

台灣語奧 TOL

2019/07/17

And more specifically my full name:

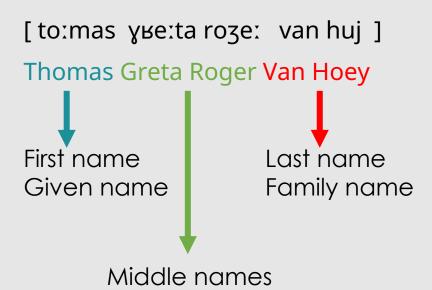
Thomas Greta Roger Van Hoey

And more specifically my full name:

[toːmas ɣʁeːta roʒeː van huj]

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First name
Given name

Middle names

Van Hoey

→ 'from Hoey'

Family name



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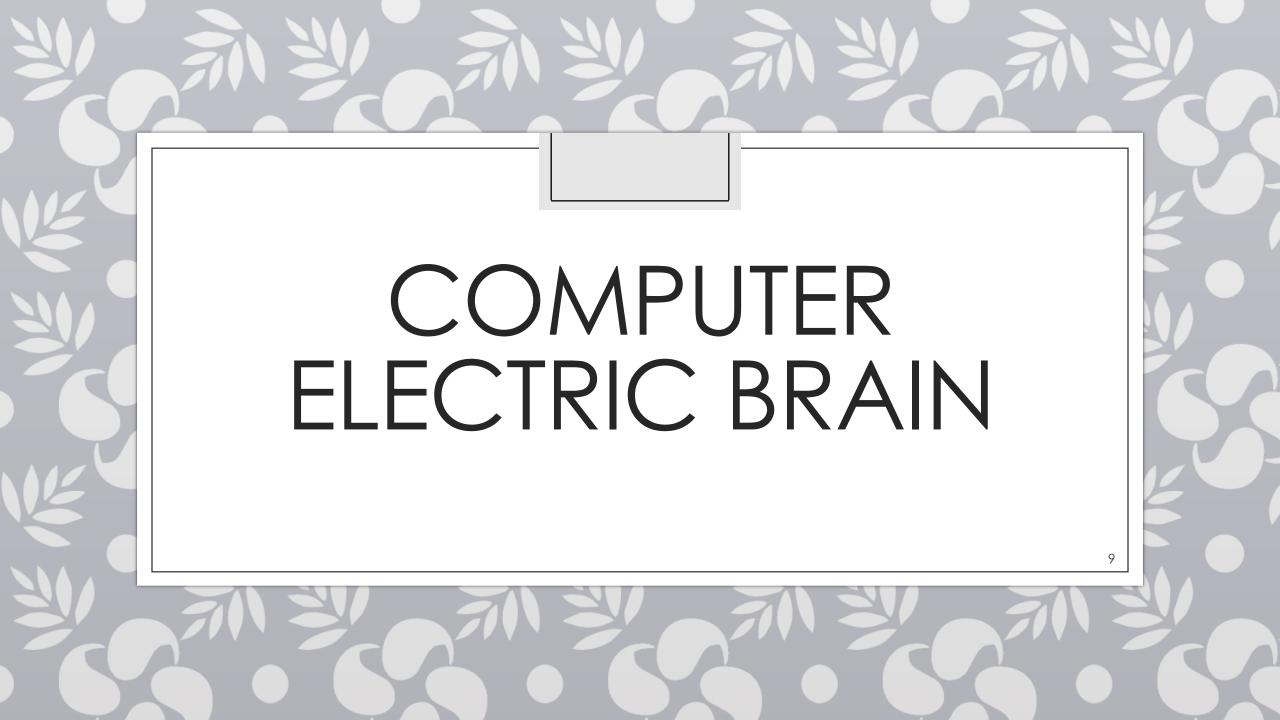
Family name



So what can we learn about this small case study?

Traditional Belgian (Dutch) names

- are pretty **long**
- often mention where the forefather came from
- are cultural markers (Flemish names ≠ Dutch ≠ French ≠ German)
- are confusing for other countries
 - but so are e.g. Chinese names for us!



Same cognition, different culture



World Cup 2018 When Belgium played Event in Taipei



Pirahã people (Brazil)

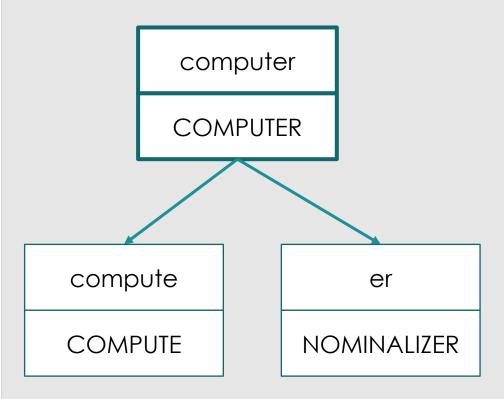
Different cultures (different languages) conceptualize differently



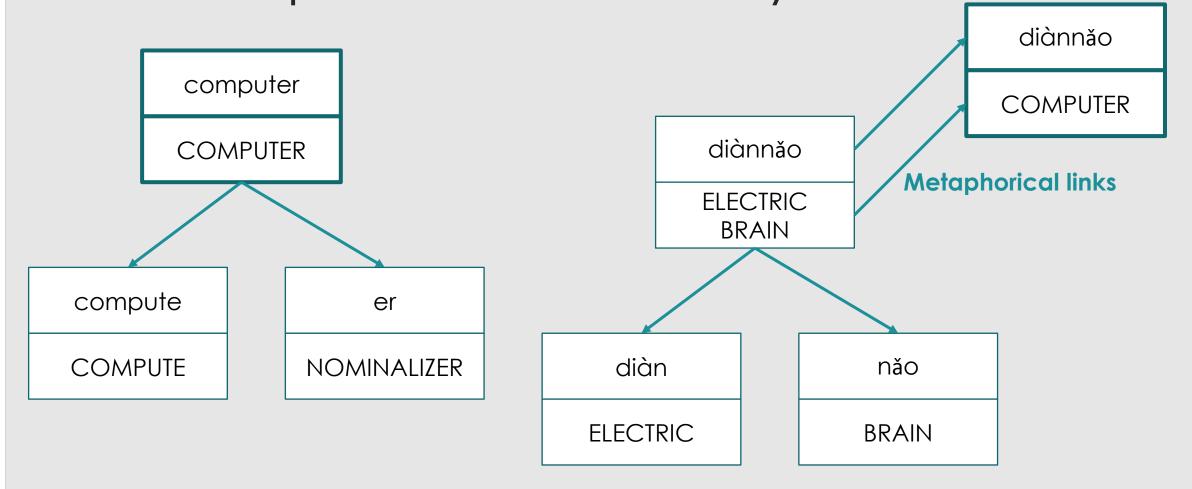
COMPUTER

language	term	gloss
English	comput-er	compute - ER
French	ordina-teur	ordo (Latin 'order') – (T)EUR
Afrikaans	reken-aar	reken 'calculate' - AAR
Chinese	電腦 diàn-nǎo	electric – brain
Pirahã	?	?

Different cultures (different languages) conceptualize differently



Different cultures (different languages) conceptualize differently



Goal for this session

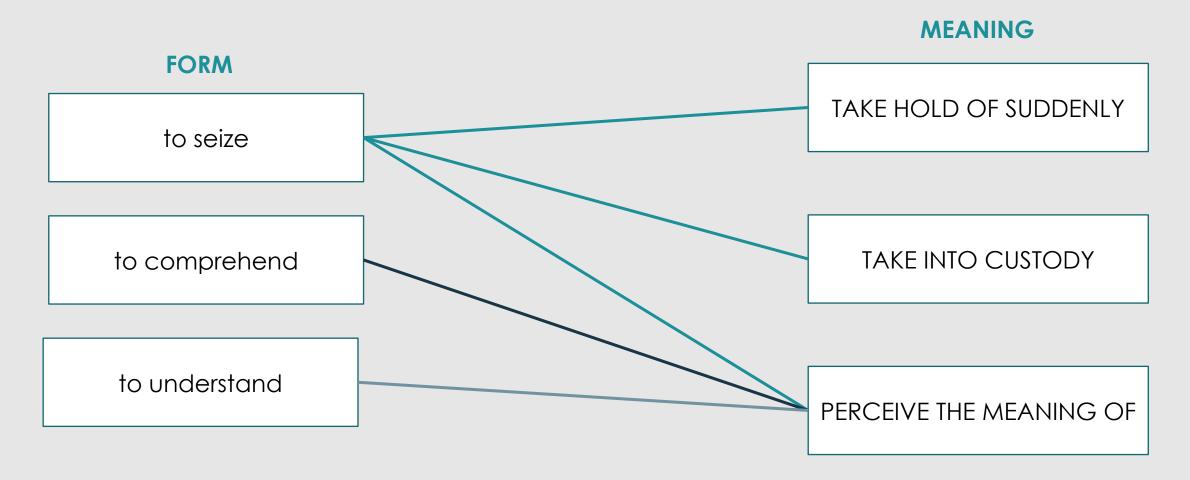
Generally speaking, we can divide language into units that have two sides: **the FORM** and **the MEANING**.

Sometimes there are more FORMS attached to one MEANING, or more MEANINGS attached to one FORM.

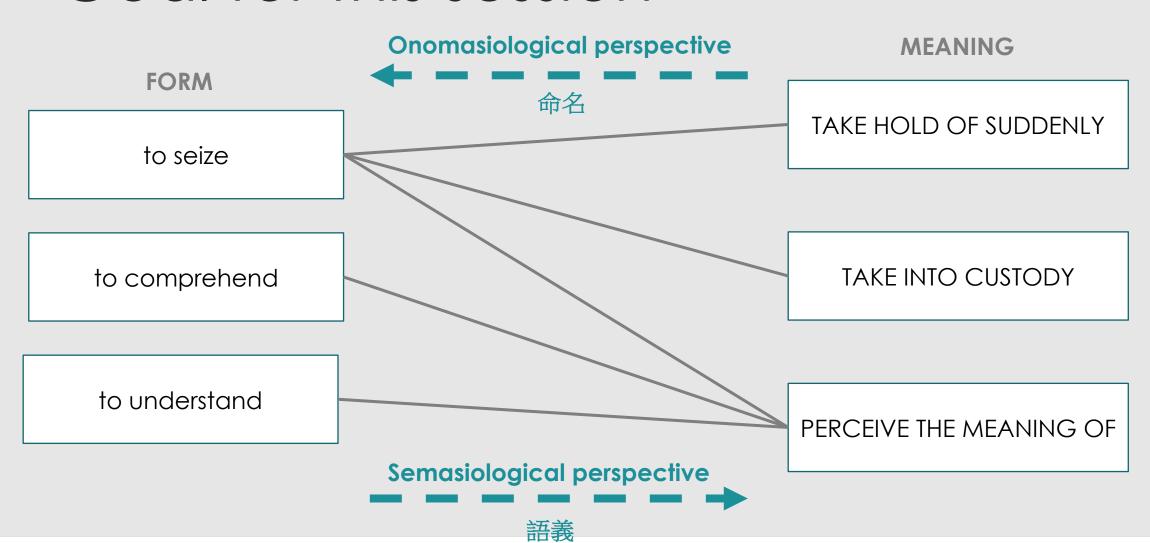
Today we will look at the relationship between FORMS and MEANINGS, focusing on the **different processes languages can get these FORMS and MEANINGS**.

Hopefully, this will help you when you are stuck in your linguistic problem.

Goal for this session



Goal for this session



ONOMASIOLOGY 命名學

Onomasiology where does this word come from?

Five important mechanisms

- 1. applying productive morphological rules;
- 2. making new words;
- 3. distorting existing word forms;
- 4. borrowing;
- 5. semasiological extension

O1. productive morphological rules

Imagine you are a non-Chinese speaking student entering the Linguistics Olympiad and this is your dataset.

a. 生物學

1. biochemistry

b. 物理學

2. geology

c. 化學

3. linguistics

d. 生化學

4. geography

e. 語言學

5. chemistry

f. 地理學

6. biology

g. 地質學

7. physics

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學 = STUDY

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學 = STUDY

geology - geography 地質學 or 地理學 ? physics 物理學 chemistry — biology 化學 生化學 生物學 linguistics 語言學

O2. Neologisms

Neologisms 新詞 are words that 'appear out of the blue', out of nowhere. Real neologisms are rare.



language	term	gloss
French	schtroumpf	smurf
Dutch	smurf	smurf
English	smurf	smurf (< Dutch)
German	Schlumpf	smurf
(Taiwan) Mandarin	藍色小精靈 lán-sè xiaŏ jing.líng	blue small leprechaun

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(Taiwan) Mandarin	藍色小精靈 lán-sè xiao jing.líng	blue small spirit

O2. Neologisms: onomatopoeia

Neologisms 新詞 can also include onomatopoeia and ideophones.

language	term	gloss
English	cuckoo	cuckoo
Dutch	koekoek	cuckoo
English	purr	purr



O3. Distortion of existing words

A. Ellipsis (clipping): leaving out (parts of) words

- a) pianoforte > piano 'piano'
- b) 語言學奧林匹克 > 語奧 'Linguistics Olympiad'

B. Contamination (blending):

a) irrespective → irregardless ← regardless

'不管'

C. Phonetic developments

a) English *peep* [piːp] < Middle English *pepen* [piːpən] < Old English *pipian* [piːpʲən] /i/ <i> changed to /ai/ <i> but the sound /piːp/ was still needed so respelled <peep> (English ripe [ɹaɪp] < Middle and Old English ripe [ɹiːpə])

O3. Distortion of existing words

D. Folk etymology

a) hamburger <

Hamburg-er ham-burger

'person from the German city Hamburg' 'bun with meat (ham)'

E. Morphological reinterpretation

a) hamburger <

ham-burger

'bun with meat (ham)'

b) cheeseburger

cheese-burger 'bun with (meat and) cheese'



O4. Borrowing

Languages borrow words from other languages all the time.

Often only parts of the MEANING or the FORM get borrowed, or parts of these get adapted to the target language.

language	term	pronunciation
British English	computer	/kəm'pjutə/
American English	computer	/kəmˈpjuːtə/
Dutch	computer	/kom'pju:tər/
Japanese	コンピューター koNpyutaa	/kompju:ta:/

O5. Semasiological extension

Semasiology is about asking "what does this word mean"?

So if the meanings of a word increase, then that also counts as a way of getting a 'new word'.

language	term	meaning extension	
English	mouse	RODENT → COMPUTER MOUSE	
			loan translation
Dutch	muis	RODENT → COMPUTER MOUSE	



SEMASIOLOGY 語義學

Semasiology what does this word mean?

Four important groups of mechanisms

- 1. generalisation and specialisation;
- 2. amelioration and pejoration;
- 3. metonymy;
- 4. metaphor.

\$1. generalisation — specialisation

Generalisation:

when a word meaning originally referred to a very specific meaning but over time broadens its span of reference.

Specialisation:

when a word originally had a broader range of meanings but this narrowed over

time.







\$1. generalisation — specialisation

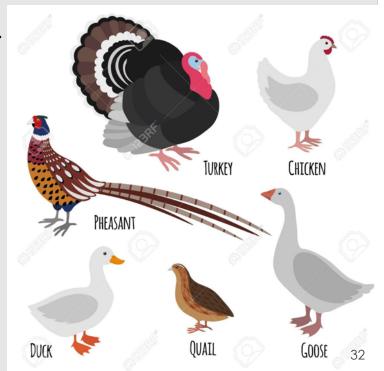
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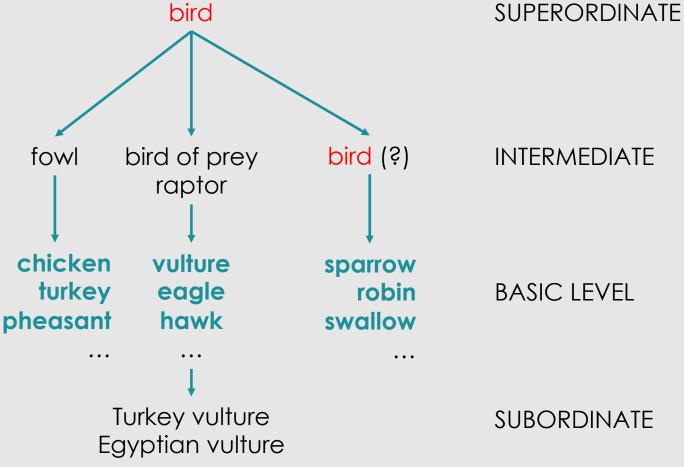
when a word originally had a broader range of meanings but this narrowed over time.

language	term	meaning
English	fowl	bird of the order Galliformes (chicken, turkey, pheasant etc.)
Middle English	foul, foghel, fowel, fowele	bird
German	Vogel	bird
Dutch	vogel	bird
Proto- Germanic	*fuglaz	bird



S1. generalisation — specialisation

taxonomy



Birds are also 'vertically' classified in **folk taxonomies (**分類學**)**.

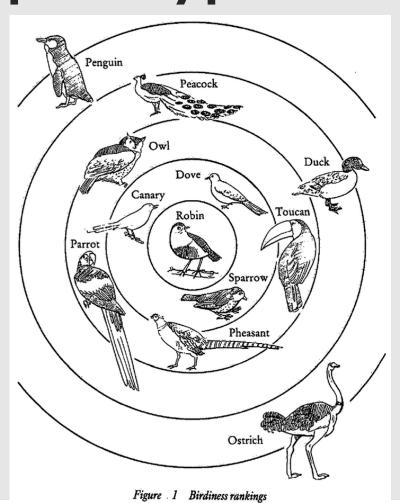
These are **not scientific groupings**, but classifications that grew over time, in the culture.

Often, a group of terms stand out, they are on the **BASIC LEVEL** and have the highest saliency (they are best known).

Finding morphemes for SMALL and BIG, or modifiers like Turkey / Egyptian, may help you construct a taxonomy, and help you answer problems.

33

\$1. generalisation — specialisation prototype



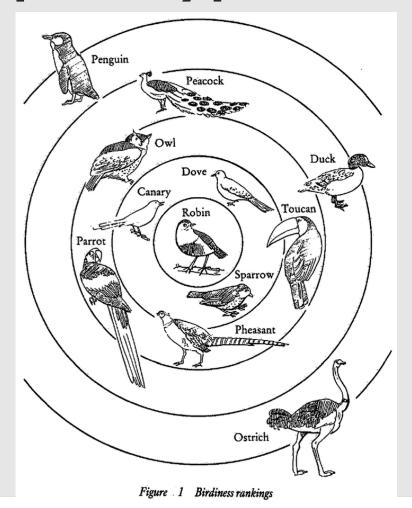
But a more cognitively realistic model is based on **prototype theory** (原型理論).

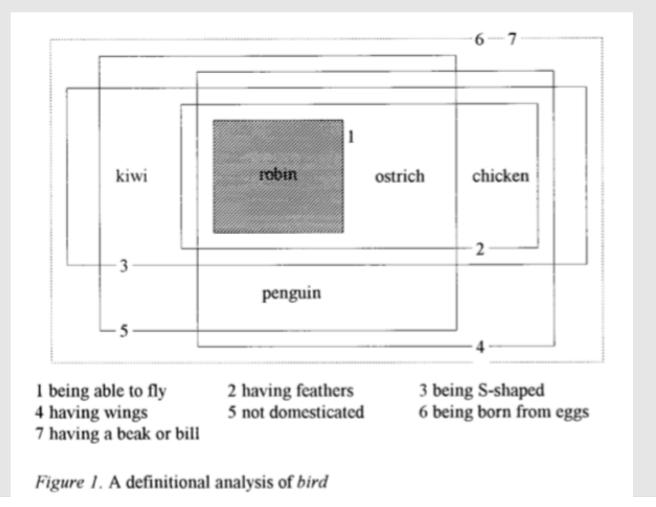
This states that some words are better representatives of a category.

So in English, the *robin* is the best example of a **BIRD**, *owls* are slightly worse, but *penguins* and *ostriches* are the worst.

You probably won't be asked about this in the exam but it is good to know that many categories of words do not have neat boundaries — instead they have fuzzy boundaries, and centerperiphery effects.

\$1. generalisation — specialisation prototype vs. definitions





S2. amelioration — pejoration

Amelioration:

when the connotation of a word becomes **more positive** (it is *felt* to be more positive)

Specialisation:

when the connotation of a word becomes **more negative** (it is *felt* to be more negative)

word	original	intermediate	current meaning
geek	sideshow freak (1916)	student who lacks social graces but is obsessed with computers and new technology (1983)	someone with specialist knowledge





S2. amelioration — pejoration

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when the connotation of a word becomes **more positive** (it is *felt* to be more positive)

Specialisation:

when the connotation of a word becomes **more negative** (it is *felt* to be more negative)

word	original	intermediate	current meaning	grammaticalized
	- full of awe - terror-stricken	terrible	very bad	exceedingly great / very

S3. metonymy: contiguity

Metonymy 轉喻 is based on contiguity.

This means that there is a connection between the meanings, but you use one meaning to mean the other.

I want to drink a cup. CONTAINER 杯子 → CONTAINED 杯子裡面的咖啡 Where is the coke? CONTAINED 可樂 → CONTAINER 瓶子

How many **heads** do we have today in this classroom? **The U.S.** is/are preparing for a war.

PART body part → WHOLE people
WHOLE country → PART government

Metonymy is everywhere in language! Maybe you can think of some examples? 加油!

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S4. metaphor: similarity

Another extremely common language phenomenon is metaphor 隱喻.

This occurs when one meaning is perceived to be similar to another meaning, and thus two forms are perceived to be similar.

This chair has two **arms**, that one has four **legs**.

Only humans have arms and legs but we use these words because they they are similar!

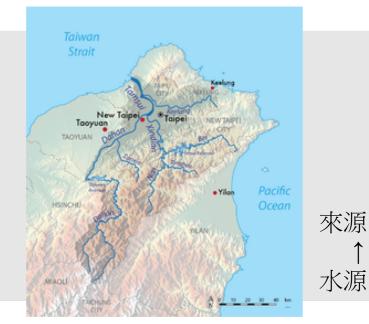




S4. metaphor — some kinds

- a. material metaphor: Let's meet at the foot of the mountain.
- b. functional metaphor: The *source* of a river vs. the *sources* used when writing this text.
- c. functional metaphor: A fruit is *ripe* for plucking vs. somebody is *ripe* for a function.
- d. experiential metaphor: "That *yellow color* (VISUAL) is so *loud* (AUDITORY)!", he said with a *heavy* (TACTILE) *voice* (AUDITORY).







S4. metaphor — dead or alive?

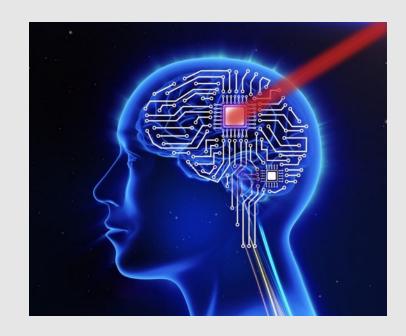
Many of the metaphors we use daily, even live by, do not seem special.

When you say 電腦 'electric brain' for COMPUTER, do you think of an electric brain?

Probably not.

We can argue that 電腦 came from a metaphor, but the metaphor is dead.

(That is also a metaphor: only living things can die.)



\$4. conceptual metaphors

A major field of study considers so-called **conceptual metaphors**.

He is known for his many rapid conquests.

She **fought** for him, but his mistress **won** out.

He fled from her advances.

She pursued him relentlessly.

He is slowly **gaining ground** with her.

He won her hand in marriage.

He **overpowered** her.

She is **besieged** by suitors.

He has to **fend** them **off**.

All these examples talk about LOVE, but they use MILITARY TERMS – terms from WAR.

So the metaphor happens at the conceptual level, not just in the language.

The metaphor in these sentences is **LOVE IS WAR** — LOVE is understood in terms of WAR.

S4. conceptual metaphors

Can you guess what the conceptual metaphor is in this example?

I'm feeling **up**. That **boosted** my spirits. My spirits **rose**. You're in **high** spirits. Thinking about her always gives me a **lift**. I'm feeling **down**. I'm **depressed**. He's really **low** these days. I **fell** into a depression. My spirits **sank**.

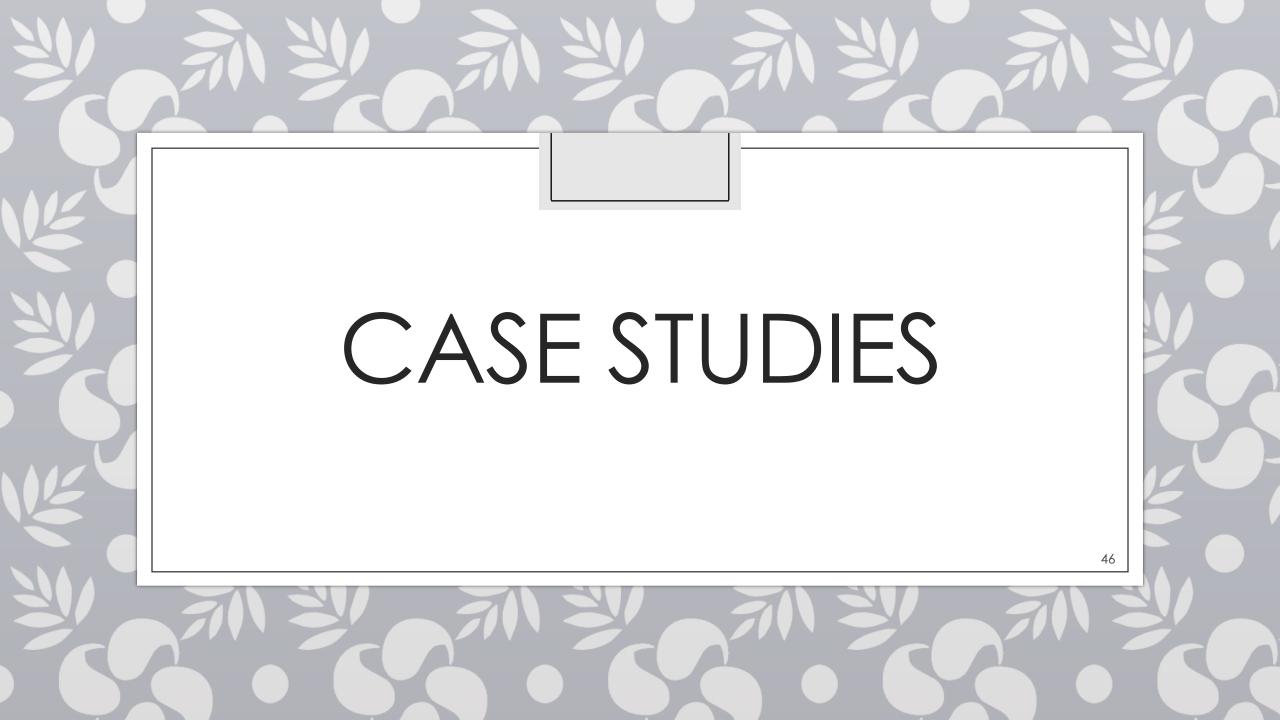
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Or in this example?

Look **how far** we've come. We're at a **crossroads**. We'll just have to **go our separate ways**. We can't **turn back** now. I don't think this relationship is **going anywhere**. We're **stuck**. It's been a **long, humpy road**. This relationship is a **dead-end street**.



Case study 1. MATCH



Definition:

'short, slender piece of wood or other material tipped with a chemical sub- stance which produces fire when rubbed against a rough or chemically prepared substance'

language	target word form	source (original meaning)	process
English	match	'wick'	metaphorical similarity
French	allumette	'splinter'	taxonomical subordination (cf. case study 2
German	Streich-holz	'rub-wood'	metonymical compound
Spanish	fósforo	'fire-bringing'	borrowing (Greek) + metonymy
Spanish	cer-illa	'wax-DIMINUTIVE'	metaphorical similarity
Dutch	luci-fer	'light-bringer'	borrowing (Latin)
Chinese	火-柴	'fire-wood'	metonymical compound

Let's say you have the following dataset.

What would a linguist do if he came across these words?

tree, forest, wood in different languages

a. Danish: trae, skov

b. French: arbre, bois, forêt

c. German: Baum, Holz, Wald

d. Spanish: árbol, madera, leña, bosque, selva

e. Dutch: boom, bos, hout, woud



Are French and German the same? What is the difference with Spanish? Danish? Dutch?

Luckily, people have analyzed this for us:

Danish	French	German	Spanish	Dutch	
	arbre	Baum	árbol	boom	
trae		II ala	madera	hout	
	bois	Holz	leña	hout	
alsau		TATOLA	bosque	bos	
skov	forêt	Wald	selva	woud	

But unfortunately, we still don't know what the differences are!

Using dictionaries and dictionaries, the linguist can then categorize them as follows:

		lexical items				
		Danish	French	German	Spanish	Dutch
	TREE		arbre	Baum	árbol	boom
Analytical	WOOD (MATERIAL)	trae	bois	rrol-	madera	hout
primitives	FIREWOOD			Hotz	leña	
	FOREST (SMALL)			Y47-1-1	bosque	bos
	FOREST (LARGE)	skov	forêt	Wald	selva	woud

These (temporary) analytical primitives are based on the Spanish case, which makes the most distinctions.



This is the final categorization.

Maybe you end up with something similar in your question, or the previous step, but both are good solutions.

What this case study shows is that **taxonomies** differ across languages.

Case study 3: days of the week

language	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
English	'moon-	Tiwaz /	Wodan /	Thor	Frigg	Saturn	sun
	day'	Tyr	Odin				
Dutch	maandag	dinsdag	woensdag	donderdag	vrijdag	zaterdag	zondag
German	Montag	Dienstag	Mittwoch	Donnerstag	Freitag	Samstag	Sunntag
			'mid-week				
Irish	Dé Luan	Dé Mairt	Dé	Déardaoin	Dé	Dé	Dé
			Céadaoin		h-Aoine	Sathairn	Domh-
							naigh
	'moon	'Mars'	'day of the	'day	'day of	'Saturn's	'Lord's
	day'	day'	first fast'	between	the (pri-	day'	day'
				fasts'	mary)		
					fast'		
Chinese	禮拜—	禮拜二	禮拜三	禮拜四	禮拜五	禮拜六	禮拜日
Chinese	星期一	星期二	星期三	星期四	星期五	星期六	星期日
Chinese	週一	週二	週三	週四	週五	週六	週日
Japanese	月曜日	火曜日	水曜日	木曜日	金曜日	土曜日	日曜日

Even though all these languages (and cultures) use the 7-day cycle as the basis for their week, they have different etymologies and thus conceptualizations.

But the weird thing is, for English, Dutch and German, it is unclear where these words really came from for most people.

Chinese and Japanese have a transparent system.

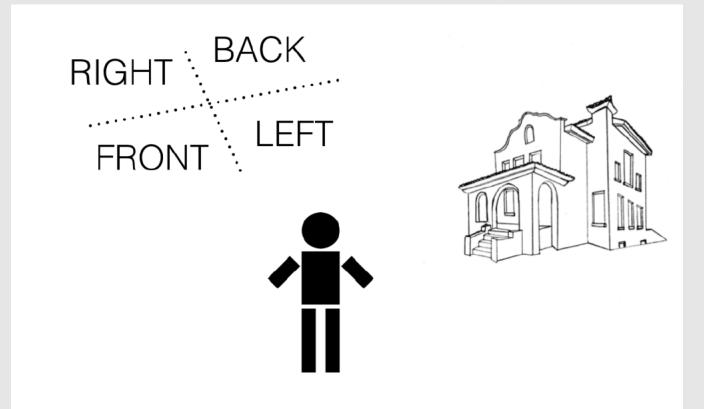
Irish does its own thing.

Case study 4: spatial language

How do different languages talk about locations?

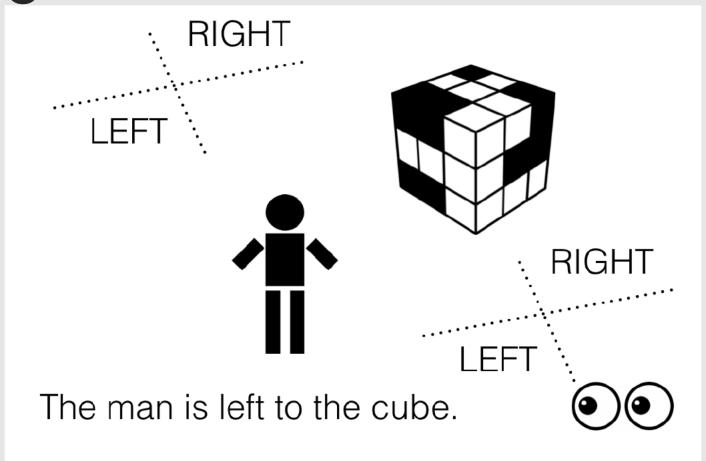


Case study 4: spatial language intrinsic

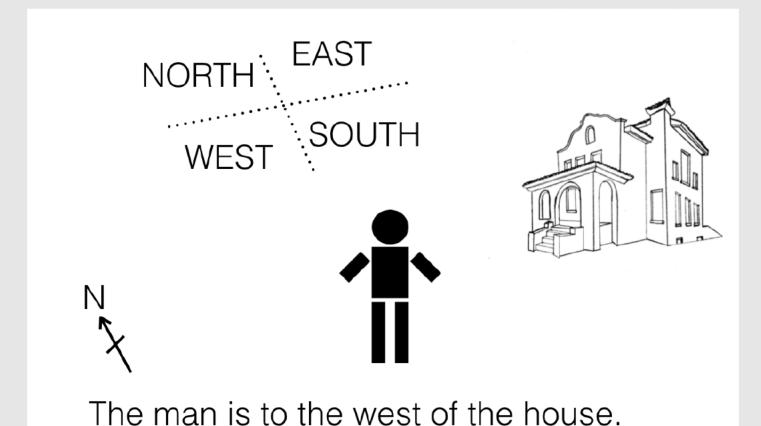


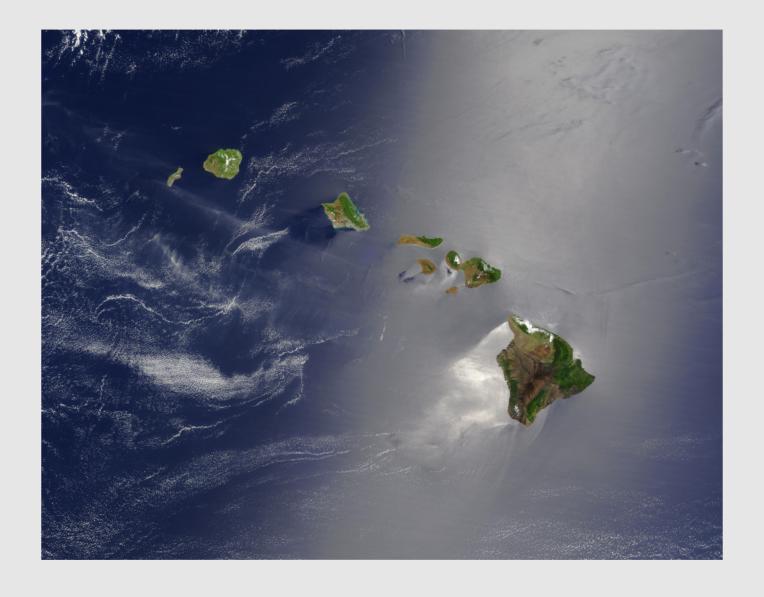
The man is in front of the house.

Case study 4: spatial language relative



Case study 4: spatial language absolute









Case study 4: spatial language land-sea axis

Very prominent and consistent feature across Austronesian languages, from Taiwan all the way to Hawai'i.

	Inland	Seaward	
PAN	*daya	*lahud	
Pazeh	daya 'upstream; east'	rahut 'downstream; west'	
Thao	saya 'uphill, upstream'	raus 'downhill, downstream'	
Paiwan	zaya 'upland, upriver'	lauz 'seaward, downriver'	
Ilokano	dáya 'east'	láud 'west'	
Cebuano	iláya 'away from coast/town'	iláwud 'near coast/town'	
Mansaka	saka 'ascend; go upstream'	lawud 'downstream, seaward'	
Kelabit	dayəh 'upstream'	la?ud 'downstream'	
Malay	hulu 'upstream'	hilir 'downstream'	
Kambera	dia 'upstream'	lauru 'downstream'	
Paulohi	lia 'landward'	lau 'seaward'	
Manam	auta 'landward'	ilau 'seaward'	
Lakalai	-ilo 'landward'	-lau 'seaward'	
Pohnpeian	peilon- 'landward'	peiei- 'seaward'	
Hawaiian	mauka 'landward'	makai 'seaward'	

Yami: Orchid Island

The land-sea axis in Yami is represented by:

- rala
- laod





Yami: Orchid Island

The land-sea axis in Yami is represented by:

• rala: 'inland/towards the mountain'

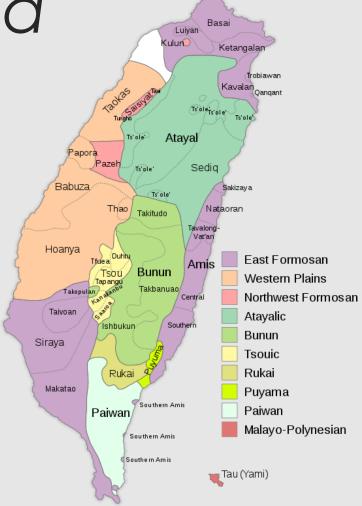
• laod: 'seaward'





Yami: irala and ilaod

- From the roots rala and laod we now have the words irala and ilaod, which have taken on a more specific meaning – what are they?
- (Hint: Yami is spoken on a small island located right next to a much, much larger island)

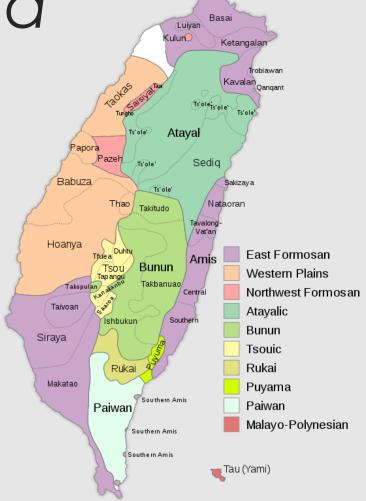


Yami: irala and ilaod

 From the roots rala and laod we now have the words irala and ilaod, which have taken on a more specific meaning – what are they?

• *Irala*: Orchid Island

• *Ilaod*: Taiwan



FINAL THOUGHTS (BEFORE THE EXTRAS)

Final thoughts

This is just a small guide to *help you explore what is possible*.

Whenever you are faced with a dataset, **try to find the meanings of the morphemes first** and then **put them together in a creative manner**.

Look at all the clues they give you.

For instance, if you have the words for 'sea' and 'shoulder' and you see them combined in 'sea-shoulder', try to think of the *metaphor* this could be. 'shoulder' is a part of the body, but the body in this case is the 'sea', so 'sea-shoulder' can be the 'coastline' or something similar.

So when you encounter a problem like that, don't panic, breathe, and analyze. Good luck!

EXTRAS FUNNY WORDS FROM DUTCH

woestijnschip

woestijn-schip desert-ship

沙漠-船



woestijnschip

woestijn-schip desert-ship

沙漠-船

metaphor





kameel camel 駱駝

aardappel

aard-appel earth-apple 地-蘋果



aardappel

aard-appel earth-apple 地-蘋果

metaphor





potato 馬鈴薯 / 土豆

or is it potato?

stalen ros

stalen ros steel horse 鋼馬



stalen ros

stalen ros steel horse 鋼馬



metaphor



fiets bi-cycle 腳-踏-車/自-行-車

References

Some general references, if you are super interested:

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