Researchers lexical resources

3 Prediction

- Young Researchers enter one term or two, usually with no articulation between the phenomenon under study and an appropriate instrument with which they expect to achieve their research goals.

Grape seed oil during its heat treatment

57,000 Google hits

Google Scholar's offered hits will indistinctively be too many.

Testing

- If Young Researchers applied a research sentence, the results would be quite less and much more semantically articulated.

The purpose of this **thesis** is to **characterize** grape seed oil during its heat treatment through *the Nuclear Magnetic Resonance spectroscopic technique*.

10,300 Google Scholar hits

Analysis results from Google Scholar

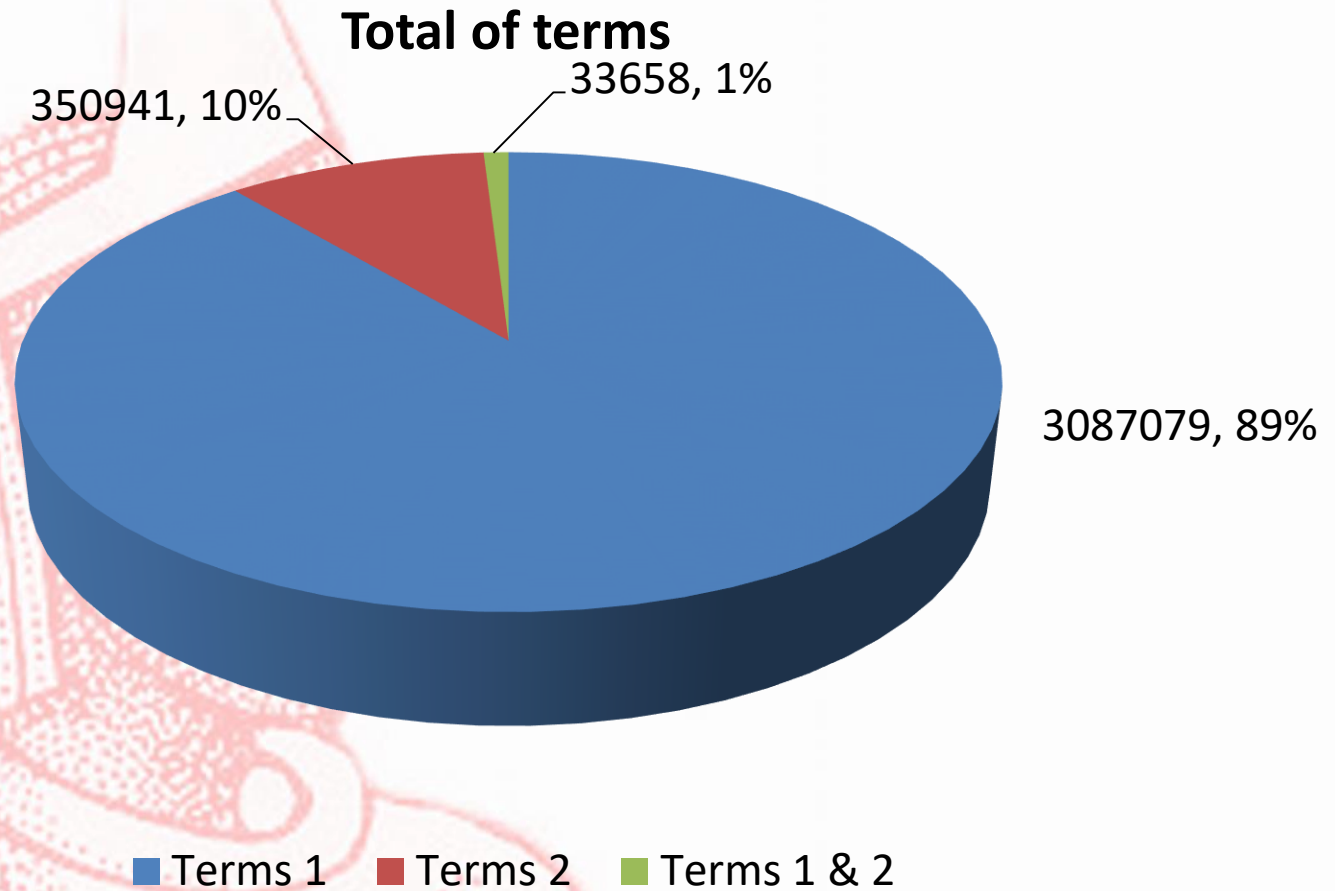
Term1	Phenomenon under study
	<u>57 000</u>
	2,740,000
	7,790
	6,050
	251,000
	19,000
	549
TOTAL:	3087079

Term 2	Instrument
	<i>1</i>
	17,200
	75,800
	34,700
	5,040
	124,000
	36,300
TOTAL:	350941

Analysis results by using a research sentence in Google Scholar

Sentences	Term1 Phenomenon under study	Term 2 Instrument	Terms 1 & 2
1	<u>57 000</u>	<i>1</i>	10,300
2	2,740,000	17,200	9,880
3	7,790	75,800	189
4	6,050	34,700	767
5	251,000	5,040	4,890
6	19,000	124,000	7,320
7	549	36,300	0
Total	3087079	350941	33658

Data interpretation



The set of cards

- This set of training cards are based on several successful applications within a course designed to publish research in indexed journals.
- It is a fresh and concrete proposal that can quickly surpass the obstacles that YR face: the lack of a writing technique to retrieve pertinent information as opposed to relevant information.

Cards characterization

- Purpose 2 cards
- Verbs 6 cards
- Direct Object 1 card
- Connector 1 card
- Instrument 1 card

Purpose: 2 cards

Infopragmatics
Method

S THE PURPOSE OF THIS
U
B • **THESIS**
• **PAPER**
J • **BOOK**
E • **MAGAZINE ARTICLE**
C • **LETTER**
T • **NOTE**
S

● Didactic **Material**

Infopragmatics
Method

S THE PURPOSE OF THIS
U
B • **INFORMAL REPORT**
J • **FORMAL REPORT**
E • **STATUS REPORT**
• **SURVEY**
C • **BENCHMARKING**
T • **PROTOCOL**
S

IS TO...

● Didactic **Material**

The kind of texts YR are supposed to write.

Verbs: 6 cards

Infogramatics
Method

K · COUNT · NAME
N · DEFINE · ORDER
O · DESCRIBE · OUTLINE
W · DRAW · QUOTE
L · FIND · RECALL
E · IDENTIFY · RECITE
D · LABEL · SEQUENCE
G · LIST · TELL
E · MATCH · WRITE

Didactic Material

Infogramatics
Method

A · ANALYZE · DIFFERENTIATE
N · CHARACTERIZE · DISCRIMINATE
A · CLASSIFY · DISTINGUISH
L · COMPARE · EXAMINE
Y · CONTRAST · OUTLINE
S · DEBATE · RELATE
I · DEDUCE · RESEARCH
S · DIAGRAM · SEPARATE

Didactic Material

Infogramatics
Method

E · APPRAISE · JUDGE
V · ARGUE · JUSTIFY
A · ASSESS · PREDICT
L · CHOOSE · PRIORITIZE
U · CONCLUDE · PROVE
A · CRITIC · RANK
T · DECIDE · RATE
I · EVALUATE · SELECT
O
N

Didactic Material

Infogramatics
Method

C · CONCLUDE · PARAPHRASE
O · DEMONSTRATE · PREDICT
M · DISCUSS · REPORT
P · EXPLAIN · RESTATE
R · GENERALIZE · REVIEW
E · ILLUSTRATE · SUMMARIZE
H · INTERPRET · TELL
E
N
S
I
O
N

Didactic Material

Infogramatics
Method

A
P · APPLY · PRODUCE
P · CHANGE · ROLE-PLAY
L · CHOOSE · SELECT
I · COMPUTE · SHOW
C · DRAMATIZE · TRANSFER
A · INTERVIEW · USE
T · PREPARE
I
O
N

Didactic Material

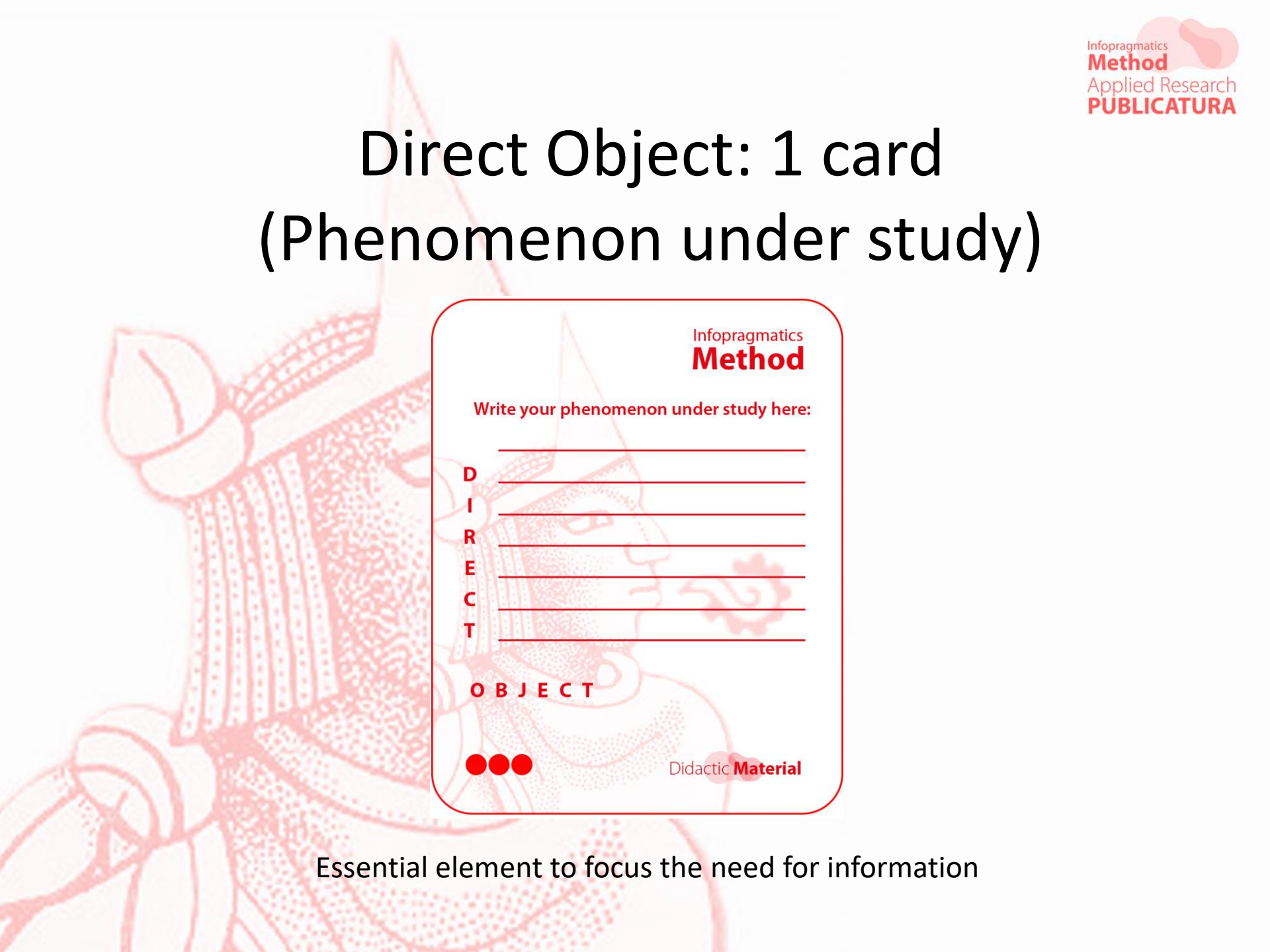
Infogramatics
Method

S
Y · COMPOSE · MAKE
N · CONSTRUCT · ORGANIZE
T · CREATE · PERFORM
H · DESIGN · PLAN
E · DEVELOP · PRODUCE
S · INTEGRATE · PROPOSE
I · INVENT · REWRITE
S

Didactic Material

Bloom's taxonomy verbs offers a quick reference and a great lexical availability to Spanish speakers.

Direct Object: 1 card (Phenomenon under study)



Infopragmatics
Method

Write your phenomenon under study here:

D _____

I _____

R _____

E _____

C _____

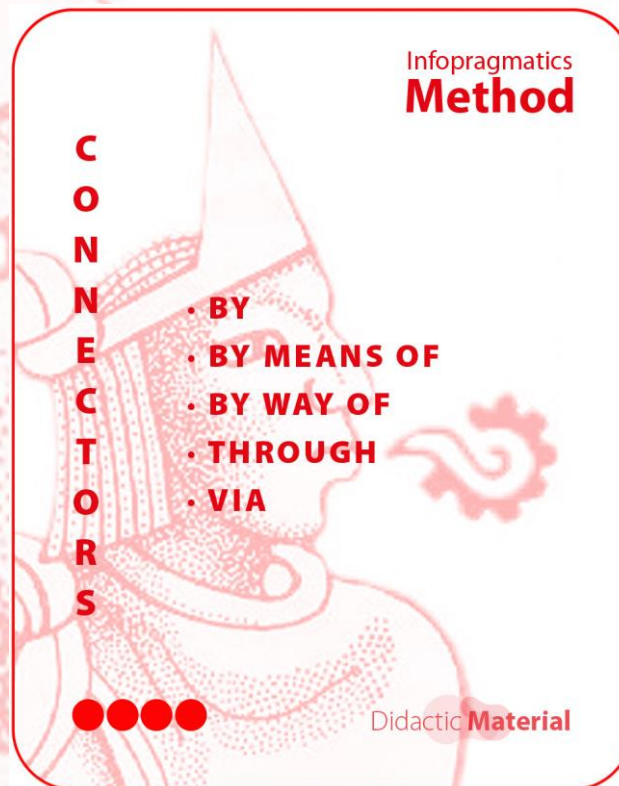
T _____

OBJECT

●●● Didactic **Material**

Essential element to focus the need for information

Connectors: 1 card



This card sets the way to instruments.

Instruments: 1 card



Infopragmatics
Method

**I
N
S
T
R
U
M
E
N
T
S**

- **AGENT**
- **APPARATUS**
- **APPLICATION**
- **COMPASS**
- **CONTROL**
- **DETECTOR**
- **DEVICE**
- **INTERVIEW**
- **MACHINE**
- **REVIEW**
- **STATE OF THE ART**
- **SURVEY**
- **TOOL**

Didactic **Material**

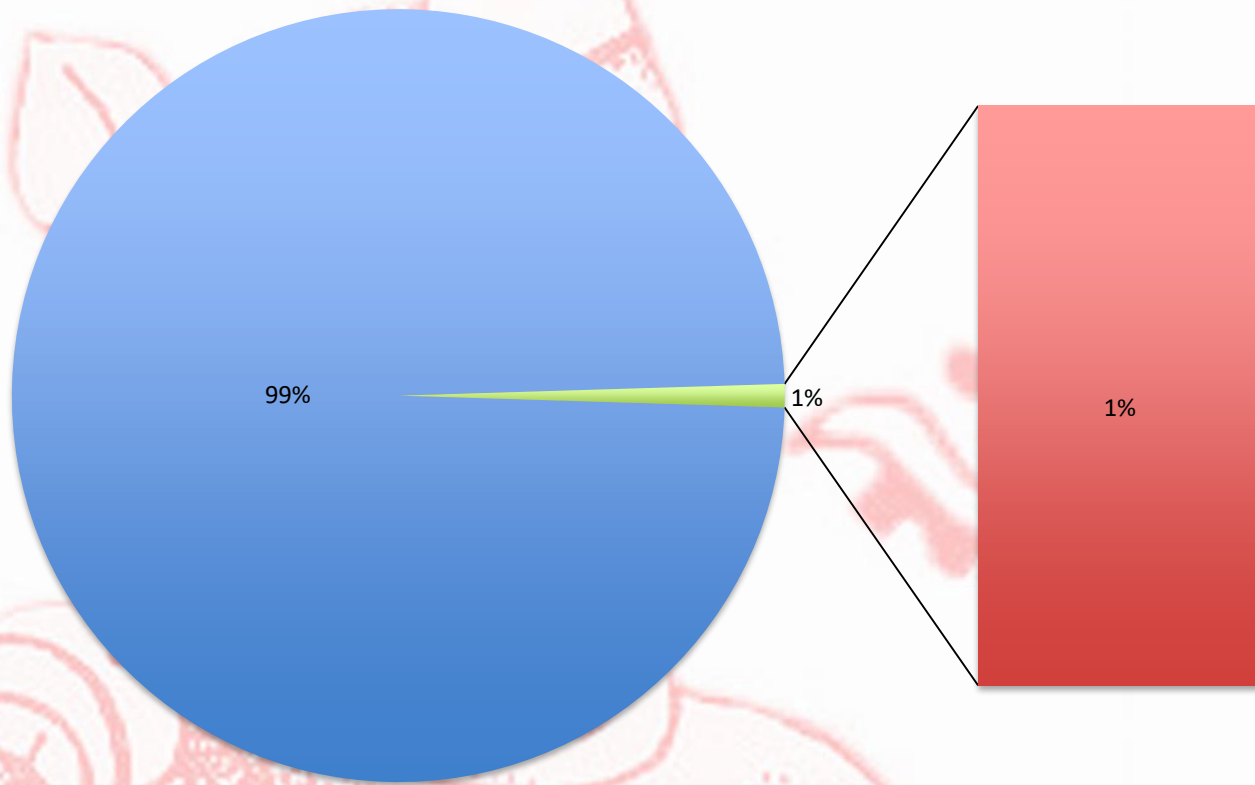
Any element of this list fastens a complete idea

Conclusions

- Based on the previous evidence, it is clear to affirm that this set of training cards offers a practical way to scaffold Google:

Terms 1 and 2 searched separately	Terms 1 and 2 included in a research sentence
3087079	Phenomenon under study
350941	Instrument
Total: 3,438,020	33,658

Finale



- Google Scholar
- Google Scholar Scaffolded

Grazie mille!

