

Proximity

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Framework

Humans, Groups

Population

Humans, Groups, Individuals

Questions

- How to Measure Proximity?
- When and Why do I notice things?
- How much effort is required to notice things?

Initial Conditions

Individual, Group

Self reference

Individual, Group

Preamble

All Australian governments collect people's private information in a Totalitarian authoritarian way. This is stored on vast databases to be matched and used against the citizens in control and compliance measures. Governments also mandate that individual privacy does not matter and that all clubs must collect people drivers licensees and other sensitive details every time they enter a club - including photo, drivers license number, full name, address date of birth and a signature. This information is then lost, stolen or sold to other companies and criminals to use against the individual by claiming their identity, impersonating some to get access to bank accounts, superannuation, credit details, government information and business information or to black mail people.

<https://7news.com.au/sunrise/a-million-aussies-at-risk-of-identity-theft-as-clubsnsw-data-breach-exposes-personal-details-c-14516263> <https://citynews.com.au/2024/up-to-a-million-licences-exposed-in-nsw-data-breach/>

Government does not believe in privacy or protecting individuals - it cares about the state and government mandates and control - like **mandated vaccine certificates** and **proximity indicators** if someone is sick and so on - in totalitarian and authoritarian ways. Very similar to how the Nazis branded the Jews and Jews are required to be identified so they can be quickly rounded up or demonized by tribal mobs in the streets.

Governments their allies and agencies collect vast amounts of information automatically - all video footage is available to governments, car license plates tracked and matched, mobile phones - tracked and matched, medical details collected and matched, mobile phone messages and conversations and all emails. At this stage some special effort is required to intercept private hand written mail but police still have powers in that area as well.

Most businesses lack Information Technology skills or basic understanding of privacy details and will use client details as their own personal database to invade client's privacy - selling their information to others and using it to generate Spam and mobile phone calls and messages. Facebook and Google do this on a world-wide industrial scale as do "rewards" systems. Countries like China spend large amounts of time and effort waging War in individual's private information world wide. The Labour Party and politicians routinely Spam people with political propaganda and mass generated phone calls, messages and emails without any regard or respect for privacy.

This is all legislated under the Privacy Act - which, As Orwell predicted in a Ministry of Truth kind of way - is more about a mandated lack of Privacy than anything else. The same with the Discrimination Act which mandates exactly how to discriminate and who to discriminate for and against in a tribal group think way. White men are excluded - in that they must be discriminated against and not discriminated for. This is the mindset of all women and most politicians who work in government departments, business, schools, Universities, Media, Courts - everywhere. For example Jews are being excluded and demonized in Universities around the world - their right to privacy of religion is not respected and they have to declare whether they are a Jew or not before being excluded or allowed into universities. The Nazis did this in Germany and this also happened in many cities and

towns throughout Europe in the 1500s where you had no privacy of religion and you had to declare a **tribal** religion. Those who did not belong to the “right” **tribal** religion were excluded, banned or killed in mock and cynical trials.

Apart from **tribalism** we also have now a deep pig-ignorance - not only because women and blacks have been promoted above better qualified men but those men who have been promoted are generally of the same tribal mindset and are rewarded for sharing the mandated tribal views.

For example a few years ago the ATO sent out SMS messages to people on their mobile phones - the very technique that spammers use - impersonating the ATO. Another example is the National Gallery which decided to put its member database online (for no real reason and without any understanding of risks) so that member’s personal details could be exposed to the internet for hacking.

Most people cannot really think and those who can think don’t spend much time doing it. Australia is largely dim-witted and tribal with very few people aspiring to think and education systems and standards are failing everywhere.

Australians are targeted by word wide scams because of the smug tribal behaviour and poor education standards. <https://www.abs.gov.au/statistics/people/crime-and-justice/personal-fraud/latest-release> Australians ignorance is demonstrated daily as politicians like Penny Wong, Anthony Albanese and many others travel their world displaying their smug and proud pig-tribal ignorance. “We love women and Blacks”.

Penny Wong loves muslims who rape and kill people. She wants muslim murderers to be included in the “United” Nations. She endorses, rewards and supports Terrorism as a “cause” like ANU students and most universities do in Australia “**The Ends justifies the Means**” as long as the **Cause is Great and Good**.

It is impossible for Greens/Labour **not** to be shouting all the time “**HOW GOOD WE ARE**” as Penny Wong with her smug face of joy-filled “goodness” does all the damage she can in “Doing Good”. The Hippocratic oath of “not doing harm” means nothing - instead she says incautiously:

“I will do all the harm I possibly can to do the greatest Good”

EVERYTHING will be sacrificed for my GOODNESS!

Chris Bowen says “*I am right and everyone who disagrees with me is wrong and will always be wrong*” - the Greens/Labour mob applaud, laugh, chortle and sneer at those people Bowen attacks.

Tanya Plibersek loves ISIS extremists - women in particular - and wants all ISIS women to come to Australia to have more extremists jihadist children. If they live in tents in Muslim states Tanya wants them to come here and get “free” housing and income support. She, along with NSW and Victorian Politicians and “leaders” love letting in Muslim extremists from Palestine because Greens/Labour are fully tribal - they “hate” Tories - they hate the Nation - they hate the country (like the ABC) (Welcome to Black country and take the knee to Black tribalism) and they hate the people of the country - they hate anyone who is not like their tribe.

So Penny Wong has **denigrated the use of international Law to solve trade dispute problems** and Kowtowed to China instead in a personal secret deal giving away the Port of Darwin. She has

condemned an Australian man to death in China as a result. All this on top of helping to destroy the presumption on Innocence in Law, Family Law and turning the Discrimination Act into positive discrimination for women and Blacks and enforcing tribal stereotypes on daily basis. All the time with that Smug glee-filled face and personal abuse of those who question. While she Condemns everyone *"Anyone who questions me should be Condemned for their remarks" "no-one knew anything"*. (Mark Drefuss wags his finger in the background, Katy Gallagher chortles with Glee)

I suspect Penny Wong may be insane. I can see how stressful it was for Kimberly Kitching to be surrounded by so many deluded tribal narcissistic psychopaths that dominate the Greens/Labour politicians. The stress on intelligent people in the 1500s being surrounded by the violent dim-wit Tribalists was also immense.

The Chinese enslave people they hate - they are fully tribal and have never adapted to the "ideas of the West" - China is constantly at War with everyone who does not belong to their tribe or does not become a Vassal State of China. China was and will always be tribal. It never learned the lessons of the west and never will. Like Julia Gillard they will remain permanently ignorant and tribal.

The English and Dutch traders from the 1500s traded wool, cloths language and skills and developed trust for **mutual benefit**. This developed in places like Leiden University which was one of many places which helped advanced humanity and remove tribalism. China does not use trade as a way of mutual advancement and building trust. Trade is a weapon of WAR - China has never **not been at war** with everyone and everything around it (India, Japan, Nepal, South East Asia, Vietnam, It's own people, Australia) - in a passive and aggressive "I am the victim here" kind of way. China does not value **Trust** and the Rule of Law only tribal world domination. Very similar to all tribal binary types Women (on average), Blacks, religious extremists, Muslims, Crusaders for the "Cause". Like many women and other "Victim/Hero" causist types - China is always at war using a range of weapons at its disposal to wage constant war. **China laughs** at how stupid they think everyone not of their tribe is. Very much like the other dim-wits Putin, Iran, Muslim extremists, feminists, Greens/Labour types and all the other tribal pig-ignorant dim-wits. So "proud" of their ignorance and tribalism.

Introduction

This document is a deliberately short exploration of things emerging. I have a better definition of **Nothing**. I have connected many things about the Compare and Contrast ideas. I remind people of the idea of the West "thinking". I am still very concerned how dim-witted and tribally abusive large parts of the world is becoming - especially the entrenched corruption and lies in Greens/Labour and the corruption of the United Nations. Too few men are stepping into the debate - they seem to be afraid of women and their weak minded male sentient pets. Tribalism and violence takes life backwards hundreds of millions of years.

Keeping you Safe

Anxiety levels are quite high - especially in women, weak minded men and children and this encourages strong and sometimes panicky and outrageous actions. In Australia, when the Covid pandemic spread - Health officials and others mandated vaccines and health certificates and excluded people from public and private work places based on the possibility they may be carrying a

virus which could spread. People were locked out of schools, work and travel and the entire economy crashed.

People are very dim witted - including health officials - many declaring that the vaccine would keep you “safe” from infection. In the same way that reading religious books or going to tribal smoke ceremonies will “protect” you and “keep you safe”. Therefore the mob abused anyone who did not get the vaccine. This was a deliberate mob strategy of violence directed by WHO and all the government health departments and governments in Australia cheered on by mostly women but many dim-witted men. Police brutally enforced mandates including attacking people and arresting them but also smashing the heads of people while coming up from behind without warning and smashing their heads into the ground for daring to ask a question.

This was similar to the Aids epidemic - which was much more fatal - when homosexuals were targeted and abused as a group for being potential carriers.

In Australia, health officials decided to not only mandate unproven and untested emergency vaccines (which are now proven to cause some side effects) but were working on a “proximity detector” which would detect via Blue tooth communication and mobile phone devices linked to large health databases - who had been vaccinated and who had not - thus giving mobs, businesses and others the ability to exclude or attack those who their phone detected in proximity - had not been vaccinated. This was entertained as a safety measure. While this and other apps was called “Contact tracing” - that is, keeping a record of everyone you had been in contact with in case you found out you had the infection - it was really a thin end of the wedge type of **totalitarian extremism** we see in the **World Health Organisation** (United Nations) and health officials in general. <https://www.health.gov.au/sites/default/files/documents/2020/11/national-contact-tracing-review-national-contact-tracing-review.pdf> *“For this reason, we recommend the development of a digital data exchange mechanism. Building this capability now would prepare the states and territories for coordinated contact tracing to more effectively manage future outbreaks. The mechanism we suggest would allow the states and territories to share contact tracing data, and incorporate contact tracing data from sources such as airline and shipping passenger manifests, registries of test results and relevant government agency data stores. Only data relevant to contact tracing would be transferred, such as phone numbers, addresses, case interviews and diagnostic test results. No data would be held or stored in the data exchange. As such, **we are confident** the data exchange can be consistent with **privacy requirements and community expectations**.”*

My **community expectation** is one of privacy and choice for the individual but that means nothing in groupthink totalitarian countries like Australia, China, Russia and Iran. i.e. My individual expectations are ignored in favour of groupthink, authoritarianism, dim-witted health officials, mandates and narcissistic virtue signaling Politicians “Keeping women and their children safe from men who have not been vaccinated”

We see this extreme authoritarianism in tribal types women, blacks, religious zealots and weak minded men and mandated as the Discrimination Act (how to discriminate) the Privacy Act (how to reduce privacy) “Keeping women and THEIR children Safe” legislation, the Office of Women, Commissioners of “domestic” violence against women, “Truth Commissions” (How to lie), etc. None of these policies or tribal groups relate to any facts, truth or declared outcome. They are “religious”

at their core and are about the anxiety and “rights” of the “victim” like we see with muslims and other religious fanatics.

Keeping everyone “Safe”.

Few people in the media, government or health raised any ethical considerations at all.

“What’s the time, Mr Wolf?” is a game where a group of children creep up on the child who is declared “the wolf” with their back turned. This game is all about stimulating the fear and flight or fight responses, if you are “tagged” by the wolf you take your turn until tag someone else in the next round of the game. No-one is “eaten” or hurt by the wolf but the child learns how to control their fears.

Ethics of Proximity Detection

What are the ethics of this Government system?

There is a question (One of many) that few governments actually explore. Most governments reduce their frames to simple slogans and simple frames to justify more and more totalitarian responses - all the while claiming how “Good” they are and that any damages or consequences are either non-existent or the fault of someone else.

“You can’t make an omelet without breaking some eggs” is what “The Ends Justifies the Means” types say as they break all your eggs while hoarding their own.

How much needs to be done to detect the proximity of things?

Let me pretend for a moment that I am the great “Prophet” and that I am detecting something wrong. So I explain what I think is wrong on great detail. I write to people and do a lot of work - build lots of information models and ask many questions which no-one ever answers and continue to work at helping people have a debate or discussion.

Let us pretend everything I say is true and happens as predicted. One thing I would say is *“I was not sure about anything really - I was exploring something and trying to describe it and communicate with other people around me”*

So I would NOT be wanted to be MANDATED in a CERTAIN BOOK - Nor would I want a whole government department set up under my leadership.

BEING RIGHT ONCE DOES NOT MEAN YOU WILL BE RIGHT AGAIN.

Censorship Free speech and Books

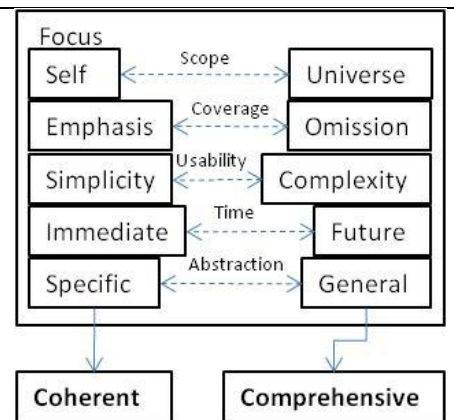
In case you get infected with ideas. All countries censor things - some are more draconian than others. Some punishments (Like beheading or Burning at the Stake) excessively exceed the “crime” and **CALLING OUT THE MOB** is never a good idea.

Compare and Contrast, Zoom and Focus

We have already examined the Focus model and changing things to get a different view of things - like the Zoom (frame size of the area looked at) and Focus (the position and detail exploration)

See **Corruption – Extremists** <https://humanistman.com/wp-content/uploads/2020/01/Corruption-Extremists-Feedback.pdf>

A Treatise of Human Nature, by **David Hume** *“For as this ought, or ought not, expresses some new relation or affirmation, it is necessary that it should be observed and explained; and at the same time that a reason should be given, for what seems altogether inconceivable, how this new relation can be a deduction from others, which are entirely different from it. But as authors do not commonly use this precaution, I shall presume to recommend it to the readers; and am persuaded, that this small attention would subvert all the vulgar systems of morality, and let us see, that the distinction of vice and virtue is not founded merely on the relations of objects, nor is perceived by reason.”*



We use various techniques to try to get some **coherent narrative** and **comprehensive view** of things.

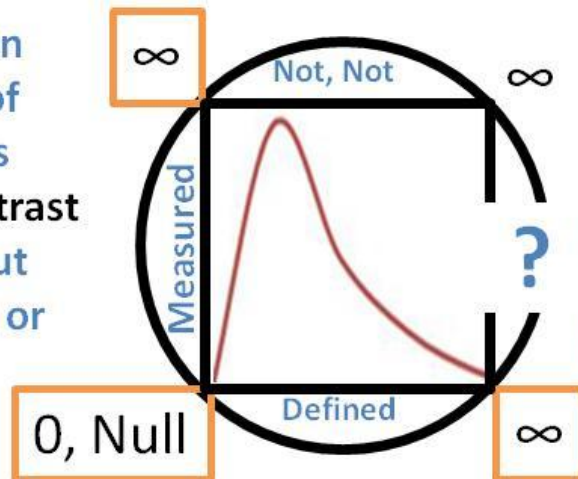
Contrast is some kind of different thing which used to highlight something and **Take Notice**. Like the contrast button on an old TV set. Colours changed - the frame was still the same but the scene was explored thought different layered frames. Very much like searching the universe on different frequencies until something becomes noticed or absent. Using satellites to bounce various Electromagnetic things and taking measurements and comparing them with measurements on the ground and over time. <https://en.wikipedia.org/wiki/Electromagnetism> like the recently developed <https://pubs.usgs.gov/fs/2005/3025/> U.S. Geological Survey Fact Sheet 2005-3025 *“Scientists at the U.S. Geological Survey (USGS) are using an exciting new tool to detect, measure, and monitor subtle changes in the shape or relative position of the Earth’s surface. By bouncing signals from a radar satellite off the ground in successive orbits and looking at the differences between the images, interferometric synthetic aperture radar (InSAR) can detect small differences in the distance between its position and the ground as the land surface moves--whether up, down, or sideways. InSAR shows spatial patterns of deformation in remarkable detail and, in combination with ground-based monitoring, gives USGS scientists unprecedented insight into a wide range of earth science processes.”*

We can see that the word **Contrast** implies the question “with what” compared to What? So in these cases we can see we are comparing the measurements of the same thing with different measurement techniques and measures produced over time.

Measuring things like Temperature, Size, Saturation of colour, density, reflection of things (Eyes, Radar, sonar, Lidar, etc. You can see that many of these things relate to the human senses - sight, sound, touch, taste/smell - which have evolved to help humans **make sense** of things. What is a thing made of? Chemicals, atoms, energy, heat, vacuum (distance), density, shapes, other things, other measures of things.

As we grow and learn we get more “measures” to measure things with which gives us contrasting views of things - sometimes from different people and their perspectives and their “measures”. For example a religious fanatic will **compare and contrast** everything with simple or a small number of measures - the “Certain Holy Book” or a Binary zealot will compare and contrast everything with the binary frame of “Good/Bad” for whatever their “**certain cause**” is.


Over time We learn about new types of measures of things which we can Contrast and Compare about One defined thing or between Many defined things



 **God of certainty**

BINARY

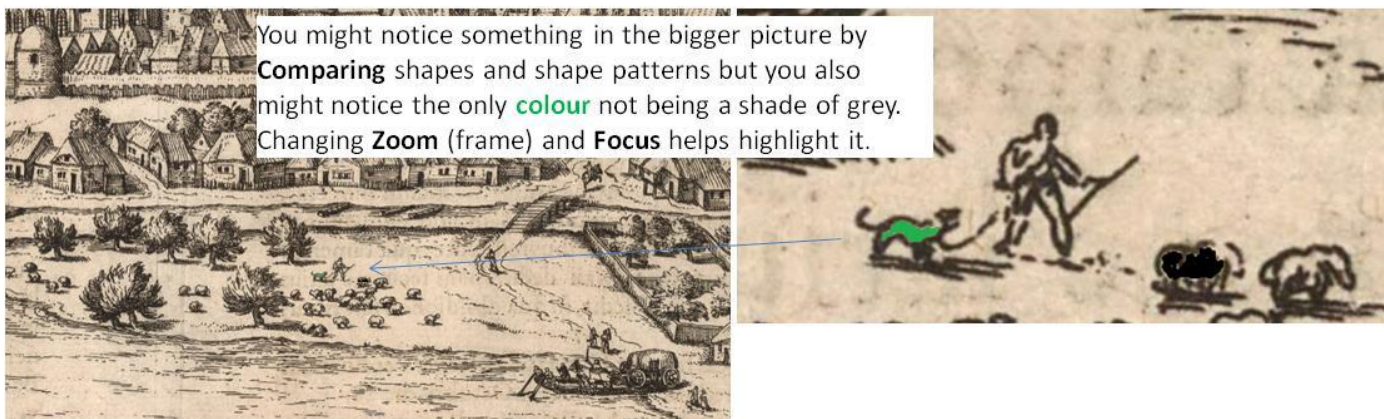
 Everything is measured in

 either **Good or Bad** and I will be the judge of That

See **David Rumsey Map Collection**

https://www.davidrumsey.com/luna/servlet/view/search?q=city%3D*+LIMIT%3ARUMSEY%7E8%7E1&showAll=where&os=0&pgs=250&res=1&cic=RUMSEY%7E8%7E1

When we see something like a picture we might try to make sense of it by using **Zoom** and **Focus** but we may be drawn to something which stands out in a **Contrast** and **Compare** way with are schemas and ideas - it looks different than the rest. A green dog and a black sheep may be noticed by you but does it distract from exploring and seeing other things? *“I have solved the puzzle so let us move on!”*



Also see <https://www.youtube.com/watch?v=lxupgRr-qwl> How Our Brains Turned Fools Woke - Dr. Iain McGilchrist (4K) | heretics. 33

So to paraphrase Iain - when you see something new - you will explore it using the certain things you know - the selected things that your left brain hemisphere knows about in a certain fast “*grabbing*” way while you will simultaneously be “*feeling about*” for similarities and relationships with many

ideas and vague notions you might have which come from your Brain's' Right hemisphere. This will include vague notions and **feelings about things** from many other parts of the brain which are not as dogmatic and fixed. Using the right hemisphere takes more time to explore everything. Dan Dennet hints at this approach as well. The right brain will have notions of "What does this remind me of" "I feel some vague familiarity". Sometimes the Right Brain will question "What is that?" "What Am I seeing?"

The left brain will keep dismissing it as "certainty" - it is a certain "Sketch" - and "There is certainly nothing more to be seen or explored" "I found the green dog so let us move on" (Isn't my left brain clever!) See **Stepping Over The Bodies With Binary Certainty** <https://humanistman.com/wp-content/uploads/2021/02/Stepping-Over-The-Bodies-With-Binary-Certainty.pdf> People like Canberra Magistrate Robert Cook will puff themselves up and fill themselves with heroic tribal causist certainty and say "*nothing to see or question here*" "*I know who the villains are*" (White men) as they abuse and belittle any man trying to defend himself. Women (on average - victim narratives, groupthink) do this kind of ignoring of questions because of their narcissism and desire for tribal binary certainty overcoming anxiety and avoiding work - **Fat, Dumb and Lazy**.

Think of the expressions "Changing filters", "Seeing things from a different perspective" "Seeing things from another point of view", De Bono's hats, going to a cave and thinking about things https://en.wikipedia.org/wiki/Benedict_of_Nursia, seeking higher ground to explore the landscape from a Temple on a Mountain (which turned into a "Religious experience")

Rene Descartes <https://plato.stanford.edu/entries/descartes/> Copyright © 2023 by Gary Hatfield <hatfield@phil.upenn.edu> - Fair use public education not for profit partial extract

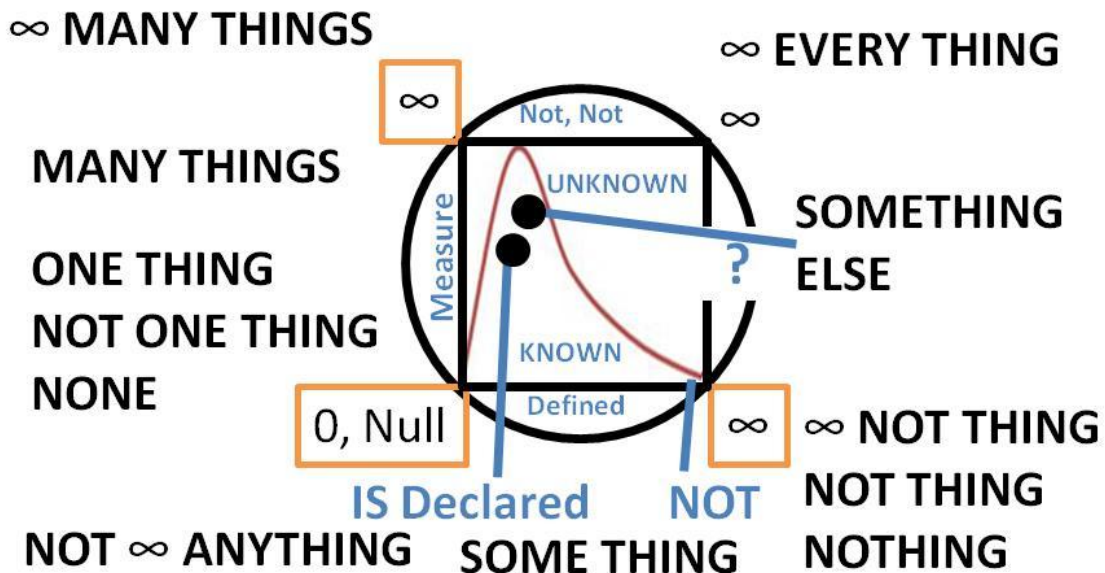
His major philosophical effort during these years was on the Rules.

In the Rules, he sought to generalize the methods of mathematics so as to provide a route to clear knowledge of everything that human beings can know. His methodological advice included a suggestion that is familiar to students of elementary geometry: break your work up into small steps that you can understand completely and about which you have utter certainty, and check your work often. But he also had advice for the ambitious seeker of truth, concerning where to start and how to work up to greater things. Thus, Rule 10 reads: "In order to acquire discernment we should exercise our intelligence by investigating what others have already discovered, and methodically survey even the most insignificant products of human skill, especially those which display order" (10:403). As examples of "simple" arts "in which order prevails" (10:404), he offered carpet-making and embroidery, and also number-games and arithmetic games. He went on to discuss the roles of the "cognitive faculties" in acquiring knowledge, which include the intellect, imagination, sense perception, and memory. These faculties allow the seeker of knowledge to combine simple truths in order to solve complex problems as found in optics (10:394) or to discover how a magnet works (10:427).

<https://www.gutenberg.org/cache/epub/59/pg59-images.html> **Discourse on the Method of Rightly Conducting One's Reason and of Seeking Truth in the Sciences** Author: René Descartes Translator: John Veitch

When Nothing Becomes Some Thing

The proximity of some thing is related to if we notice it or not. When we notice things we do work to define and measure things - we use our schemas of frames to try to make sense of things. We do enough work on definition and measurement to notice the Thing as Something we can describe and measure. This aids our communication with other people.



You will notice that the **thing declared** (The declared is) sits between two infinities - the Infinite **NULL** and the infinite **NOT** - NOT the THING DECLARED.

The mistake many binaries make is to stick to pairs of declared things e.g. Good/Bad - Same/Different. We also have an initial self reference and recursion issue. (**we all have to start somewhere**).

A better way of thinking is to ask yourself "What is the Opposite of an Apple?" - the answer is "Infinitely many things which are not an Apple!" - The **infinite Not** of the thing declared. What can I **compare and contrast** with an Apple? Infinitely many different **declared things** by infinitely many **measures**. So the **Infinite NOT** is the Infinity of things declared which are NOT a declared apple. The **Null** is the absence of **anything** declared at all. **Not infinitely anything**.

We start with null, then declare some thing then there are infinitely many things that are not the some thing declared. I must point out that DATABASE technology uses the word "null" when a **defined column** is EMPTY. The problem here is that the word "NULL" in SQL language sense - really means the "Infinite NOT" of the thing declared - for example if a specific question is not answered then the question has been made specific and declared and the answer is the **Infinite NOT**. I do Not know if he has an **declared apple** and I never will. i.e. Can you have a NULL Apple? No - I have NULL of anything and everything - I have null. I can have **ZERO** apples as long as apples is always defined and declared i.e. **in this Box are all the apples**. I have Not One Apple, I have "None" - you are on the Measure line (Zero) not the declared line (null).

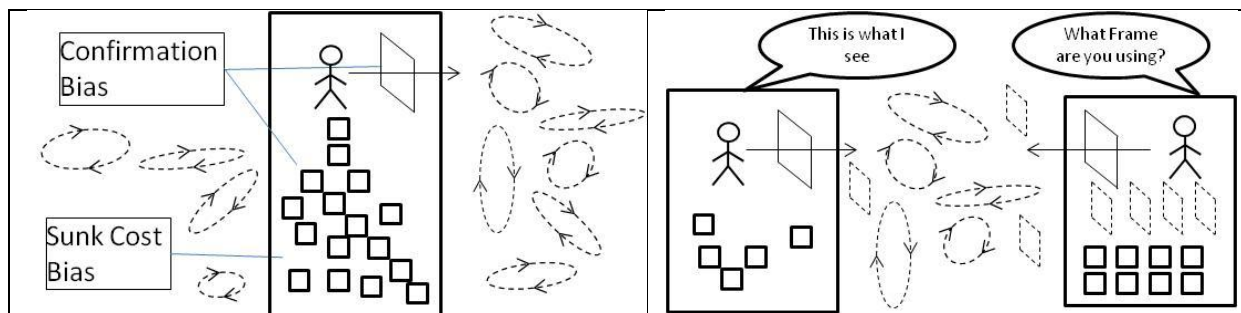
The NULL never posed a question in the first place. Null is Null. And the infinite **NOT the same** is a **single NOT** e.g. This is AN APPLE, this is AN ORANGE which is **NOT the Same** as an Apple. So our

current language in Maths, Computer technology and general English is confused - many scientists and philosophers struggle with these concepts. The same goes for the word **NONE (not one)** - the question has been posed "How many apples do you have" - the answer "None" is really the Infinite NOT because the specific question has been posed **but it could also be seen** as the NULL and ZERO. Asking a person how many "X" do you have means you have explain exactly what X is and what you mean by X. **Do you you know what "X" is?** - Again - the NULL is the answer but you then declare many things and many NOT things as part of the discussion.

The Plurality Model can help understand the issues and ALL parts of the model are open to questions and debate. This is **NOT** an easy to understand or discuss and few people will understand the discussion or the reason for it.

"At the moment we are stuck - we do not have anything. We have not one thing. We need something to go forward. Any something is better than nothing at this stage. If that something does not work we will try something else. If that does not work we will try as many things as we can until it does work." (Me, Now) The Human condition.

As we develop our understanding of things we get greater sets of things declared and measurements of things. These help form our schemas which we use to see the world and have conversations. When we have conversations we are not only explaining "things" - we are explaining our things, measurements, schemas and exposing our confirmation and sunk cost biases. For example it is much more difficult to have conversations with people who have invested their whole life into one fixed schema like Religion or Tribal Greens/Labour e.g. Someone like Mark Dreyfuss if you question him he will say "How Dare You" (Question MY sunk cost and confirmation bias) See **Obvious Deluded Psychopaths – Extremists – Feminists** <https://humanistman.com/wp-content/uploads/2022/01/Obvious-Deluded-Psychopaths-Extremists-Feminists.pdf>



People can have many different internal schemas which they use to frame and measure the world - with different connections and weights of importance they put on different things. See **The Consumer Price Index** <https://humanistman.com/wp-content/uploads/2023/09/The-Consumer-Price-Index.pdf>

I used the ideas from the **Encyclopædia Britannica - Great Books Of The Western World - Volumes 1-54** to build several hypothetical schemas and show their differences using networks <https://archive.org/details/encyclopaediabritannicagreatbooksofthewesternworld/Encyclop%C3%A6dia%20Britannica%20-%20Great%20Books%20of%20the%20Western%20World%2C%20Volume%201%20->

[%20The%20Great%20Conversation/](#) some people have stronger and more links to ideas than others. The Zealot links most to “God” while the Drama Queens and Heroes link many things to “Fear” and “Safety”. I tend to link exploration , science and discovery type things.



Responding or Answering

Many people can respond to a question but few people answer questions. Snails , Algae and Viruses **respond** to stimulus.

Most politicians do not answer questions they simply respond with word salads and meaningless gibberish to avoid answering the question. They do this because many are corrupt and perpetual liars but also too because they are extremely dim-witted and stupid about most things in the world. So the only question for any politician really is “Can you repeat the word salad your tactics committee gave you today?” and if they cannot then they are simply failing a memory test.

Dan Andrews and all Labour/Greens politicians routinely lie and fail to remember anything about what they did or didn’t do or say to anyone or anything. QLD premiers laugh and chortle at any question. Greens/Labour laugh and belittle anyone who dares to question. Putiin assassinates people who question. How much money they spent, who received the Aldi Bags of cash, where exactly the bags of cash went, what promises were made to the Unions or others who handed over the bags of cash. Rather than write things down or keep records open to scrutiny - everything is done secretly and not open to public view. Very much like the Mafia and other criminal gangs. They are permanently “unanswerable” for anything and will distract and attack people who question. Dreyfuss will wave his **finger of outrage** “*how dare you*”.

Earth Distance Calculations

https://en.wikipedia.org/wiki/Thaddeus_Vincenty **Thaddeus Vincenty** (born *Tadeusz Szpila*; 27 October 1920 – 6 March 2002) was a Polish American geodesist who worked with the U.S. Air Force and later the National Geodetic Survey to adapt three-dimensional adjustment techniques to NAD 83.[1] He devised Vincenty's formulae, a geodesic calculation technique published in 1975 which is accurate to about half a millimeter. <https://stevemorse.org/nearest/distancebatch.html>
<http://www.movable-type.co.uk/scripts/latlong-vincenty.html>
https://en.wikipedia.org/wiki/Vincenty%27s_formulae <https://github.com/tdjastrzebski/Vincenty-Excel> Excel version

Proximity in 1500s wars

If I use Proximity of Wars as an example to study then I may come up with some general ideas and patterns for other things like Proximity of Educational attainment - proximity of humanism, proximity of Peace, Health, Civilized behaviour, etc while carefully avoiding draconian mandates and a rush to certainty.

As I was reading some of the latest volcanic research papers I noticed a new visualization technique which might help me with showing events. In many ways the **proximity type thinking** is closely related to the geology and volcanic research - tracking events, measuring size of impacts of events, examining links between events and sensing correlations and patterns with a view to possible prediction of events. Weather prediction is also very similar and decades of research gave rise to many scientific breakthroughs and visualization techniques. Health research, plagues and Infections also use similar techniques. All based on Hippocrates "DO NO HARM" principle <https://en.wikipedia.org/wiki/Hippocrates> - **no sane person** wants to set off the volcano, ruin the weather or release plagues OR LOCK EVERYONE UP due to **prophetic calamitous** "PREDICTIONS" (e.g. constant fear and hysteria)

The measure which I notice was the **Time between events**.

The **time since last event** is one of the Main Measures for volcanoes and may have some application in the chaos of human events as well. This is a different idea to Frequency of events - for example people who live in Italy are conditioned to the Earthquakes and constant volcanic activity - they no longer Notice it - they are used to it.

The other measure I noticed was **Distance between events** - in the case of volcanoes the "underlying cause" is the magma and pressure points beneath the planet of the earth and the way the crust of the earth responds to that.

It is not surprising that two of the most used measures emerged **Time** and **Distance** but we can be a little more explorative and defined about what we mean by these things. For example "Distance" calculations are sometimes thought as "Degrees of Freedom" "Available choices" "Social networks" "Education networks" 6 Degrees of separation https://en.wikipedia.org/wiki/Six_degrees_of_separation , Dunbar Number https://en.wikipedia.org/wiki/Dunbar%27s_number , Euler walks, Citations in Published papers (Popularity or "Popular Scientific Opinion"), etc.

We can easily visualize X and Y based graphs in two dimensions and we sometimes struggle with the third Z dimension. We sometimes do this with a Size measure - which shows varying sizes of the things on the X/Y axis. So it is then a matter of choosing a **size measure**.

For example - *number of people affected* could be a size measure but would take some work to estimate and define. So my tendency is to first look at the simple measures which are less contentious . I might choose something like "**Duration of event**" - which is part of the time dimension but adds some extra meaning. A **Constant War** is different to a **Single Battle** on a day although the effects and consequences may have different durations of each.

You will note that **Magnitude, Severity and Impact** are words for Volcanoes, Tsunamis, Earthquakes, Storms and they are usually based on a fixed logarithmic scale [https://en.wikipedia.org/wiki/Magnitude_\(mathematics\)](https://en.wikipedia.org/wiki/Magnitude_(mathematics)) Magnitude is a kind relative general term like “relative size” - which helps make the distinction between numerous things that are in one general magnitude - say a Human being compared to Galaxies and quantum particles. Without adopting some kind of logarithmic scale things get swamped by the “size”. The **Richter scale** https://en.wikipedia.org/wiki/Richter_scale

See **Equality – Diversity – Measurement – Notice** <https://humanistman.com/wp-content/uploads/2020/08/Equality-Diversity-Measurement-Notice.pdf>

The other technique for magnitude is to map to values from 1 to 10 - where **10 is always the maximum**. This way measurements can stay comparable through time in an understanding history kind of way. This applies to things like Indexes used in statistics and stock markets - the idea being that constantly rebasing the indexes is a lot of work and eliminates detail of older events.

In recent times the ABS has changed the measures from Average to Median for Income <https://www.abs.gov.au/statistics/labour/earnings-and-working-conditions/employee-earnings/latest-release> for some unknown reason e.g. “Better” and “Truth”. This happens from time to time as statisticians find a “better statistic” e.g. R number https://en.wikipedia.org/wiki/Basic_reproduction_number

In Australia we used to have **Fire Danger Warnings** which were 3 categories High, Medium and Low. These were changed over the last few decades to things like None, Low, High, Very High, Extreme and Catastrophic and the **End of the world as we know it**. This also applies to the threats of “Extremist Terrorism” which once implemented <https://www.nationalsecurity.gov.au/national-threat-level/current-national-terrorism-threat-level> has spent most of the time at a level “Definite constant threat” as a kind of permanent “Big Brother” inducing authoritarian state to implement jackboot policies - a kind of constant reminder and anxiety prod for women and weak minded people to say “Trust us - we are keeping you safe” for the benefit of/and implemented by - weak minded women (on average) and weak minded male Heroes.

My main frame for exploration of the wars by presenting visually :

- Time of Event
- Time Between Events
- Magnitude - length of Time/ Number of events
- Grouping (Clusters) - Location(Continent, Country of Event, Country of Birth, City?) - maybe frequency with a group distance?

Some places were in constant conflict - like Manila. - a constant civil war as opposed to many Battles or Great battle events. In volcanic terms it would be similar to Stromboli <https://volcano.si.edu/volcano.cfm?vn=211040> called the lighthouse of Europe with almost constant low level eruptions. Or Etna was well.

So if I reduce Lat and Long of the 1500s events to the **nearest rounded whole number** and do frequency counts I get what are the main clusters by frequency

Continent	CountOfId	Nearest City	Lat0	Long0	Clus0	Clus1
Western Europe	22	Ghent	51	4	1	1.1
Western Europe	20	Arnhem	52	6	1	1,2
Western Europe	19	Utrecht	52	5	1	1.3
Western Europe	14	Paris	49	2	2	
Northern Europe	11	Edinburgh	56	-3	3	
Western Europe	11	Groenlo	52	7	1	1.4
Western Europe	10	The Hague	52	4	1	1.5
Western Europe	10	Groningen	53	6	1	1.6
Southern Europe	10	Pavia	45	9	3	
Western Europe	10	Calais	51	2	1	1.8
Western Europe	9	Groningen	53	7	1	1.6
South-eastern Asia	8	Malacca	2	102	4	
Western Europe	8	Cologne	51	7	5	
Western Europe	8	Ghent	51	3	1	1.1
Western Europe	8	Bavay	50	4	6	
Southern Europe	8	Zagreb	45	8	7	
Eastern Asia	7	Nara	35	136	8	
Latin America and the Caribbean	7	Concepcion	-37	-73	9	
Western Europe	7	Cambrai	50	3	1	1.8
Western Europe	7	Ghent	51	5	1	1.1

So this gives me some **Candidate** "Hotspots"

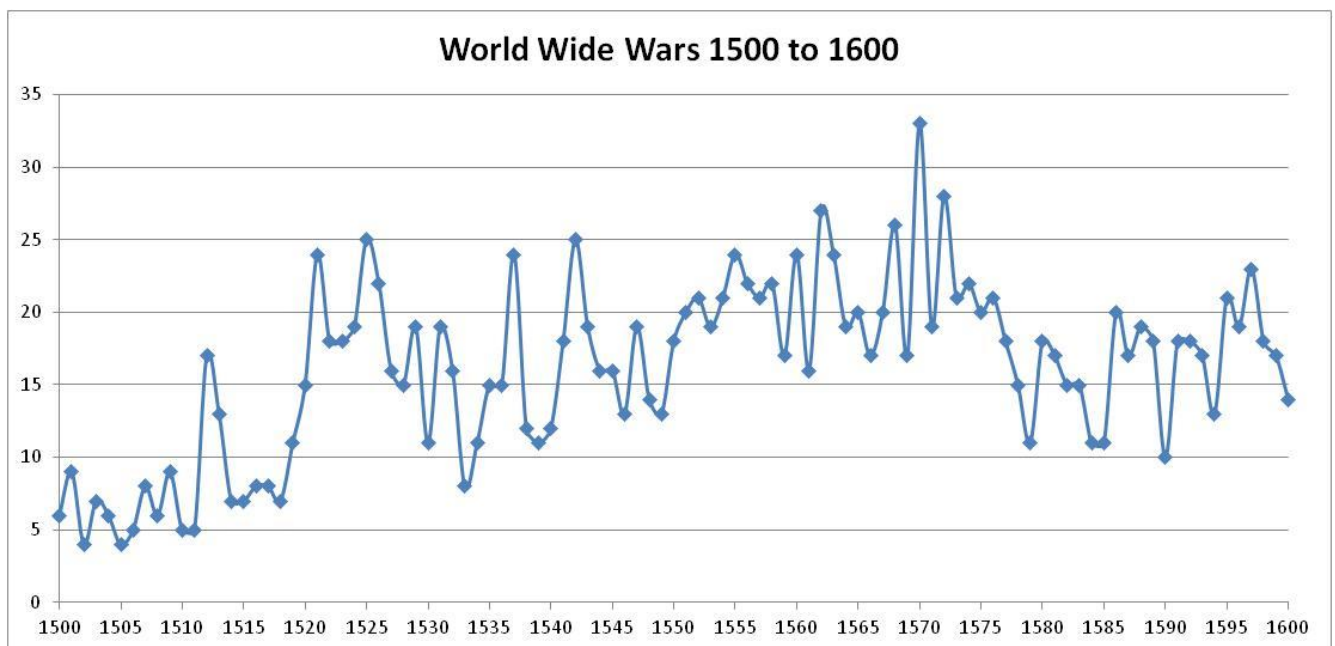
What I am looking for is Candidate "Locations" or central points where things can be connected to.
So if I divide longitude by 10 and then do the same query I get more "Aggregated areas"

Continent	CountOfId	Nearest City	Lat0	Long/10/0	Clus0	Clus1
Western Europe	46	Ghent	51	0	1	1.1
Western Europe	42	Antwerp	52	1	1	1.5
Southern Europe	28	Pavia	45	1	3	
Western Europe	27	Caen	49	0	10	
Western Europe	24	Groningen	53	1	1	1.6
Western Europe	21	Antwerp	52	0	1	1.5
Western Europe	20	English Channel	50	0	1	1,8
Western Europe	19	Cologne	51	1	5	
Northern Europe	18	Scotland	56	0	3	
Western Europe	17	Le Mans	48	0	11	
South-eastern Asia	13	Malacca	2	10	4	
Western Europe	12	La Rochelle	46	0	12	
Western Europe	12	Poitiers	47	0	13	
Western Europe	12	Paris	49	1	2	
Eastern Asia	11	Nara	35	14	8	
Southern Europe	10	Belgrade	45	2	14	
Western Europe	10	Marienberg Fortress	50	1	15	
Eastern Asia	10	Nara	35	13	8	
Western Europe	10	Bordeaux	45	0	16	
Latin America and the Caribbean	8	Chile	-37	-7	9	
Southern Europe	8	Florence	44	1	17	

Grouping around location but also around Religion - what should I group or Cluster around? I can use the volcanic example of EPICENTER - round which related events cluster. I can use statistical analysis techniques to examine epicenters of cluster points in space and time. To do that I would need to calculate distances between events i.e. each event with each other event which is a large number and then find locations which seem to be a cluster point. I could exclude some I already know like Malacca, Goa, Netherlands, France, Japan/Korea, Thailand/Burma, India, the Americas are all a cluster - which leaves Europe, Africa, Levant and the rest of Asia. Some cities stand out for frequent and long battles.

I could also cluster around the name “Anglo Spanish” or “Ottoman”, at this stage for simplicity will use my selected ideas of frequency and “Theatre of War” based mainly on location because I want to notice the effect of a physical region where people live.

My Summary of Wars I recorded in the world is not complete because of definition and other problems but gives some indication of activity. I located all of these on google maps and then down loaded the data into my database for analysis. Sometimes I picked a general area for things like **Russo Swedish Wars 1590 to 1595** - which covers a continuous 5 year period rather than a single battle.



I assigned locations of wars to cluster regions - Antwerp and Groningen are close together.

CountOfId	Name0	Location_Type0
163	Other	
99	Antwerp	REGION
79	Cologne	City
60	La Rochelle	City
52	India	Country
36	New_Spain	Region
35	Pavia	REGION
30	North_Africa	Region
29	Nara	REGION

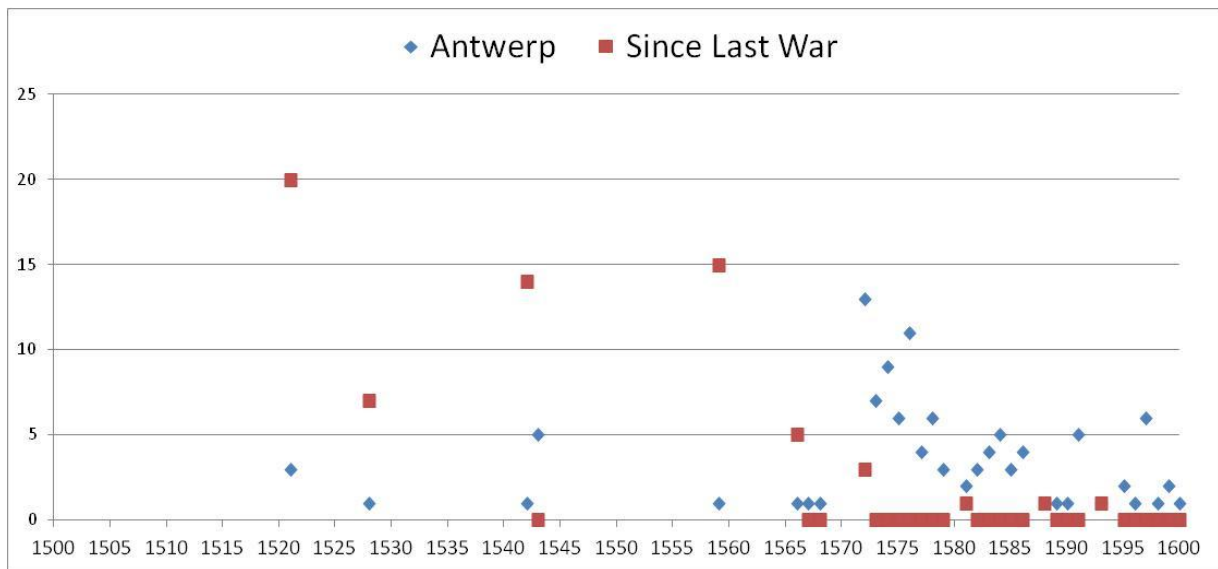
24	Southern_Italy	Region
24	Chile	Country
23	Groningen	City
23	Malacca	City
22	Turkey	Country
21	Edinburgh	City
21	Scotland	Country
21	Calais	City
20	Ireland	Country
20	Russia	Region
17	Belgrade	City
16	Paris	City
14	England	Country
14	London	City
12	Djibouti	REGION
8	North_Atlantic	Region
3	North_America	Region

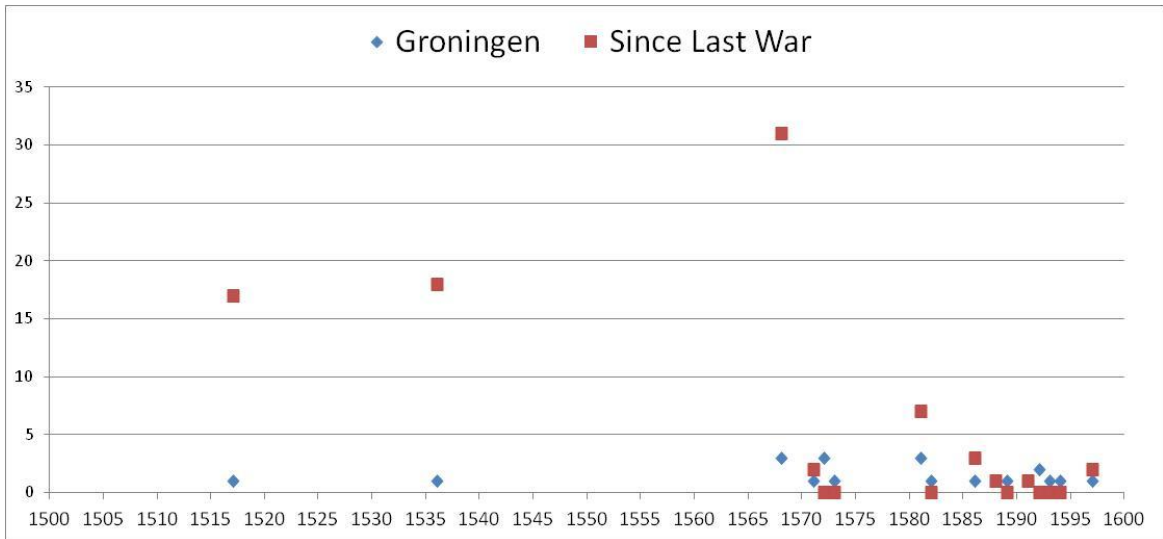
The other category is from mainly Spain, the Northern European countries, Middle Asia. This is a table of counts by country of Event for the “other” cluster.

CountOfId	Country	Continent
25	Spain	Southern Europe
12	Sweden	Northern Europe
12	France	Western Europe
11	Afghanistan	Southern Asia
10	Romania	Eastern Europe
8	Poland	Eastern Europe
7	Hungary	Eastern Europe
6	Ukraine	Eastern Europe
6	Portugal	Southern Europe
5	Estonia	Northern Europe
5	Germany	Western Europe
4	Thailand	South-eastern Asia
4	Myanmar	South-eastern Asia
3	Slovakia	Eastern Europe
3	Georgia	Western Asia
3	Saudi Arabia	Western Asia
3	Austria	Western Europe
3	Sri Lanka	Southern Asia
3	Uzbekistan	Central Asia
2	Finland	Northern Europe
2	China	Eastern Asia
2	Bahrain	Western Asia
2	Philippines	South-eastern Asia
2	Mali	Sub-Saharan Africa
2	Azerbaijan	Western Asia
2	Angola	Sub-Saharan Africa
2	Oman	Western Asia

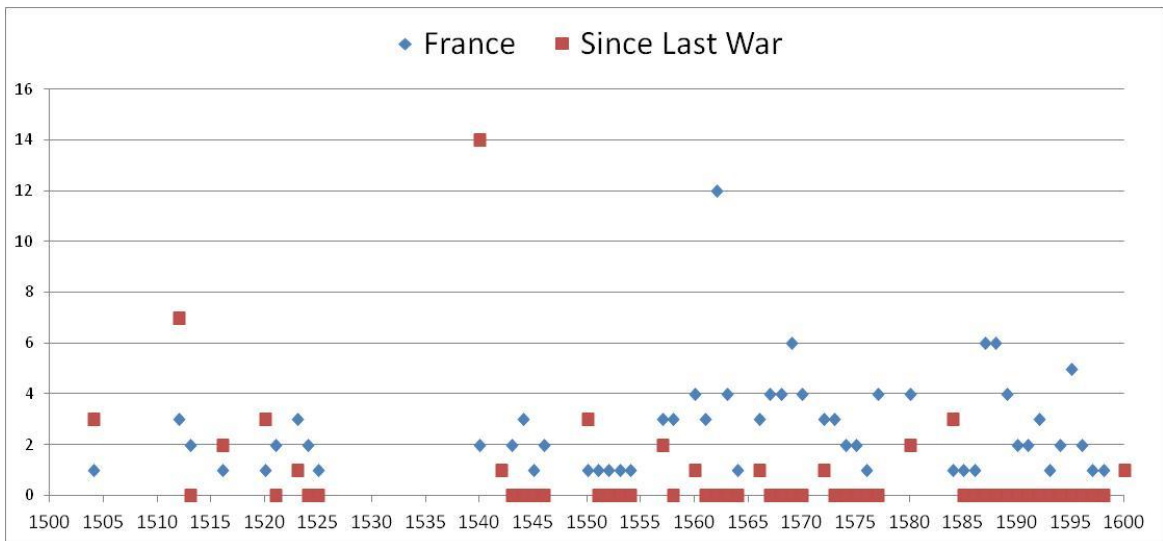
1	Cabo Verde	Sub-Saharan Africa
1	Cambodia	South-eastern Asia
1	Bangladesh	Southern Asia
1	Denmark	Northern Europe
1	Eritrea	Sub-Saharan Africa
1	Ethiopia	Sub-Saharan Africa
1	Iceland	Northern Europe
1	Latvia	Northern Europe
1	Vietnam	South-eastern Asia
1	Montenegro	Southern Europe
1	San Marino	Southern Europe
1	Somalia	Sub-Saharan Africa
1	Turkmenistan	Central Asia
1	Kenya	Sub-Saharan Africa

If we Graph the wars for Antwerp cluster we can see both the number of wars in the Antwerp region and the Time since the most recent war in years. The Antwerp cluster is large and covers most of the Netherlands and Belgium including Ghent, Utrecht , Tournai, Zutphen. The number of the left side is **Years** for time **since last war** and **number of wars** in the **Antwerp cluster**.

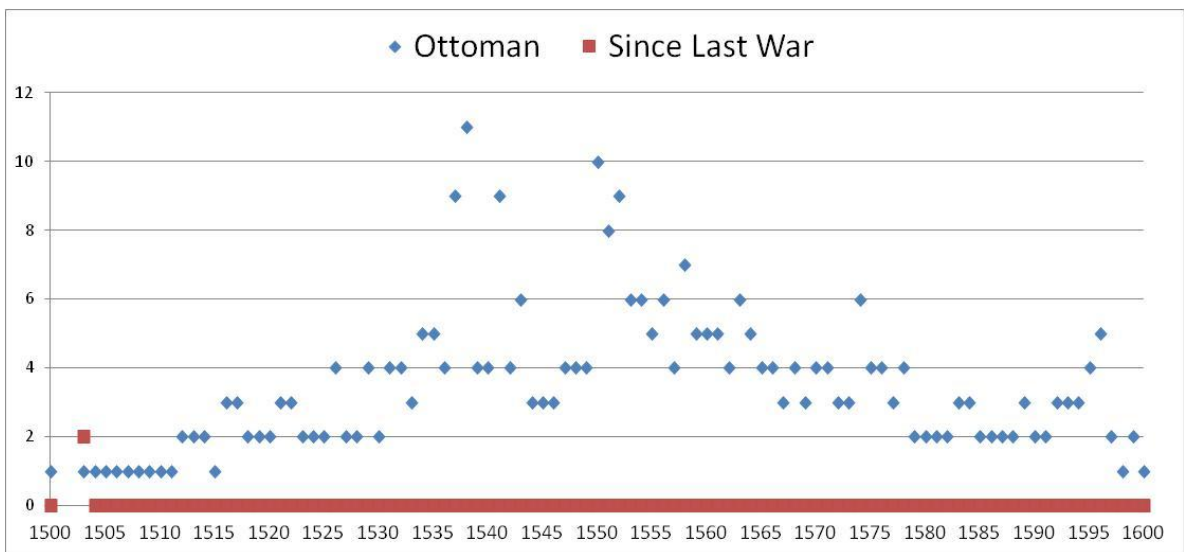




Summary for country of France



Wars containing "ottoman" in the name



I can then select people who were born in Antwerp and most likely around the time of the wars in Antwerp from 1575 to 1600. We can then examine their lives during the fall of Antwerp and explore the paintings to show us the scenes of the times through the eyes of the people who were there at the time.

I can also select more people from the larger cluster of Antwerp and anyone born in the region.

Willem Cornelisz Schouten was living in the area at the time and sailed around South America into the Spice islands to help establish a new route for the Dutch traders.

Willem Cornelisz Schouten - Lifespan[1567 to 1625] Born_Loc(Hoorn, Holland, Seventeen Provinces) Rank(80) Keyword(Explorer, Sailor, Mariner, Dutch), Wikidata(Q316391) https://en.wikipedia.org/wiki/Willem_Schouten <https://www.britannica.com/biography/Willem-Schouten> <https://www.thefamouspeople.com/dutch-explorers.php> *Although he had opened an unknown route (south of Cape Horn) for the Dutch, the VOC claimed infringement of its monopoly of trade to the Spice Islands. Schouten was arrested (and later released) and his ship confiscated in Java. On his return he would sail again for the VOC, and on one of these trips he died off the coast of Madagascar in 1625.*

Abel Tasman later used Schouten's charts during his exploration of the north coast of New Guinea

Peter Paul Rubens and his family were affected by the wars in the Antwerp region at the time and found refuge in Siegen where he was born

Peter Paul Rubens - Lifespan[1577 to 1640] Born_Loc(Siegen, Nassau-Dillenburg, Holy Roman Empire, Germany) Rank(60) Keyword(Painting, Art, History, Flemish Baroque), Wikidata(Q5599) https://en.wikipedia.org/wiki/Peter_Paul_Rubens <https://www.britannica.com/biography/Peter-Paul-Rubens> <https://www.theartstory.org/artist/rubens-peter-paul/>

Justus Lipsius founded Leiden University in 1575.

Justus Lipsius/Joest Lips/Justus Lipsius - Lifespan[1547 to 1606] Born_Loc(Overijse, Spanish Netherlands) Rank(50) Keyword(Philosophy, History, Stoic, Religion, Humanism, Human Condition), Wikidata(Q315871) https://en.wikipedia.org/wiki/Justus_Lipsius https://en.wikipedia.org/wiki/De_Constantia <https://web.archive.org/web/20120207131045/http://www.wku.edu/~jan.garrett/lipsius2.htm>

Leiden University was attended by many influential humanists and thinkers including https://en.wikipedia.org/wiki/Leiden_University *Leiden University's reputation was created in part by the presence of scholars such as Justus Lipsius, Joseph Scaliger, Franciscus Gomarus, Hugo Grotius, Jacobus Arminius, Daniel Heinsius, and Gerhard Johann Vossius within fifty years of its founding. By the 1640s, over five hundred students were enrolled from all across Europe, making it the largest Protestant university.[12][10] Baruch Spinoza discovered Descartes's work partly at Leiden University,[13] which he visited for periods of study multiple times.[14] In the 18th century, Jacobus Gronovius, Herman Boerhaave, Tiberius Hemsterhuis, and David Ruhnken were among the renowned academics of the university.*

Christophe Plantin was the printer for the university for many years.

Christophe Plantin - Lifespan[1520 to 1589] Born_Loc(Saint-Avertin France) Rank(30)

Keyword(Artist, Printer, Publishing), Wikidata(Q380360)

https://en.wikipedia.org/wiki/Christophe_Plantin <https://museumplantinmoretus.be/en/page/who-was-christophe-plantin> <https://whc.unesco.org/en/list/1185> In November 1576, the Spaniards plundered and burned Antwerp, which essentially ended its supremacy as the commercial centre and richest city of Europe, and Plantin had to pay an exorbitant ransom to protect his printing works. He established a branch of his firm in Paris. In **1583**, the states of Holland sought a typographer for the newly erected **university at Leiden**. Plantin moved there after he had left his much-reduced business in Antwerp to his sons-in-law Jan Moretus and **Frans van Ravelingen** (Raphelengius). Plantin left his Leiden office to Raphelengius and returned to Antwerp after it became more settled after its conquest by the prince of Parma in **1585**. Plantin laboured in Antwerp until his death

https://en.wikipedia.org/wiki/Franciscus_Raphelengius **Frans van Ravelingen** Latinized **Franciscus Raphelengius** (February 27, 1539 – July 20, 1597), was a Flemish-born scholar, printer and publisher, working in [Antwerp](#) and later in [Leiden](#). During the last decade of his life he was professor of Hebrew at [Leiden University](#). He produced an Arabic-Latin dictionary, of about 550 pages, which was published posthumously in 1613 in Leiden. This was the first publication by printing press of a book-length dictionary for the Arabic language in Latin.

Willebrord Snellius/Willebrord Snel van Royen - Lifespan[1580 to 1626] Born_Loc(Leiden, Netherlands) Rank(80) Keyword(Maths, Science, Optics, Lens), Wikidata(Q244152)

https://en.wikipedia.org/wiki/Willebrord_Snellius <https://mathshistory.st-andrews.ac.uk/Biographies/Snell/> https://en.wikipedia.org/wiki/Snell%27s_law

Hugo Grotius - Lifespan[1583 to 1645] Born_Loc(Delft, Holland, Dutch Republic) Rank(20) Keyword(Justice, War, Peace, Law, Humanism, Government, Poet, Playwright, Philosophy, Political Theory), Wikidata(Q154959) <https://plato.stanford.edu/entries/grotius/> <https://www.iep.utm.edu/grotius/> <https://oll.libertyfund.org/pages/grotius-hugo-1583-1645>

Joseph Justus Scaliger - Lifespan[1540 to 1609] Born_Loc(Agen, France) Rank(20)

Keyword(Philosophy, Translator, Latin, Greek, **Hebrew**, **Arabic**, History, Chronology, Humanism, Education), Wikidata(Q315163) <https://www.oxfordbibliographies.com/display/document/obo-9780195399301/obo-9780195399301-0484.xml>

https://en.wikipedia.org/wiki/Joseph_Justus_Scaliger <http://scih.org/scaliger-chronology/> Midway through **1593**, he set out for the Netherlands, where he would pass the remaining sixteen years of his life, never returning to France. His **reception at Leiden** was all that he could have wished for. He received a handsome income; he was treated with the highest consideration. His supposed rank as a prince of Verona, a sensitive issue for the Scaligeri, was recognized. Leiden lying between The Hague and Amsterdam, Scaliger was able to enjoy, besides the learned circle of Leiden, the advantages of the best society of both these capitals. For Scaliger was no hermit buried among his books; he was fond of social intercourse and was himself a good talker.[2]

During the first seven years of his residence at Leiden, his reputation was at its highest point. His literary judgment was unquestioned. From his throne at Leiden he ruled the learned world; a word from him could make or mar a rising reputation, and he was surrounded by young men eager to listen to and profit from his conversation. He encouraged **Grotius** when only a youth of sixteen to edit

Martianus Capella. At the early death of the younger Douza, he wept as at that of a beloved son. Daniel Heinsius, at first his favourite pupil, became his most intimate friend.[2]

Rene Descartes attended Leiden University in 1629, My view is that Descartes was **clever enough** to know how little he knew and though, initially daunted, he worked much harder to make sense of things. This a different approach to Greens/Labour politicians who are very uneducated and dim but **extremely sure** of everything they think. “**God is Great**”

We ought **not trust** (Be the NON Lemming who asks the question and double checks - history, others experience, hypothesis) <https://www.gutenberg.org/cache/epub/59/pg59-images.html> *Good sense is, of all things among men, the most equally distributed; for every one thinks himself so abundantly provided with it, that those even who are the most difficult to satisfy in everything else, do not usually desire a larger measure of this quality than they already possess. And in this it is not likely that all are mistaken the conviction is rather to be held as testifying that the power of judging aright and of **distinguishing truth from error**, which is properly what is called good sense or reason, is by nature equal in all men; and that the diversity of our opinions, consequently, does not arise from some being endowed with a larger share of reason than others, but solely from this, that we conduct our thoughts along different ways, and do not fix our attention on the same objects. For to be possessed of a vigorous mind is not enough; the prime requisite is rightly to apply it. The greatest minds, as they are capable of the highest excellences, are open likewise to the greatest aberrations; and **those who travel very slowly may yet make far greater progress, provided they keep always to the straight road**, than those who, while they run, forsake it.*

- Our senses
- Feelings
- Memory
- Thinking (good sense)

Rene Descartes - Lifespan[1596 to 1650] Born_Loc(La Haye en Touraine, Touraine, Kingdom of France (now Descartes, Indre-et-Loire)) Rank(10) Keyword(Philosophy, Math, Exponents, Science, Geometry , Algebra), Wikidata(Q9191) https://en.wikipedia.org/wiki/Ren%C3%A9_Descartes <http://www.gutenberg.org/ebooks/search/?query=rene+descartes> <https://plato.stanford.edu/entries/cartesius/> *Famously, Descartes wrote in the autobiographical portion of the Discourse (1637) that, when he left school, “I found myself beset by so many doubts and errors that I came to think I had gained nothing from my attempts to become educated but **increasing recognition of my ignorance**” (6:4).*

*'I've finally stopped getting dumber (self anointed epitaph)' - Author(**Paul Erdős**) Year[1970?]* Keyword(Humanism Development Individual) https://en.wikipedia.org/wiki/Paul_Erd%C5%91s

One question I have is “**Would Rene Descartes worked as hard as he did on major philosophical and other issues if he was in different circumstances?**”

Did the stress of the time help produce great works by great men?

People born in **ANTWERP** city during selected years.

level3_main_occ	name	wikidata_code	Birth	Death
painter	Maerten_de_Vos	Q555022	1532	1603
painter	Joachim_Beuckelaer	Q533314	1533	1573
engraver	Abraham_de_Bruyn	Q2821866	1539	1587
painter	Denis_Calvaert	Q544264	1540	1619
militar	Maximilien_de_Henin,_3rd_Count_of_Bossu	Q699161	1542	1578
painter	Joris_Hoefnagel	Q1388840	1542	1600
editor	Jan_Moretus	Q1913333	1543	1610
painter	Quentin_Metsys_the_Younger	Q548527	1543	1589
painter	Gillis_van_Coninxloo	Q525646	1544	1607
painter	Bartholomeus_Spranger	Q447682	1546	1611
artist	Johannes_Wierix	Q18152431	1549	1620
Witch_Hunter	Martin_Delrio	Q1343514	1551	1608
painter	John_de_Critz	Q1383289	1551	1642
painter	Anton_II_Wierix	Q20089487	1552	1604
engraver	Hieronymus_Wierix	Q2778104	1553	1619
painter	Paul_Bril	Q540753	1556	1626
philologist	Jan_Gruter	Q64263	1560	1627
painter	Tobias_Verhaecht	Q1860598	1561	1631
painter	Adam_van_Noort	Q351328	1562	1641
painter	Joos_de_Momper	Q560548	1564	1635
militar	Anthonie_II_Schetz	Q2026290	1564	1641
painter	Jacob_de_Gheyn_II	Q1347434	1565	1629
explorer	Willem_Usselincx	Q2022152	1567	1647
explorer	Sebald_de_Weert	Q973176	1567	1603
explorer	Joris_van_Spilbergen	Q1370433	1568	1620
painter	Pieter_Neefs_the_Elder	Q596352	1568	1659
engraver	Cornelis_de_Jode	Q676768	1568	1600
humanist	Cornelius_Martini	Q1133878	1568	1621
painter	Frans_Pourbus_the_Younger	Q934540	1569	1622
painter	Abraham_Janssens	Q330139	1570	1632
publisher	Pieter_de_Jode_I	Q724760	1570	1634
painter	Ambrosius_Bosschaert	Q459665	1573	1621
admiral	Pieter_Willemsz_Verhoeff	Q2783073	1573	1609
playwright	Sebastiaen_Vrancx	Q976386	1573	1647
painter	Hendrick_van_Balen	Q642071	1575	1632
painter	Frans_Snyders	Q29231	1579	1657

The people who I have coded for the wars and events in the 1500s in the **Antwerp cluster** are listed below in sorted descending order of the count of number of events they were involved in.

cnt	Wikidata code	name	Birth	Death	citizenship	Bplace country
20	Q164062	Maurice, Prince of Orange	1567	1625	House of Orange-Nassau	Germany
16	Q312903	Alexander Farnese, Duke of Parma	1545	1592	Spain	Italy
12	Q78454	William the Silent/William of Orange	1533	1584	House of Orange-Nassau	Germany
11	Q2435779	Francis Vere	1560	1609	Essex	England
6	Q699726	Fadrique i Alvarez de Toledo, 4th Duke of Alba	1537	1583	Spain	Spain
6	Q1377854	John Norris (soldier)	1547	1597	England	England
6	Q508521	Cristobal de Mondragon	1514	1596	Spain	Spain
6	Q34417	Philip II of Spain	1527	1598	Spain	Spain
5	Q1992193	Julian Romero	1518	1577		Spain
5	Q1391408	Maarten van Rossum	1478	1555	Netherlands	Netherlands
5	Q7792552	Thomas Morgan (died 1595)	1542	1595	England	Wales
5	Q2753558	Horace Vere, 1st Baron Vere of Tilbury	1565	1635	Essex	England
5	Q157107	John of Austria	1547	1578	Spain	Germany
5	Q679752	Francisco Verdugo	1537	1595	Spain	Spain
4	Q2381763	Gillis van Berlaymont	1545	1579	Habsburg Netherlands	France
4	Q2499141	Philip of Hohenlohe-Neuenstein	1550	1606	Hohenlohe-Neuenstein	Netherlands
4	Q699161	Maximilien de Henin, 3rd Count of Bossu	1542	1578	Bossu	Belgium
4	Q71428	William Louis, Count of Nassau-Dillenburg	1560	1620	House of Orange-Nassau	Germany
4	Q698977	Willem IV van den Bergh	1537	1586	Netherlands	Netherlands
4	Q80847	Fernando i Alvarez de Toledo, 3rd Duke of Alba	1507	1582	Spain	Spain
4	Q157077	Mary of Hungary (governor of the Netherlands)	1505	1558	Belgium	Belgium
4	Q7359127	Roger Williams (soldier)	1540	1595	Wales	Wales
3	Q318380	Francis, Duke of Anjou	1555	1584	France Kingdom	France
3	Q690718	Sancho d'Avila	1523	1583	Spain	Spain
3	Q872653	Francisco de Mendoza	1547	1623	Spain	Spain
3	Q5296947	Francisco de Valdez	1522	1580	Spain	Spain
3	Q872513	Maarten Schenck van Nydeggen	1540	1589	Netherlands	Germany
3	Q700300	Louis of Nassau	1538	1574	House of Orange-Nassau	Germany
3	Q701932	Peter Ernst I von Mansfeld-Vorderort	1517	1604	Germany	Germany
2	Q510160	William II de La Marck	1542	1578	Sea_Beggars	Belgium
2	Q307815	Margaret of Parma	1522	1586	Belgium	Belgium
2	Q437093	Philip, Count of Egmont	1558	1590	Netherlands	Netherlands
2	Q55614982	Jean de Hangest, seigneur d'Yvoy	1530	1572	France	France
2	Q699180	Frederik van den Bergh	1559	1618	Netherlands	Netherlands
2	Q2064207	Paulus Buys	1531	1594	Netherlands	Netherlands
2	Q435844	Lamoral, Count of Egmont	1522	1568	Netherlands	Belgium
2	Q311452	Albert VII, Archduke of Austria	1559	1621	Spain	Austria
2	Q520743	Karl von Mansfeld	1543	1595		Luxembourg

2	Q62483	William, Duke of Julich-Cleves-Berg	1516	1592		Germany
2	Q318017	Robert Dudley, 1st Earl of Leicester	1532	1588	England	England
2	Q315509	Philip Sidney	1554	1586	England	England
2	Q723038	Bernardino de Mendoza	1540	1604	Castille	Spain
2	Q333528	George Gascoigne	1525	1577	England	England
2	Q701605	Philips of Marnix, Lord of Saint-Aldegonde	1540	1598	Netherlands	Belgium
2	Q1832646	Charles Philippe de Croy, Marquis d'Havre	1549	1613	Netherlands	Belgium
2	Q1451253	Francois de la Noue	1531	1591		France
2	Q358905	Louis de Boisot	1530	1576	Netherlands	Belgium
2	Q3187820	Juan del Añguila	1545	1602	Spain	Spain
2	Q698917	Jan van Stirum	1567	1613		Netherlands
2	Q182094	Luis de Requesens y Zuniga	1528	1576	Spain	Spain
1	Q2333857	Willem Bloys van Treslong	1529	1594	Netherlands	Netherlands
1	Q2644513	Alfonso Felix de Añvalos Aquino y Gonzaga, Marquis del Vasto	1564	1593	Italy	Italy
1	Q265243	Countess Louise Juliana of Nassau	1576	1644	Netherlands	Netherlands
1	Q2232284	Ruy Gomez de Silva	1516	1573	Portugal	Portugal
1	Q238227	Louise de Coligny	1555	1620	France	France
1	Q2579854	Jacques, Duke of Nemours	1531	1585		France
1	Q2186514	Joos de Moor	1550	1618	Netherlands	Netherlands
1	Q2158828	Robert Sidney, 1st Earl of Leicester	1563	1626	England	England
1	Q2276154	Emanuel Philibert de Lalaing	1557	1590	France	France
1	Q1826184	Luis de Velasco y Velasco, 2nd Count of Salazar	1559	1625	Spain	Spain
1	Q1076886	Jacques Dalbon, Seigneur de Saint Andre	1505	1562		France
1	Q1097261	Claude de l'Aubespine, baron de Chateauneuf	1510	1567	France	France
1	Q132545	Henry II of France	1519	1559	France	France
1	Q132716	Pope Leo XI	1535	1605	Republic of Florence	Italy
1	Q1337469	William Howard, 1st Baron Howard of Effingham	1510	1573	England	England
1	Q1349577	Hendrick van Brederode	1531	1568	Netherlands	Belgium
1	Q1482453	Johannes Corputius	1542	1611	Brabant	Netherlands
1	Q14850986	Frederic Perrenot de Granvelle	1536	1602	Habsburg Spain	Spain
1	Q18756987	Nicholas Parker (MP)	1547	1619	England	England
1	Q16863483	Thomas Perrot	1553	1594	England	Wales
1	Q2157659	Robert II de la Marck	1468	1536	Principality of Sedan	France
1	Q18577139	Walter Morgan	1550	1604	England	Wales
1	Q187173	Thomas Wyatt the Younger	1521	1554	England	England
1	Q2782542	Jan van Hembyze	1513	1584	County of Flanders	Belgium
1	Q190944	Jean Bodin	1530	1596	France	France
1	Q1972806	Rowland York	1528	1588	England	France
1	Q2001400	Jerome Tseraerts	1540	1573	Netherlands	Belgium
1	Q2011824	Antoine de Lalaing, 3rd Count of Hoogstraeten	1533	1568	County of Hainaut	Belgium
1	Q204975	Gaspard II de Coligny	1519	1572	France	France
1	Q206512	Thomas Wolsey	1473	1530	United Kingdom	England
1	Q16493244	Francisco Arias de Bobadilla	1541	1610	Spain	Spain

1	Q7207	Elizabeth I of England	1533	1603	United Kingdom	England
1	Q580292	Francois de Montmorency	1530	1579		France
1	Q654855	Rene of Chalon	1519	1544		Netherlands
1	Q6762644	Marie-Christine de Lalaing	1545	1582	County of Hainaut	France
1	Q678012	Armand de Gontaut, baron de Biron	1524	1592	France	France
1	Q693603	Ferrante Gonzaga	1507	1557	Italy	Italy
1	Q698954	Herman van den Bergh	1558	1611	Netherlands	Netherlands
1	Q699200	Joost de Soete	1541	1589	Netherlands	Belgium
1	Q7026434	Nicholas Wotton	1497	1567	England	England
1	Q70963	Gebhard Truchsess von Waldburg	1547	1601	Germany	Germany
1	Q3380993	Philip of Noircarmes	1530	1574	Habsburg Netherlands	France
1	Q71444	Ernest Casimir I, Count of Nassau-Dietz	1573	1632	House of Orange-Nassau	Germany
1	Q544873	Ranuccio I Farnese, Duke of Parma	1569	1622	Italy	Italy
1	Q7794673	Thomas Vavasour (knight marshal)	1560	1620	England	England
1	Q7999573	Wigbolt Ripperda	1535	1573	Netherlands	Netherlands
1	Q8004988	William Balfour (general)	1570	1660	Netherlands	Scotland
1	Q8008399	William Edmonds (colonel)	1548	1606	Scotland	Scotland
1	Q832225	Charles II, Duke of Guelders	1467	1538	Netherlands	Netherlands
1	Q90988	Simon VI, Count of Lippe	1554	1613		Germany
1	Q936744	Louis of Praet	1488	1555	Netherlands	Belgium
1	Q936976	Henry IV of France	1553	1610	France	France
1	Q95414	Louis Gunther of Nassau	1575	1604	House of Orange-Nassau	Germany
1	Q71441	Henry of Nassau-Dillenburg	1550	1574	House of Orange-Nassau	Germany
1	Q3459641	Peregrine Bertie, 13th Baron Willoughby de Eresby	1555	1601	England	Germany
1	Q2832891	Berthold Entens	1539	1580	Habsburg Netherlands	Netherlands
1	Q2941097	Magdalena Moons	1541	1613	Netherlands	Netherlands
1	Q2976180	Edward Cecil, 1st Viscount Wimbledon	1572	1638	England	England
1	Q2978323	Claude de Berlaymont	1550	1587		Belgium
1	Q322566	Philip of Nassau	1566	1595	House of Orange-Nassau	Germany
1	Q32500	Charles V, Holy Roman Emperor	1500	1558	Holy Roman Empire	Belgium
1	Q325530	Petrus Dathenus	1531	1588	Netherlands	France
1	Q3295697	Martin du Bellay	1495	1559	France	France
1	Q107020528	Alexander Murray of Drumdewan	1560	1599	Scotland	Scotland
1	Q5720392	Henry Docwra, 1st Baron Docwra of Culmore	1564	1631	England	England
1	Q95415	Adolf van Nieuwenaar	1545	1589	Germany	Germany
1	Q554600	Francis I, Duke of Nevers	1516	1561	France	France
1	Q350010	Hendrik van den Bergh (count)	1573	1638	Netherlands	Netherlands
1	Q352952	George de Lalaing, Count of Rennenberg	1536	1581	County of Hainaut	Belgium
1	Q378933	Juan de la Cerda, 4th Duke of Medinaceli	1514	1575	Spain	Spain
1	Q38370	Henry VIII of England	1491	1547	United Kingdom	England
1	Q436452	Lenaert Jansz de Graeff	1530	1578	Netherlands	Netherlands
1	Q447200	Humphrey Gilbert	1539	1583	England	England

1	Q451178	Antoine Perrenot de Granvelle	1517	1586	Spain	France
1	Q5112061	Christopher Carleill	1551	1593	England	England
1	Q537169	Balthasar Gerard	1557	1584	Spain	France
1	Q2803423	Thomas Thirlby	1500	1570	England	England
1	Q342720	George Chapman	1559	1634	United Kingdom	England

Then I can list all the events that **Maurice, Prince of Orange Q164062** had some involvement in and his age at the time of the event.

Country	KML_Name_Export	loc	age
Netherlands	Anglo Spanish-Battle Capture and Massacre of Axel - War[1586] Month[7] Day[17]	Lat/Long(51.2668789,3.9094234)	19
Netherlands	Anglo Spanish-Siege of Bergen op Zoom - War[1588]	Lat/Long(51.4924384,4.2881922)	21
Netherlands	Anglo Spanish-Battle and Capture of Breda - War[1590] Month[3] Day[4]	Lat/Long(51.566667,4.8)	23
Netherlands	Anglo Spanish-Siege Surrender and Capture of Zutphen - War[1591] Month[5]	Lat/Long(52.1397571,6.1953433)	24
Netherlands	Anglo Spanish-Siege of Knodsenburg - War[1591] Month[7]	Lat/Long(51.8549,5.8641)	24
Netherlands	Anglo Spanish-Siege Surrender and Capture of Deventer - War[1591] Month[6]	Lat/Long(52.25,6.15)	24
Netherlands	Anglo Spanish-Siege Surrender and Capture of Nijmegen - War[1591] Month[10]	Lat/Long(51.8423066,5.8463746)	24
Belgium	Anglo Spanish-Siege Surrender and Capture of Hulst - War[1591] Month[9]	Lat/Long(51.2806907,4.0548869)	24
Germany	Anglo Spanish-Siege and Capture of Delfzijl - War[1591] Month[6]	Lat/Long(53.3289771,6.9134734)	24
Germany	Anglo Spanish-Siege Surrender and Capture of Coevorden - War[1592] Month[8]	Lat/Long(52.6613567,6.7410616)	25
Netherlands	Eighty Years War-Siege Surrender and Capture of Steenwijk - War[1592] Month[6]	Lat/Long(52.7918769,6.1029519)	25
Netherlands	Anglo States General of the Netherlands Spanish-Siege Naval Blockade Surrender and Capture of Geertruidenberg - War[1593]	Lat/Long(51.700833,4.860278)	26
Germany	Anglo Spanish-Siege of Coevorden - War[1593]	Lat/Long(52.6614554,6.7368498)	26
Netherlands	Anglo Spanish-Siege Surrender and Capture of Groningen - War[1594]	Lat/Long(53.2152026,6.5624449)	27
Netherlands	Anglo Spanish-Siege of Groenlo - War[1595] Month[7]	Lat/Long(52.0404979,6.6020855)	28
Netherlands	Eighty Years War-Cavalry Battle of the Lippe - War[1595] Month[9] Day[3]	Lat/Long(51.6578448,6.6769059)	28
Belgium	Anglo Spanish-Siege Surrender and Capture of Hulst - War[1596]	Lat/Long(51.2745699,4.051797)	29

Netherlands	Dutch Anglo Spanish-Siege Surrender and Capture of Enschede - War[1597] Month[10]	Lat/Long(52.2193288,6.896666)	30
Netherlands	Dutch Anglo Spanish-Siege Battle Sacking Accidental Burning of Bredevoort - War[1597] Month[10]	Lat/Long(51.9438882,6.6209232)	30
Netherlands	Dutch Anglo Spanish-Siege Battle and Capture of Groenlo - War[1597] Month[9]	Lat/Long(52.05,6.616669)	30
Germany	Dutch Anglo Spanish-Siege Surrender and Capture of Meurs - War[1597] Month[9]	Lat/Long(51.45111,6.6283682)	30
Netherlands	Dutch Anglo Spanish-Siege Surrender and Capture of Oldenzaal - War[1597] Month[10]	Lat/Long(52.3123461,6.9289475)	30
Belgium	Dutch Anglo Spanish-Battle of Turnhout - War[1597] Month[1] Day[24]	Lat/Long(51.3207927,4.9427076)	30
Germany	Dutch Anglo Spanish-Siege Surrender and Capture of Lingen - War[1597] Month[11]	Lat/Long(52.523331,7.317219)	30
Germany	Dutch Anglo Spanish-Siege Surrender and Capture of Rheinberg - War[1597] Month[8]	Lat/Long(51.5447988,6.5916263)	30
Netherlands	Anglo Spanish-Siege and Defence of Zaltbommel - War[1599]	Lat/Long(51.8121743,5.2467509)	32
Netherlands	Anglo Spanish-Siege and Defence of Rees - War[1599] Month[9]	Lat/Long(51.7670727,6.4001332)	32
Germany	Anglo Spanish-Siege and Defence of Schenckenschans - War[1599] Month[4]	Lat/Long(51.8362538,6.1102184)	32
Belgium	Dutch Republic Habsburg Netherlands-Battle of Nieuwpoort - War[1600] Month[7] Day[2]	Lat/Long(51.1270291,2.7523294)	33

https://en.wikipedia.org/wiki/Cluster_analysis Peter Turchin has examined History in data
<https://peterturchin.com/> <https://seshat-db.com/>

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Dan Dennett's Free Will

https://en.wikipedia.org/wiki/Daniel_Dennett While he was a confirmed compatibilist on free will, in "On Giving Libertarians What They Say They Want"—chapter 15 of his 1978 book *Brainstorms*[35]—Dennett articulated the case for a **two-stage model of decision making** in contrast to libertarian views.

The model of decision making I am proposing has the following feature: when we are faced with an important decision, a consideration-generator whose output is to some degree undetermined, produces a series of considerations, some of which may of course be immediately rejected as irrelevant by the agent (consciously or unconsciously). Those considerations that are selected by the

agent as having a more than negligible bearing on the decision then figure in a reasoning process, and if the agent is in the main reasonable, those considerations ultimately serve as predictors and explicators of the agent's final decision.[36]

While other philosophers have developed two-stage models, including William James, Henri Poincaré, Arthur Compton, and Henry Margenau, Dennett defended this model for the following reasons:

First ... The intelligent selection, rejection, and weighing of the considerations that do occur to the subject is a matter of intelligence making the difference.

Second, I think it installs indeterminism in the right place for the libertarian, if there is a right place at all.

Third ... from the point of view of biological engineering, it is just more efficient and in the end more rational that decision making should occur in this way.

A fourth observation in favor of the model is that it permits moral education to make a difference, without making all of the difference.

Fifth—and I think this is perhaps the most important thing to be said in favor of this model—it provides some account of our important intuition that we are the authors of our moral decisions.

Finally, the model I propose points to the multiplicity of decisions that encircle our moral decisions and suggests that in many cases our ultimate decision as to which way to act is less important phenomenologically as a contributor to our sense of free will than the prior decisions affecting our deliberation process itself: the decision, for instance, not to consider any further, to terminate deliberation; or the decision to ignore certain lines of inquiry.

These prior and subsidiary decisions contribute, I think, to our sense of ourselves as responsible free agents, roughly in the following way: I am faced with an important decision to make, and after a certain amount of deliberation, I say to myself: "That's enough. I've considered this matter enough and now I'm going to act," in the full knowledge that I could have considered further, in the full knowledge that the eventualities may prove that I decided in error, but with the acceptance of responsibility in any case

Recent Investigations

My databases and maps.

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3. **Internet Archive** - Internet Archive Founder, Brewster Kahle - <https://archive.org/>
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mediocre' and deprived individuals of personal initiative.[3] A running theme in the book was Minogue's distaste for the '**melodrama of oppressors and victims**' that he saw as constituting liberal historiography. <https://collections.st-andrews.ac.uk/collection/papers-of-kenneth-minoque/2074385>

36. https://en.wikipedia.org/wiki/Adriaan_Metius

37. Rene Descartes Discourse on the Method <https://www.gutenberg.org/cache/epub/59/pg59-images.html> In the same way I thought that the sciences contained in books (such of them at least as are made up of probable reasonings, without demonstrations), composed as they are of the opinions of many different individuals massed together, are farther removed from truth than the simple inferences which a man of good sense using his natural and unprejudiced judgment draws respecting the matters of his experience. And because **we have all to pass through a state of infancy to manhood**, and have been of necessity, for a length of time, **governed by our desires and preceptors** (whose dictates were frequently conflicting, while neither perhaps always counseled us for the best), I farther concluded that it is almost impossible that our judgments can be so correct or solid as they would have been, had our reason been mature from the moment of our birth, and had we always been guided by it alone. It is true, however, that it is not customary to pull down all the houses of a town with the single design of rebuilding them differently, and thereby rendering the streets more handsome; but it often happens that a private individual takes down his own with the view of erecting it anew, and that people are even sometimes constrained to this when their houses are in danger of falling from age, or when the foundations are insecure. With this before me by way of example, I was persuaded that it would indeed be **preposterous for a private individual to think of reforming a state by fundamentally changing it throughout**, and overturning it in order to set it up amended; and the same I thought was true of any similar project for reforming the body of the sciences, or the order of teaching them established in the schools: but as for the opinions which up to that time I had embraced, I thought that I could not do better than resolve at once to sweep them wholly away, that I might afterwards be in a position to admit either others more correct, or even perhaps the same when they had undergone the scrutiny of reason. I firmly believed that in this way I should much better succeed in the **conduct of my life**, than if I built only upon old foundations, and leaned upon principles **which, in my youth, I had taken upon trust**. For although I recognized various difficulties in this undertaking, these were not, however, without remedy, nor once to be compared with such as attend the slightest reformation in public affairs. **Large bodies, if once overthrown, are with great difficulty set up again**, or even kept erect when once seriously shaken, and the **fall of such is always disastrous**. Then if there are any imperfections in the constitutions of states (and that many such exist the diversity of constitutions is alone sufficient to assure us), custom has without doubt materially smoothed their inconveniences, and has even managed to steer altogether clear of, or insensibly corrected a number which sagacity could not have provided against with equal effect; and, in fine, the defects are almost always more tolerable than the change necessary for their removal; in the same manner that highways which wind among mountains, by being much frequented, become gradually so smooth and commodious, that it is much better to follow them than to seek a straighter path by climbing over the tops of rocks and descending to the bottoms of precipices. Hence it is that I cannot in any degree approve of those **restless and busy meddlers** who, called neither by birth nor fortune to take part in the management of

public affairs, are yet always projecting reforms; and if I thought that this tract contained aught which might justify the suspicion that I was a victim of such folly, I would by no means permit its publication. I have never contemplated anything higher than the **reformation of my own opinions, and basing them on a foundation wholly my own**. And although my own satisfaction with my work has led me to present here a draft of it, I do not by any means therefore recommend to every one else to make a similar attempt. Those whom God has endowed with a larger measure of genius will entertain, perhaps, designs still more exalted; but for the many I am much afraid lest even the present undertaking be more than they can safely venture to imitate. **The single design to strip one's self of all past beliefs is one that ought not to be taken by every one**. The majority of men is composed of two classes, for neither of which would this be at all a befitting resolution: in the first place, of those who with more than a due confidence in their own powers, are precipitate in their judgments and want the patience requisite for orderly and circumspect thinking; whence it happens, that if men of this class once take the liberty to doubt of their accustomed opinions, and quit the beaten highway, they will never be able to thread the byway that would lead them by a shorter course, and will lose themselves and continue to wander for life; in the second place, of those who, possessed of sufficient sense or modesty to determine that there **are others who excel them in the power of discriminating between truth and error**, and by whom they may be instructed, ought rather to content themselves with the opinions of such than trust for more correct to their own reason. or my own part, I should doubtless have belonged to the latter class, had I received instruction from but one master, or had I never known the diversities of opinion that from time immemorial have prevailed among men of the greatest learning. But I had become aware, even so early as during my college life, that no opinion, however absurd and incredible, can be imagined, which has not been maintained by some one of the philosophers; and afterwards in the course of my travels I remarked that all those whose opinions are decidedly repugnant to ours are not in that account barbarians and savages, but on the contrary that many of these nations make an equally good, if not better, use of their reason than we do. I took into account also the very different character which a person brought up from infancy in France or Germany exhibits, from that which, with the same mind originally, this individual would have possessed had he lived always among the Chinese or with savages, and the circumstance that in dress itself the fashion which pleased us ten years ago, and which may again, perhaps, be received into favor before ten years have gone, appears to us at this moment extravagant and ridiculous. I was thus led to infer that **the ground of our opinions is far more custom and example than any certain knowledge**. And, finally, although such be the ground of our opinions, I remarked that a **plurality of suffrages is no guarantee of truth where it is at all of difficult discovery**, as in such cases it is much more likely that it will be found by one than by many. I could, however, select from the crowd no one whose opinions seemed worthy of preference, and thus I found myself constrained, as it were, to use my own reason in the conduct of my life. But like one walking alone and in the dark, I resolved to proceed so slowly and with such circumspection, that if I did not advance far, I would at least guard against falling. I did not even choose to dismiss summarily any of the opinions that had crept into my belief without having been introduced by reason, but first of all **took sufficient time carefully to satisfy myself of the general nature of the task I was setting myself, and ascertain the true method by which to arrive at the knowledge of whatever lay within the compass of my powers**.