

ANNOTATION PROTOCOL

A claim or a question is **scientifically verifiable** if it's scientifically shown to be TRUE or scientifically shown to be FALSE.

Hints:

A text might contain **more than a single claim or question**. In that case, the text is considered **scientifically verifiable if AT LEAST ONE of the claims or questions is scientifically verifiable**.

Examples:

- "Fauci says covid comes from France"
- Claim 1: Fauci says X -> NOT scientifically verifiable
- Claim 2: Covid comes from France -> scientifically verifiable
- "Vaccines were made too fast and God disapproves vaccines"
- Claim 1: Vaccines were made too fast -> scientifically verifiable
- Claim 2: God disapproves vaccines -> NOT scientifically verifiable

A claim or question COULD be scientifically verified, IF:

- 1) It has probably been scientifically verified and could be found in documents created by scientists, ranging from scientific papers to official statistics from the government or from a research center, that might not have been published as a scientific paper
- 2) It could in theory be scientifically verified

A claim or question COULD be scientifically verified, EVEN THOUGH:

- 1) It seems hard to scientifically verify
- 2) It seems absurd
- 3) It is funny/ ironic and isn't intended to be taken seriously (if the text belongs to this category, answer Yes in the Ironic Text label)
- 4) It is not written with proper grammar/ syntax

A claim or question could NOT be scientifically verified, IF:

- 1) It is about an individual or the belongings of an individual (e.g indicated with a possessive 's ("Trump's family ...") or a possessive pronoun ("My family ..."))
- 2) It is about an individual's opinion or feelings
- 3) It is based on experience and is therefore not reproducible

EXAMPLES SHEET

Scientifically Verifiable		Not Scientifically Verifiable	
Subgroup	Text	Subgroup	Text
1) A scientifically verifiable claim or question that can be found in documents created by scientists	"Cholera makes you infertile" (verification could be found in scientific papers)	1) A claim or question that cannot be found in documents created by scientists	"After Poland's strict in-vitro fertilization laws, single women are losing access to their frozen embryos" (verification can be found in a law document, which isn't created by scientists)
	"Ghana has seen a significant increase of cholera cases in 2015" (verification can be found in official statistics created by WHO scientists)		1) "Obama has a higher IQ than the average US citizen."
	"Biden says vaccines are safe for children" (only taking into account the second claim "vaccines are safe", verification can be found in scientific papers)	2) A claim or question that is about an individual or an individual's belonging	2) "Bill Gates inserts microchips into children with vaccines"
2) A claim or question that could in theory be scientifically verified	"Inflation will have a huge impact on the economic stability of future generations"	3) A claim or question that is experiential and not reproducible	"The flight attendant yelled at the passengers."
3) A scientifically verifiable claim or question that is hard to verify	"Anyone can raise his standard of living if he's willing to work at it"		
4) A scientifically verifiable claim or question that is absurd/ funny/ ironic	"Laughter increase life expectancy if you have live in France"		
5) A scientifically verifiable claim or question that is written without proper grammar/ syntax	"Maxwell - parp inhibitor side effects - nausea, diarrhea and fatigue"		