

METADATA ANNOTATION IN THE SCIENTIFIC CONTEXT



You should start your project with repeating your collaborator's results

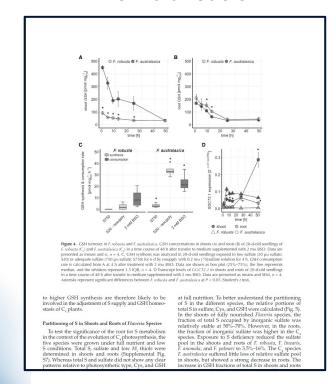




You should start your project with repeating your collaborator's results



The Publication





You should start your project with repeating your collaborator's results



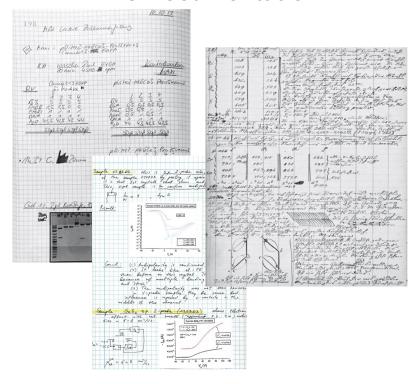
The Data

21.5	21.6	20.8	20.2	20.8	21.0	21.6	20.8	21.2	21.1	
61.3	60.7	44.8	46.2	49.2	49.1	49.3	48.0	40.1	41.3	
18.0	15.8	15.3	14.0	14.4	15.3	15.4	14.6	14.8	14.0	
16.7	16.8	16.3	17.6	18.3	17.6	17.5	18.3	17.9	17.7	
20.2	20.6	20.1	20.0	19.7	19.9	19.6	20.3	20.6	20.0	
22.0	22.0	21.8	23.4	21.7	23.1	23.4	23.5	26.0	24.2	
23.3	23.1	23.7	25.7	27.3	29.4	30.3	29.9	27.5	25.9	
29.3	28.3	28.1	27.6	27.7	31.0	34.6	35.7	36.0	35.7	
24.0	23.3	23.8	24.7	26.1	26.7	27.2	27.3	29.2	28.6	
18.8	19.0	18.5	18.5	19.2	19.3	19.1	18.1	18.5	17.7	
				31.1	32.6	32.6	29.9	29.3	29.1	
25.9	26.0	25.5	24.9	25.0	28.1	29.9	28.5	28.3	28.7	
25.4	25.2	23.3	23.5	24.6	24.6	27.1	27.8	27.4	28.9	
42.2	35.1	34.2	37.9	38.2	40.1	36.2	35.1	32.7	30.9	28.5
35.9	28.7	28.3	29.6	34.0	33.1	32.5	30.8	27.3	29.3	
16.5	15.9	15.5	17.8	17.1	16.8	18.4	19.0	19.0	18.5	
31.4	29.4	28.2	29.6	29.9	31.5	33.5	34.8	31.8	28.2	26.3
19.5	19.7	20.1	20.3	21.2	22.1	23.1	24.0	23.8	22.4	
16.0	15.7	14.9	15.1	15.1	15.7	15.0	15.9	16.5	16.4	
17.8	16.7	20.6	19.1	18.9	19.2	18.5	18.8	19.2	18.3	
39.5	34.4	30.5	27.8	27.8	27.2	26.7	25.8	24.7	23.4	
25.0	25.0	26.0	24.9	25.3	24.4	25.3	27.5	27.5	26.6	
	47.0	44.2	43.0	41.5	40.9	43.2	41.9	40.3	37.4	
17.1	17.1	18.5	17.1	18.3	19.3	19.6	20.4	20.4	19.2	
26.7	21.4	20.6	19.6	20.6	20.6	20.5	19.8	18.4	18.4	
17.1	17.4	17.4	16.9	16.9	17.9	17.2	16.0	17.3	16.8	





The Documentation





The Documentation



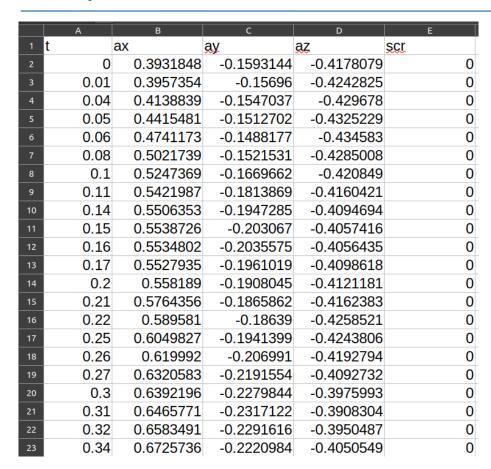
»More than 70 % of researchers have tried and failed to reproduce another scientist's experiments.

More than half have failed to reproduce their own experiments.«

Baker, M. 1,500 scientists lift the lid on reproducibility. *Nature* **533**, 452 – 454 (2016). https://doi.org/10.1038/533452a

Worst practice – no documentation







someRandomFileName.csv



	Α	В	С	D	E
1 t		ax	ay	az	csv 20220228_recordingData.csv
2	0	0.3931848	-0.1593144	-0.4178079	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 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	
12	0.16	0.5534802	-0.2035575	-0.4056435	2022 - 02 - 28
13	0.17	0.5527935	-0.1961019	-0.4098618	Gotham Cty, New Jorsey, USA Flight of the bat
14	0.2	0.558189	-0.1908045	-0.4121181	Flight of the hot
15	0.21	0.5764356	-0.1865862	-0.4162383	
16	0.22	0.589581	-0.18639	-0.4258521	weather wore clouds than sun, 11°C, 74% limity,
17	0.25	0.6049827	-0.1941399	-0.4243806	
18	0.26	0.619992	-0.206991	-0.4192794	1023 mbor, 55W, 17 Kulle
19	0.27	0.6320583	-0.2191554	-0.4092732	
20	0.3	0.6392196	-0.2279844	-0.3975993	recording device strapped to upper arm
21	0.31	0.6465771	-0.2317122	-0.3908304	
22	0.32	0.6583491	-0.2291616	-0.3950487	
23	0.34	0.6725736	-0.2220984	-0.4050549	0

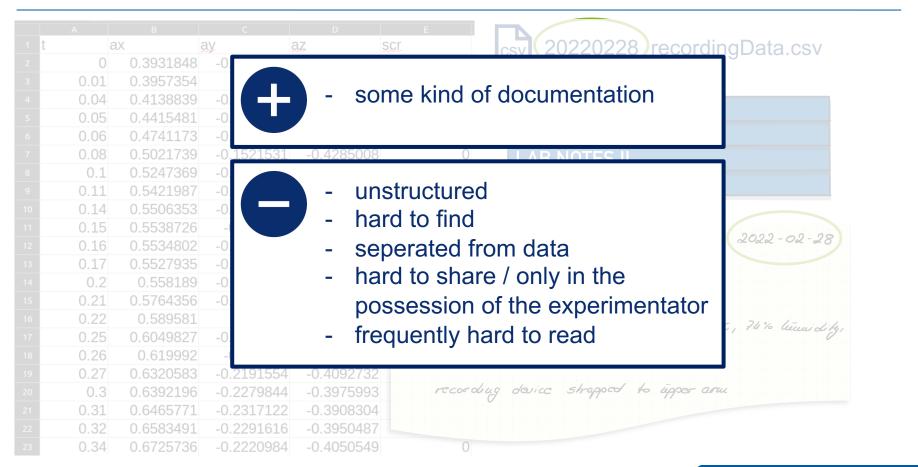


	Α	В	С	D	E
1 t		ax	ay	az	csv 20220228 recording Data.csv
2	0	0.3931848	-0.1593144	-0.4178079	0 0
3	0.01	0.3957354	-0.15696	-0.4242825	5 0
4	0.04	0.4138839	-0.1547037	-0.429678	3 0
5	0.05	0.4415481	-0.1512702	-0.4325229	9 0
6	0.06	0.4741173	-0.1488177	-0.434583	3 0
7	0.08	0.5021739	-0.1521531	-0.4285008	3 0
8	0.1	0.5247369	-0.1669662	-0.420849	9 0
9	0.11	0.5421987	-0.1813869	-0.4160421	L 0
10	0.14	0.5506353	-0.1947285	-0.4094694	1 0
11	0.15	0.5538726	-0.203067	-0.4057416	2022 - 02 - 28
12	0.16	0.5534802	-0.2035575	-0.4056435	
13	0.17	0.5527935	-0.1961019	-0.4098618	Gotham Cty, New Jorsey, USA Flight of the bat
14	0.2	0.558189	-0.1908045	-0.4121181	Flight of the hot
15	0.21	0.5764356	-0.1865862	-0.4162383	B 1994 of 148 sa
16	0.22	0.589581	-0.18639	-0.4258521	weather wore clouds than sun, 11°C, 74% linuidity,
17	0.25	0.6049827	-0.1941399	-0.4243806	
18	0.26	0.619992	-0.206991	-0.4192794	1023 mbor, 55W, 17 Kulle
19	0.27	0.6320583	-0.2191554	-0.4092732	
20	0.3	0.6392196	-0.2279844	-0.3975993	recording device strapped to imper arm
21	0.31	0.6465771	-0.2317122	-0.3908304	
22	0.32	0.6583491	-0.2291616	-0.3950487	7
23	0.34	0.6725736	-0.2220984	-0.4050549	0



	Α	В	С	D	E
1 t	a	X	ay	az	scr
	0	0.3931848	-0.1593144	-0.4178079	scr 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	
12	0.16	0.5534802	-0.2035575	-0.4056435	
13	0.17	0.5527935	-0.1961019	-0.4098618	Gothau Flight of
14	0.2	0.558189	-0.1908045	-0.4121181	Flight of
15	0.21	0.5764356	-0.1865862	-0.4162383	, 9, 2, 9
16	0.22	0.589581	-0.18639	-0.4258521	weather:
17	0.25	0.6049827	-0.1941399	-0.4243806	we will do
18	0.26	0.619992	-0.206991	-0.4192794	
19	0.27	0.6320583	-0.2191554	-0.4092732	
20	0.3	0.6392196	-0.2279844	-0.3975993	recording
21	0.31	0.6465771	-0.2317122	-0.3908304	
22	0.32	0.6583491	-0.2291616	-0.3950487	
23	0.34	0.6725736	-0.2220984	-0.4050549	0





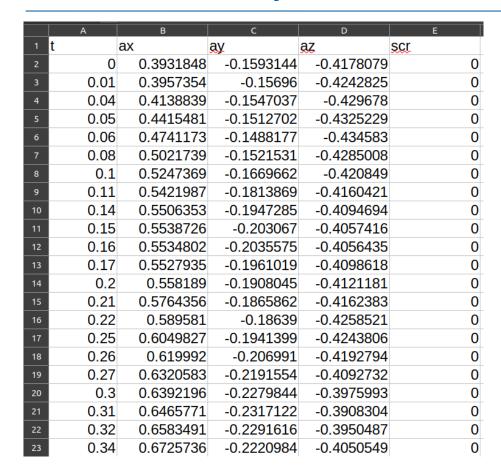


	A	В	С	D	E
1	t	ax	ay	az	scr
2	0	0.3931848	-0.1593144	-0.4178079	0
3	0.01	0.3957354	-0.15696	-0.4242825	0
4	0.04	0.4138839	-0.1547037	-0.429678	0
5	0.05	0.4415481	-0.1512702	-0.4325229	0
6	0.06	0.4741173	-0.1488177	-0.434583	0
7	0.08	0.5021739	-0.1521531	-0.4285008	0
8	0.1	0.5247369	-0.1669662	-0.420849	0
9	0.11	0.5421987	-0.1813869	-0.4160421	0
10	0.14		-0.1947285	-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		-0.1941399	-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
23	0.34	0.6725736	-0.2220984	-0.4050549	0



20220228_recordingData.csv







20220228_recordingData.csv



20220228 recordingData Readme.txt





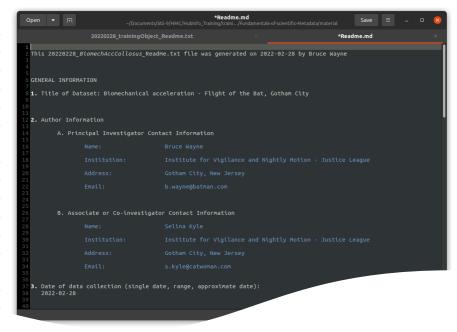
	A	В	С	D	E
1	t	ax	ay	az	scr
2	0	0.3931848	-0.1593144	-0.4178079	0
3	0.01	0.3957354	-0.15696	-0.4242825	0
4	0.04	0.4138839	-0.1547037	-0.429678	0
5	0.05	0.4415481	-0.1512702	-0.4325229	0
6	0.06	0.4741173	-0.1488177	-0.434583	0
7	0.08	0.5021739	-0.1521531	-0.4285008	0
8	0.1	0.5247369	-0.1669662	-0.420849	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



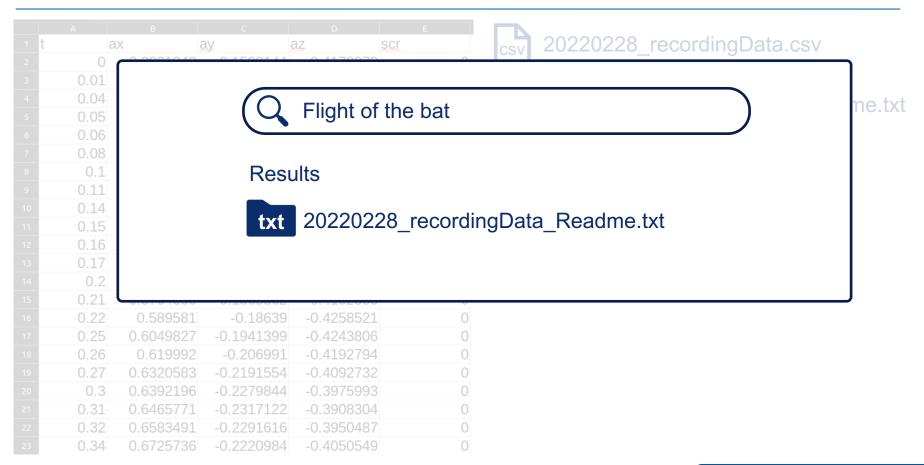
20220228_recordingData.csv



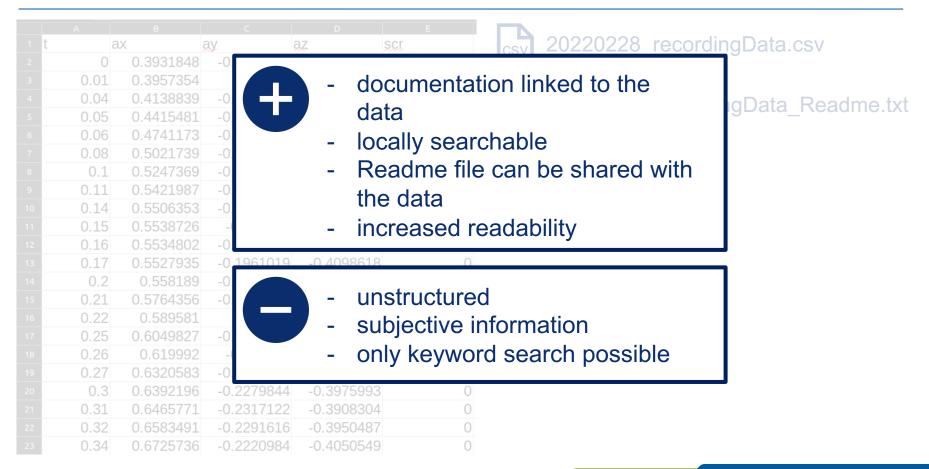
20220228_recordingData_Readme.txt













1 t		ax	ay	az	scr		CSV	20220228 recordingData.csv
	0	0.3931848	-0.1593144	-0.4178079	9	0	1001	
	0.01	0.3957354	-0.15696	-0.4242825	5	0		
	0.04	0.4138839	-0.1547037	-0.429678	3	0	txt	20220228 recordingData Readme.t
	0.05	0.4415481	-0.1512702	-0.4325229	9	0	ιχι	20220220_1ccordingData_rcadinc.
	0.06	0.4741173	-0.1488177	-0.434583	3	0		
	0.08	0.5021739	-0.1521531	-0.4285008	3	0		
	0.1		1000					
	0.11		https://d	ordo oper	ac I	uk/arti	cles/da	ataset/Template for a READ
	0.14			•				•
	0.15	✓ V	IVI⊏_IIIe	_for_data	a_up	ioaus/	13332	743/1
	0.16							
	0.17		l ink in	Episode	J			
	0.2			Ерізо йс	· •			
	0.21	0.5764356	-0.1865862	-0.4162383	3	0		
	0.22	0.589581	-0.18639	-0.4258521	L	0		
	0.25	0.6049827	-0.1941399	-0.4243806	5	0		
	0.26	0.619992	-0.206991	-0.4192794	1	0		
	0.27	0.6320583	-0.2191554	-0.4092732	2	0		
	0.3	0.6392196	-0.2279844	-0.3975993	3	0		
	0.31	0.6465771	-0.2317122	-0.3908304	1	0		
	0.32	0.6583491	-0.2291616	-0.3950487	7	0		



QUESTIONS?