DLA/CDSIG-Schema-Draft-v0.0.1

DLA/CDSIG

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PROJECT-LEVEL METADATA

Project-level metadata is metadata that describes the project. A project could be a wider organisational unit of studies. For example, there may be different substudies within a project.

		https://github.com/cdsig/CDSIG-Schema/blob/main/project.json				
type	object					
properties						
• name In:	nformative or internal nar	ne of the project				
tyj	pe	string				
• uuid Th	his is a uniqe MD5 hash	generated from the name f	ìeld			
tyj	pe	string				
• funding_sources A	ny funding sources supp	orting the project. If the fu	inding number is available, it should be given			
tyj	pe	array				
ite	ems	type string				
	ninItems	1				
• description Sh	hort narrative description	of the project. This could	include any further information on the project and the context in which it was			
co	ompleted					
	pe	string				
• keywords Ke	ey words describing the	projects.				
tyj	rpe	array				
ite	ems	type	string			
mi	ninItems	3				
#/6	#/definitions/person					
• contributors						
• project_status Sta	tatus of the project (i.e. i	f it is still running)	continues on payt page			

Table 1 – continued from previous page

	type	object	1 1 0				
	properties						
	• period	Time period during whi	ch the project took place				
		type	object				
		properties					
		• start_date_time	Start date-time for the project				
			type	string			
			format	date-time			
		 ongoing 	Indicate if the project is		or completed (false)		
			type	boolean			
		if	properties				
			• ongoing	const	True		
		then	properties				
			stop_date_time	Stop date-time for the project			
				type	string		
				format	date-time		
definitions							
person	type	object					
	properties						
	• name	type	string				
	• role	Role ID according to the	e Contributor Role Ontolog	y (https://www.ebi.ac	c.uk/ols/ontologies/cro)		
		type	string				
		pattern	^((CRO_[0-9]{7}) (CRI	EDIT_[0-9]{8}))\$			
	• email	type	string				
		format	idn-email				
	• orcid	ORCID identifier	·				
		type	string				
		pattern	^[0-9]{4}-[0-9]{4}-[0-9]{4}\$				
	 institution 	type	object				
		properties					
		• name	type	string			
			I	I	continues on poyt page		

Table 1 – continued from previous page

	type	string
• street_address		
	type	string
• city		
	type	string
• country		

STUDY-LEVEL METADATA

Study-level metadata describes any information on a specific study, e.g. a specific data collection effort with multiple participants

https://github.com/cdsig/CDS	SIG-Schema/blob/main/study.jsc	on				
type	object					
properties						
• name	Informative or internal study	name				
	type	string				
• uuid	Unique MD5 hash generated	from the name field				
	type	type string				
• prereg_doi	DOI (Digital Object Identifie	r) of pre-registration docume	ent describing data collection			
	type	string				
 ethics_information 	Name of ethics committee an	d approval number				
	type	string				
 clinical_trial 	Is this a registered clinical tri	al?				
	type	boolean				
 description 	Short narrative description of the study					
	type string					
• sample	Short description of the study	sample.				
	type	string				
sample_groups	Description of the sample gro	oup(s) enrolled or examined i	in the study			
	type	object				
	properties					
	• name Name of group.					
type string						
	 description 	Description of sample gro	roup			

Table 1 – continued from previous page

	Tai	ble 1 – continued from			
	1.1.1	type	string		
	• label	Label of sample grou			
		type	integer		
	• group_size	Group size			
		type	integer		
		minimum	1		
	• inclusion_criteria		Inclusion criteria for sample group, given as an array of strings		
		type	array		
		items	type	string	
		minItems	0		
	exclusion_criteria		sample group, given as an a	array of strings	
		type	array		
		items	type	string	
		minItems	0		
 intervention 	Short description of the stud				
	type	string			
 keywords 	Key words describing the st	study.			
	type	array			
	items	type	string		
	minItems	3			
• contributors	#/definitions/person				
if	properties				
		const	True		
	• clinical_trial				
then	properties	l	I .		
	clinical_trial_id	Clinical trial identifie	er as well as registry		
		type	string		
definitions	ı	1			
• person	type	object			
	properties	- ·			
	• name	type	string		
	• role	Role ID according to	the Contributor Role Ontolo	gy (https://www.ebi.ac.uk/ols/ontologies/cro)	
	I			continues on payt nose	

Table 1 – continued from previous page

		<u>'</u>	
	type	string	
	pattern	^((CRO_[0-9]{7}) (CREDIT_	[0-9]{8}))\$
• email	type	string	
	format	idn-email	
• orcid	ORCID identifier		
	type	string	
	pattern	^[0-9]{4}-[0-9]{4}-[0-9]{4}-[0-9]{4}\$
• institution	type	object	
	properties		
	• name	type	string
	• street_address	type	string
	• city	type	string
	• country	type	string

THREE

DATASET-LEVEL METADATA

Dataset-level metadata is metadata concerning one specific, per-participant dataset

https://github.com/cdsig/CDSIG-Schema/blob/main/dataset.json						
type	object	object				
properties	properties					
• name	Dataset name.					
	type	string				
• uuid	MD5 hash generated from	n the <i>name</i> field				
	type	string				
 description 	Short description of the	lataset.				
	type	string				
 instructions 	Description of the instru	ctions that were given to the	e study participants prior to or during collection of this data set			
	type	object				
	properties					
	• verba-	Verbatim instructions give	ven to participant			
	tim_instruction	type	string			
	 wear_time 	Number of days the parti	cipants were instructed to wear the actigraph. Fractional values are allowed			
		type	number			
		minimum	0			
	#/definitions/person					
 contributors 						
 data_set 	Information about the da					
	type	object				
	properties					

Table 1 – continued from previous page

	• period		ch the data collection was p	performed	
		type	object		
		properties			
		start_date_time	Start date-time for the data collection		
			type	string	
			format	date-time	
		• ongoing	Indicate if the data colle	ection is still ongoing	5
			type	boolean	
		if	properties		
			• ongoing	const	True
		then	properties		I
			stop_date_time	Stop date-time fo	r the data collection
				type	string
				format	date-time
definitions		•			
• person	type	object			
properties	properties				
	• name	type	string		
	• role	Role ID according to the	e Contributor Role Ontolog	y (https://www.ebi.a	c.uk/ols/ontologies/cro)
		type	string		
		pattern	^((CRO_[0-9]{7}) (CREDIT_[0-9]{8}))\$		
	• email	type	string		
		format	idn-email		
	• orcid	ORCID identifier			
		type	string		
		pattern	^[0-9]{4}-[0-9]{4}-[0-9	9]{4}-[0-9]{4}\$	
	 institution 	type	object		
		properties			
		• name	type	string	
					continues on port page

Table 1 – continued from previous page

	type	string
 street_address 		
	type	string
• city		
	type	string
• country		

FOUR

EVENT-LEVEL METADATA (WITHIN DATASET)

Event definition in the context of actigraphy or light data set

https://github.com/cdsig/CDSIG-Sche	ema/blob/main/event.json			
type	object			
properties				
• event_id	The unique identifier for an event			
	type	number		
	multipleOf	1		
	minimum	0		
• event_name	Name of the event			
	type	string		
• start_date_time	Start date-time for an event			
	type	string		
	format	date-time		
• stop_date_time	Stop date-time for an event			
	type	string		
	format	date-time		
• comment	Comment about an event	Comment about an event		
	type	string		

FIVE

PARTICIPANT-LEVEL METADATA

Information about the participant

https://github.com/cdsig/CD	SIG-Schema/blob/main/participant.jsor	I .				
type	object					
properties						
• age	Age of the participant					
	type	string				
• uuid	MD5 hash generated from the <i>name</i> field.					
	type	string				
 internalid 	Internal ID					
	type	string	string			
• sex	Sex					
	type	string	string			
definitions						
• phenotype	type	object	object			
	properties					
	• name	Phenotype				
		type	string			
	• value	Value				
		type	string			
	• required	['name', 'value']	['name', 'value']			

SIX

SPECIFICATION OF ACTIWATCH DEVICE

Information about the actiwatch

https://github.com/cdsig/CDSIG-Schema/blob/mai	n/actiwatch.json		
type	object		
properties			
• manufacturer	Manufacturer of the device		
	type	string	
• uuid	d MD5 hash generated from the <i>name</i> field.		
	type	string	
• model	Model of the device		
	type	string	
• serial_number	Serial number of the device		
	type	string	
sensor_type Measurement device type			
	type	string	

CHAPTER
SEVEN

SPECIFICATION OF LIGHT-SENSING DEVICE

Information about the light sensor used

https://github.com/cdsig/0	CDSIG-Schema/blob/main/lightser	nsor.json				
type	object					
properties						
• manufacturer	Manufacturer of the device					
	type	pe string				
• uuid	MD5 hash generated from the <i>name</i> field.					
	type	string				
 model 	Model of the device					
	type	string				
serial_number	Serial number of the device					
	type	type string				
• sensor_type	Measurement device type					
	type	string				
definitions						
 channel 	type	object				
	properties	properties				
	• name	Name of the channel				
		type string				
	description	_	Description of the channel			
		type	string			
	spectralsensitivity	type	object	object		
		properties				
		• spec-	type	boolean		
		tral_sensitivity_calibration_status				
			_			
		• spec-	type	string		
		tral_sensitivity_cali				
		trai_sensitivity_can	ioration_type			
			type	string		
		• spec-		String		
		tral_sensitivity_cali	ibration_details			
		• required	• required ['spectral_sensitivity_calibration_status']			
		• required	[specual_sensitivit	[spectral_sensitivity_calloration_status]		