

EXAMPLES

This part of the survey contains a few examples to give you an idea of how the super pattern can look for the claims expressed as AIDA sentences. Pay attention to the way the classes are chosen and also the qualifiers and relations as this might help you in filling in the next parts of the survey.

CLAIM 1

AIDA: **Obesity when accompanied by metabolic abnormality is closely associated with knee osteoarthritis.**

Super pattern:	In the context of all things of type	person
	...things of type	obesity with metabolic abnormality
	...qualifier	generally: "in at least 90% of cases"
	...have a relation of type	co-occurs with: "[subj] is close to [obj] in terms of space and time"
	...to things of type	knee osteoarthritis

CLAIM 2

AIDA: **Tomicus piniperda can survive entirely on lodgepole pine.**

Super pattern:	In the context of all things of type	tomicus piniperda
	...things of type	lodgepole pine
	...qualifier	generally: "in at least 90% of cases"
	...have a relation of type	is necessary and sufficient for: "[subj] causes the existence of [obj], and [obj] would not exist if [subj] did not exist"
	...to things of type	survival

CLAIM 3

AIDA:	Viable quaternion based complementary observers that are designed for rigid body attitude estimation are promising for human motion applications such as ambulatory monitoring.		
Super pattern:	In the context of all things of type	NONE	
	...things of type	viable quaternion based complementary observers for rigid body attitude estimation	
	...qualifier	generally: "in at least 90% of cases"	
	...have a relation of type	contributes to: "[subj] contributes to the activity of [obj] in sense of positively affecting its intensity or frequency"	
	...to things of type	human motion applications	
CLAIM 4			
AIDA:	The use of ultrasound irradiation in biodiesel transesterification reactions does not require any additional heating		
Super pattern:	In the context of all things of type	biodiesel transesterification reactions	
	...things of type	use of ultrasound irradiation	
	...qualifier	generally not: "in at most 10% of cases"	
	...have a relation of type	requires: "[subj] would not exist if [obj] did not exist"	
	...to things of type	additional heating as catalyst for chemical reaction	
CLAIM 5			
AIDA:	A new series of chitosan based polyurethane elastomers (PUEs) using aromatic diisocyanate poly(ε caprolactone) (PCL) can be synthesized.		
	In the context of all things of type	NONE	
	...things of type	new series of chitosan based polyurethane elastomers using PCL	

Super pattern:	...qualifier	generally: "in at least 90% of cases"
	...have a relation of type	is same as: "[subj] and [obj] are the same individual"
	...to things of type	synthesizable material

CLAIM 6

AIDA: Treatment of acute anterior circulation cerebral infarction with Shuxuetong and Butylphthalide is more efficacious than treatment with Shuxuetong alone.

Super pattern:	In the context of all things of type	acute anterior circulation cerebral infarction
	...things of type	efficacy treatment with shuxuetong and butylphthalide
	...qualifier	generally: "in at least 90% of cases"
	...have a relation of type	has larger value than: "[quantifiable subj] has a larger value than [quantifiable obj]"
	...to things of type	efficacy treatment with shuxuetong

CLAIM 7

AIDA: Hyperbaric oxygen therapy combined with intravenous edaravone administration is effective for the treatment of patients with acute embolic stroke in the anterior cerebral circulation.

Super pattern:	In the context of all things of type	patients with acute embolic stroke in anterior cerebral circulation
	...things of type	treatment with hyperbaric oxygen therapy and with intravenous edaravone administration
	...qualifier	generally: "in at least 90% of cases"
	...have a relation of type	is same as: "[subj] and [obj] are the same individual"
	...to things of type	effective treatment

CLAIM 8			
AIDA:		Very deep neural networks that use training that explicitly reformulate the layers as learning residual functions with reference to the layer inputs instead of learning unreferenced functions are easier to optimize.	
Super pattern:	In the context of all things of type	very deep neural networks	
	...things of type	performance of training with explicit reformulation of layers with learning residual functions with reference to input layers	
	...qualifier	generally: "in at least 90% of cases"	
	...have a relation of type	has larger value than: "[quantifiable subj] has a larger value than [quantifiable obj]"	
	...to things of type	performance of training with learning unreferenced functions	
CLAIM 9			
AIDA:		Tetrahydrocannabinol (THC) shows a non linear sigmoidal dose response relationship in terms of congenital toxicity	
Super pattern:	In the context of all things of type	NONE	
	...things of type	dose response relationship hasResponseType congenital toxicity and hasDoseType tetrahydrocannabinol	
	...qualifier	generally: "in at least 90% of cases"	
	...have a relation of type	is same as: "[subj] and [obj] are the same individual"	
	...to things of type	non linear sigmoidal relationship	
CLAIM 10			
AIDA:		A process for the treatment of particulate rich wastewater consisting of an electrolysis filter and a bioelectrochemical system (BES) has desirable features for practical application.	
	In the context of all things of type	NONE	

Super pattern:	...things of type	novel process of electrolysis filter and bioelectrochemical system
	...qualifier	can generally: "can in at least 90% of cases"
	...have a relation of type	contributes to: "[subj] contributes to the activity of [obj] in sense of positively affecting its intensity or frequency"
	...to things of type	treatment of particulate rich wastewater