Back to our Example Data



The example data

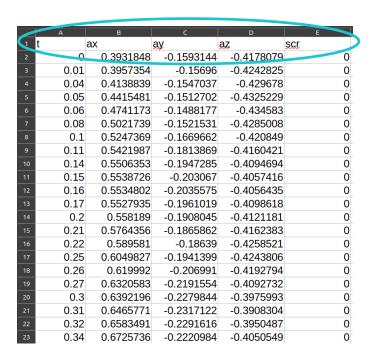


	А	В	С	D	E
1	t	ax	ay	az	scr
2	0	0.3931848	-0.1593144	-0.4178079	0
3	0.01	0.3957354	-0.15696	-0.4242825	0
4	0.04	0.4138839	-0.1547037	-0.429678	0
5	0.05	0.4415481	-0.1512702	-0.4325229	0
6	0.06	0.4741173	-0.1488177	-0.434583	0
7	0.08	0.5021739	-0.1521531	-0.4285008	0
8	0.1	0.5247369	-0.1669662	-0.420849	0
9	0.11	0.5421987	-0.1813869	-0.4160421	0
10	0.14	0.5506353	-0.1947285	-0.4094694	0
11	0.15	0.5538726	-0.203067	-0.4057416	0
12	0.16	0.5534802	-0.2035575	-0.4056435	0
13	0.17	0.5527935	-0.1961019	-0.4098618	0
14	0.2	0.558189	-0.1908045	-0.4121181	0
15	0.21	0.5764356	-0.1865862	-0.4162383	0
16	0.22	0.589581	-0.18639	-0.4258521	0
17	0.25	0.6049827	-0.1941399	-0.4243806	0
18	0.26	0.619992	-0.206991	-0.4192794	0
19	0.27	0.6320583	-0.2191554	-0.4092732	0
20	0.3	0.6392196	-0.2279844	-0.3975993	0
21	0.31	0.6465771	-0.2317122	-0.3908304	0
22	0.32	0.6583491	-0.2291616	-0.3950487	0
23	0.34	0.6725736	-0.2220984	-0.4050549	0

What we know now about all data objects in the collaboration



Meaning of the variables



What we know now about all data objects in the collaboration



Meaning of the variables

Who recorded the data and when it was recorded

"date": "2022-02-28", "creator": [
1
"creatorName": "Bruce Wayne",
"creatorAffiliation": "Institute for
Vigilance and
Nightly Motion -
Justice League"
\
5,1
1
"creatorName": "Selina Kyle",
"creatorAffiliation": "Institute for
Vigilance and
Nightly Motion -
Justice League"

_		,			
	Α .	В	С	D	E
1	t	ax	ay	az	scr
2	Û	0.3931848		-0.4178079	0
3	0.01	0.3957354	-0.15696	-0.4242825	0
4	0.04	0.4138839	-0.1547037	-0.429678	0
5	0.05	0.4415481	-0.1512702	-0.4325229	0
6	0.06	0.4741173	-0.1488177	-0.434583	0
7	0.08	0.5021739	-0.1521531	-0.4285008	0
8	0.1	0.5247369	-0.1669662	-0.420849	0
9	0.11	0.5421987	-0.1813869	-0.4160421	0
10	0.14	0.5506353	-0.1947285	-0.4094694	0
11	0.15	0.5538726	-0.203067	-0.4057416	0
12	0.16	0.5534802	-0.2035575	-0.4056435	0
13	0.17	0.5527935	-0.1961019	-0.4098618	0
14	0.2	0.558189	-0.1908045	-0.4121181	0
15	0.21	0.5764356	-0.1865862	-0.4162383	0
16	0.22	0.589581	-0.18639	-0.4258521	0
17	0.25	0.6049827	-0.1941399	-0.4243806	0
18	0.26	0.619992	-0.206991	-0.4192794	0
19	0.27	0.6320583	-0.2191554	-0.4092732	0
20	0.3	0.6392196	-0.2279844	-0.3975993	0
21	0.31	0.6465771	-0.2317122	-0.3908304	0
22	0.32	0.6583491	-0.2291616	-0.3950487	0
23	0.34	0.6725736	-0.2220984	-0.4050549	0

What we know now about all data objects in the collaboration



Meaning of the variables

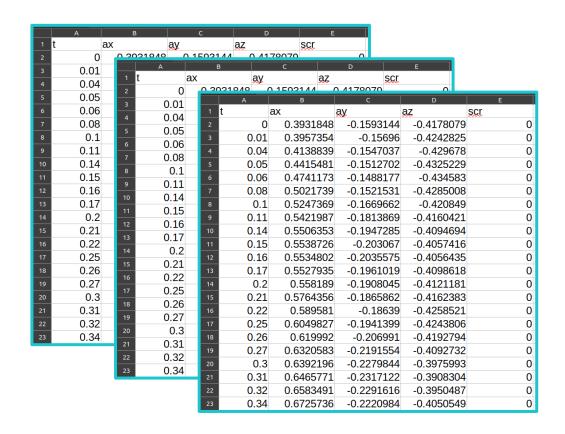
Who recorded the data and when it was recorded

		ř			
1 t	А	ах	C	D	E
2	0		ay -0.1593144	az -0.4178079	<u>scr</u>
3	0.01	0.3957354	-0.15696	-0.4242825	0
4	0.01	0.4138839	-0.1547037	-0.429678	0
5	0.04	0.4415481	-0.1512702	-0.4325229	0
6	0.05	0.4741173	-0.1312702	-0.434583	0
7	0.00	0.5021739	-0.1521531	-0.4285008	0
8	0.00	0.5247369	-0.1669662	000000	0
9	0.11	0.5421987	-0.1813869		0
10	0.14	0.5506353	-0.1947285	0. 1200 122	0
11	0.15	0.5538726	-0.203067	-0.4057416	0
12	0.16	0.5534802	-0.2035575		0
13	0.17	0.5527935	-0.1961019	0. 1000 100	0
14	0.2	0.558189	-0.1908045	-0.4121181	0
15	0.21	0.5764356	-0.1865862	-0.4162383	0
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22	0.32	0.6583491	-0.2291616	-0.3950487	0
23	0.34	0.6725736	-0.2220984	-0.4050549	0

How the data was recorded

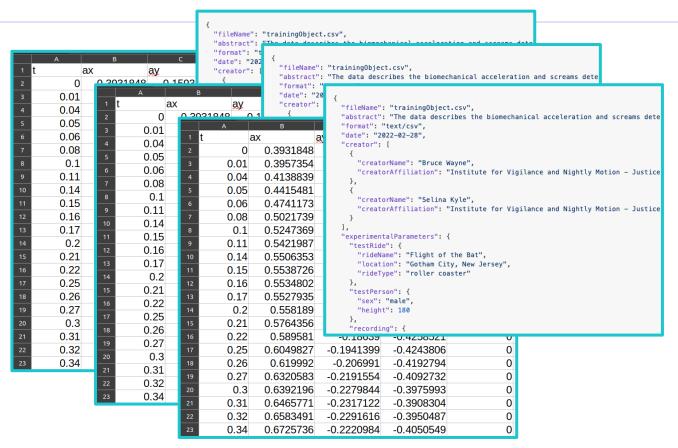
Find information





Find information – Machine readability - Interoperability

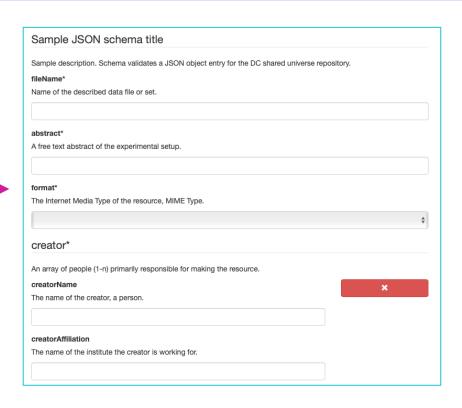




Enforcing metadata records with JSON schema



```
"title": "Sample JSON schema title",
"description": "Sample description. Schema validates a JSON object ent
"type": "object",
"required": [
  "fileName",
  "abstract",
  "format",
  "creator",
  "experimentalConditions",
  "columns"
"properties": {
  "fileName": {
    "description": "Name of the described data file or set.",
    "type": "string",
    "minLength": 1
  "abstract":{
    "description": "A free text abstract of the experimental setup.",
    "type": "string",
    "minLength": 24
    "description": "The Internet Media Type of the resource, MIME Type
    "type": "string",
    "enum": [
      "text/csv",
      "video/mp4",
      "text/markdown",
      "image/png",
      "other"
```



Tools to help you enforce your metadata





DirSchema

DirSchema is a directory structure and metadata linter based on JSON Schema

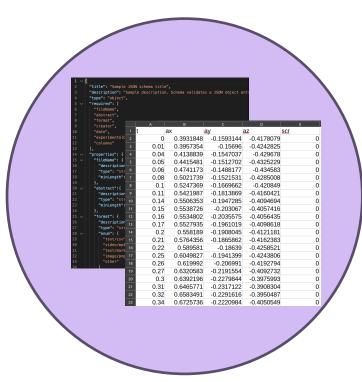


Metador

Metador is a "metadata-aware mailbox" - it helps you to create and share structured metadata alongside your data

But what about other peoples data?

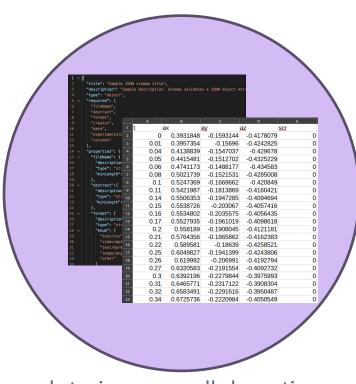




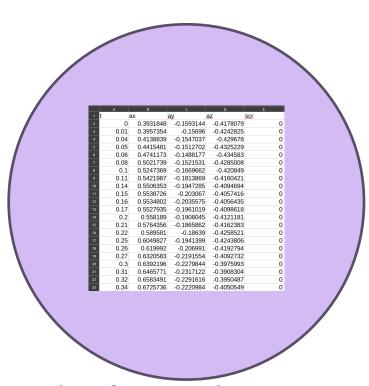
data in your collaboration

But what about other peoples data?





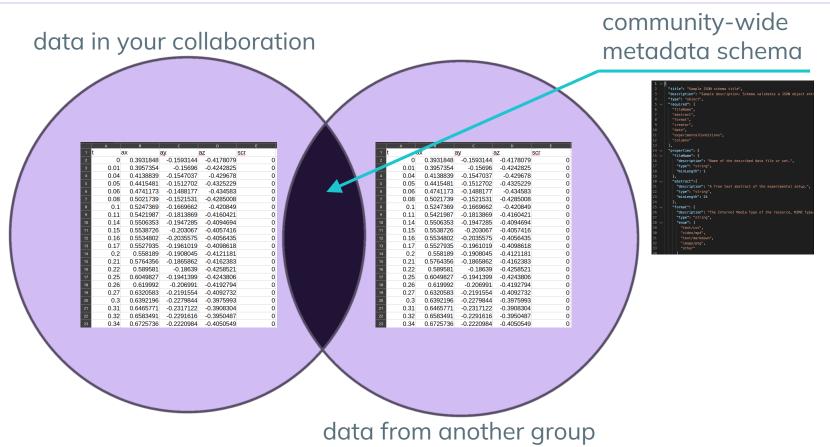
data in your collaboration



data from another group

But what about other peoples data?





DISCLAIMER

This slide deck is part of the Lesson

<u>Fundamentals of Scientific Metadata:</u> <u>Why Context Matters</u>

published on **The Carpentries Incubator**.

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You can find more information about this course on **Github**.



image:

https://c.pxhere.com/photos/35/f5/coffee_notebook_wooden_background_orange_work_table_office-1222115.jpg!d