My ation divernit dem pridicate itself but the relation between Subject & predicate.

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-> standardize the rules of natural language

Syllogism = A type of logical argument that uses multiple propositions to arrive at a conclusion/inference.

or infer

A typical syllogism is the one in which a conclusion is drawn from two premises.

For our sake, syllogism is a form of deductive reasoning in which conclusion/inference is deduced on the basis of two premises.

P1 = All trumans are mammals
P2 = All mammals are organisms
Con = Therefore, all humans are organisms

There are various types of syllogisms:

Terminology = There are names of these terms

Describing propositions through terms:

One of the premises is called the Major Premise. It contains the major term and the middle term.

The other premise is called the Minor Premise. It contains the minor term and the middle term.

The inference is called the Conclusion. Its subject is minor term and predicate is major term.

Describing the terms through propositions:

Major Term = Appears in major premise

Minor Term = Appears in minor premise

Middle term = (i) Appears in both the premises (ii) but does not appear in conclusion

	We are dealing with categorical sylogisms
	J Jylog ismo
	, ,
	(1) premises & Conclusion ore
	(1) premises & Conclusion ore Categorical propositions
	12 Salar OF
2	3 producate = Three - 2 premises & I conclusion
	(4) There coteposical terms) earlappeary
	(ii) There categorical terms) eathappearing twice in syllogism
	Clike transhirity
	Clike transitivity) bytit may noverchally be transitive
	be transitive

Mul mammals au organisms?
All mammals are organisms? transitivity
All humans one mamonals
· Del humans are organisms
(1) In premises, we connect the major and munor terms with a common middle term
What we are trying to do is that:
(i) In premises, we connect the major and minor terms with a common middle term.
(ii) In conclusion we discard the middle term and show a relationship between a major and minor term. Conclusion = Minor Major
If a certain portion of A is related to certain portion of B, and certain portion of C is related to certain portion of B, can we say that certain portion of A is related to certain portion of C?
If A-B and C-B, then A-C?
Tip: It is handy to identify the conclusion first. Its subject helps to identify the minor premise and predicate helps to identify the major premise.

In conclusion we discord the middle term and show a
relationship between major and minor term.
<u> </u>
Conclusion = Minon Mayon
· · · · · · · · · · · · · · · · · · ·
There are 4 types of categorical propositions:
There are 4 types of categorical propositions: A, E, I,O
There are four types of categorical propositions: A, E, I and O-types.
Categorical syllogisms contain three propositions (2 premises, 1 conclusion).
How many unique types of categorical syllogisms are possible?
ANSWER.
4 * 4 * 4
4 * 4 * 4 = 64
e.g. AAA, AAE, AAI, AAO, etc.
The shade of your syllogion due to the type of propositions
on called moods of syllopisms
Mood = Classification of categorical syllogism according to the form of categorical propositions it contains.
No heroes on coword Some soldiers are cowords Fundicate)
Same soldiers are coneards I pudicate)
There fore some soldiers ou not heroes O (no herdon

In premises, we connect the major and minor terms with a common middle term

Another way to classify categorical syllogisms is figure.	
Figure is the form of a syllogism determined by the position of the middle term in the premises.	
There are 4 types of Syllopisms depending on where	
There are 4 types of Syllogisms depending on where it occurs in the major and minor freme'ses	
(1) first figure = Subject of major fremise, and be predicate of minor premise	
Losic Skeleton of categorical sylogism will look like	<u> </u>
2007)	
Subject of Conclusion = Minor Term = S	
Pudicate of Conclusion - Major tems	
Middle Ten = M	
(1) Major Premise: M-P M-P S-M	
Minor Premise S-M S-M	
\	
Conclusion: 1.5-P	
(2) Second fire a Parchierte al besta	
(2) Second figure - fredicate of both	
P-M s-M	
3-14	
.'. S-P	
(3) Third figure & Subject of both	
υ τ γ	

M-P
M-S
:S-P
0 1
Pudicate afmajor P-M Subject of minon M-S
This of a ninon
1,8-P
-10-1
7.1 - 1.0 - 1.0 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 - 1.1 -
Why worry allow mood & Fgue!
Why worry about mood & Figure?!. Syllopisms with the same mood and figure also have the same validity.
the same validity.
All boysone malo Mid-fred
All boys one humans Mid-Subj
Therefore all humans are males to Seloj-Pred
[M = boys; S=humans; P=males]
Form AAA ? Figure 3 invalid
11 Holaid
Some can MA-3 are to a realist
some can AAA-3 arguments are involid!
111 -3
AAA-3

Natural language arguments may not always be in syllogistic form. But they can be broken down into syllogistic forms. 1. Identify the conclusion first. 2. Subject of the conclusion is minor term. Predicate of conclusion is the major term. 3. Premise containing the major term is the Major Premise. The other term is middle term. 4. Premise containing the minor term is the Minor Premise. The other term is middle term. 6. Identify the figure. 1 = MP SM; 2 = PM SM; 3 = MP MS; 4 = PM MS Man is mortal Wholever is man is not a Twoman woman is not mortal froblem? Rule 1. Avoid four terms Tracid 4 terms Categorical syllogisms contain only three terms: Subject (minor), predicate (major) and middle term. There should not be any more or less terms. The meaning of the terms should not change. If the meaning changes, then more than three terms have been introduced. The fallacy of four terms = Fallacy committed when more than three terms are involved. grementer there On 2 next class