

Dookumeentoilo'ob Open Data Editor



**Open Data
Editor**

A xma' programaartbil aap uti'al ooja de kaalkulo xma' éerroril, yéetel pribasidaad garantisaada, yéetel daato'ob FAIR

Te' paajina yaan giiyaob uti'al uswaaryo'ob yéetel dokumeento'ob teeknikotak uti'al Open Data Editor (ODE), beyxan informasyoon yo'olal bix ju yáantaj máak yéetel koodigo beyxan yéetel kaasos bix u usaarta'al ODEe'.

Uti'al ujeel informasyoone', moch ooken tu paajinail ofisyaal le proyeektoo' tu siityoil Open Knowledge Foundation (OKFN): <https://okfn.org/opedataeditor>

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Ooksajt'aan

Ba'ax Open Data Editor

[Open Data Editore' \(ODE\)](#), meeta'an men [Open Knowledge Foundation \(OKFN\)](#), jump'éeel nu'ukul xma' bo'olil yéetel de jáalk'ab koodigo meyajta'an uti'al u yáanta'al mola'ayo'ob ma' lukratiibosi', peryodiistas de daatos, aaktibiistas, yéetel seerbidoor puublikoso'ob uti'al u kaxtiko'ob éerroro'ob ich u baase de daatoso'ob. Lela' meeta'an uti'al máako'ob ku meyajob yéetel daato'ob taabulaaro'ob (Excel, Google Sheets, CSV), ts'o'okole' ma' u yojelo'ob programaari' wakex ma' u yojelo'ob bix u aawtomatisaarta'al u xak'alta'al daatosi'.

U teekniko nojmeyajil ODEe' lete' u yaankuunsik jump'éeel aplikaasyon ti' eskritooryo bey xma'bo'olile', jáalk'ab koodigo, ma' programaartbili' yéetel muultiplatafoorma, uti'al u yáantik le uswaaryo'ob ku meyajob yéetel daatos taabulaaro'obo' uti'al u séeb kaxtiko'ob yéetel u yutskiinto'ob éerroro'ob, uti'al u kúumpliarta'al u estaandarilo'ob u balidasyoonil daato'ob yéetel meetadaato'ob (maases u [priinsipyos FAIR](#)), beyxan uti'al u jóok'siko'ob, junmúuch' daato'ob liimpyo, paaklanmeyajtbe'en liistotak uti'al publikaartbil – ba'ale' bey ku kanáanta'al xan pribasidaade' (aarkitektuura local-first), k'a'abet u p'áatal ma' aali' (jach uts wa jump'íit le rekurso'ob wakex ma' enliinyai'), ts'o'okole' bey ku usaarta'al jáalk'ab estaandaro'ob (je'elbix [le maarko Frictionlesso'](#)), uti'al u jach ka'ak'a'abetkuunsa'al yéetel u jach táakbesa'al daato'ob.

Líik'ul 2025e', le Digital Public Goods Alliance' (DPGA) tu chímpoltaj Open Data Editor bey jump'éeel [nu'ukul diijitaal puublikoe'](#), u k'áat u ya'ale' ku meyaj yéetel u ka'anal estaandarilo'ob jáalk'abil yéetel ku kanáantik le meyajob sosteniibletakob way yóok'olkaabe'.

Daato'ob FAIR

Open Data Editore' (ODE) ku ma'alobkuuntik u kaalidaadil daato'ob yéetel [príinsipyob FAIR](#).

Je'elbix tsola'an men [u inisyatiibail GO FAIR](#)e', daato'ob FAIR u k'áat u ya'al ku bisik u príinsipyoilo'ob **kaxtbe'enil**, **aksesibilidaad**, **paaklanmeyajtbe'enil** yéetel **ka'ak'a'abetkuunsbe'enil**. Le príinsipyoso' meeta'an uti'al ka' maas séebak u kaxta'al yéetel u usaarta'al daato'ob men máak yéetel maakinaob, ka'alikil u ma'alobkuunsa'al u báalor yéetel u ka'ak'a'abetkuunsa'al.

Kaxtbe'en

U yáax paaso uti'al u (ka'a)k'a'abetkuunsa'al daato'obe' lete' u kaxta'alo'. Meetadaato'ob yéetel daato'obe' k'a'ana'an u séeb kaxta'alo'ob men máak yéetel men koomputadooraob.

Aksesiible

Le bey ts'o'ok u kaxta'al le daato'ob men le uswaaryo'obo', k'a'abet u yojéelta'al bix kun k'uchul máak te' daato'obo', tu'ux yaan wal u k'a'abettal awtentifikasyoon yéetel awtorisasyoone'.

Paaklanmeyajtbe'en

Le daato'obo' suuk u k'a'abettal u múultáakbesa'al yéetel ujeel daato'ob. Ts'o'okole', daato'obe' k'a'abet u paaklanmeyajo'ob yéetel aplikasyoono'ob wa meyajilo'ob uti'al analisaartbil, líik'sbil yéetel prosesaartbil.

Ka'ak'a'abetkuunsbe'en

Ba'ax ku jach kaxtik FAIRe' lete' u ma'alobkuunsik u ka'ak'a'abetkuunsa'al daato'obo'. Uti'al u yúuchul le je'ela', meetadata'ob yéetel daato'obe' k'a'abet ma'alob tsola'an ba'ax ku taasiko'ob, beyo' je'el u béeytal u duplikaarta'alo'ob yéetel/wa u kombinaarta'alo'ob ich jejeláas koonfigurasyoono'obe'.

K'ajóolt tuláakal yo'olal u príinsipyos FAIR ich u [Mooduloil 4](#) u kursoil 'Quality and Consistent Data with ODE' yan te' [School of Datao'](#).

U kanáanta'al u táakbesa'al IA

Ti' le Open Data Editore' (ODE) yaan jump'éeel nu'ukul IA uti'al u yáanta'al uswaaryo'ob u maas ma'alob na'atiko'ob u daato'ob. Le nu'ukul IAo' ku meyaj yéetel modeelo'ob lokalo'ob. **Mix jump'éeel daato ku túuxta'al te' nuubeo', ts'o'okole' tuláakal le ooperasyoono'obo' ku yúuchulo'ob tu koomputadoora le uswaaryo'obo'.**

U táakbesa'al le kaarakteriistikas uti'al u kaalidaadil daato'ob áanta'ab yéetel IAe' ku ya'abkuunsik ba'ax ju béeytal u meetik le nu'ukula', ku meetik u séeb ila'al ba'alo'ob ma'

no'oja'ani', u kaxta'al ma'alob sujereensya uti'al utskiinajo'ob, yéetel u ma'alobtal u meyajta'al nojoch yéetel k'ok'otkil múuch' daato'ob, ts'o'okole' láayli' ku kanáantik pribasidaade', yéetel jump'éeel diseenyo local-first.

Lela' ku bisik Open Knowledge Foundation's u maas ts'áaik u yóol uti'al u yaankuunsik teknoloojiyas siimpletak, soosteniibletak yéetel ku yúuchtal u meyajo'ob, uti'al u yutskiinsa'al probleemas jach jaajtak ti' máak, ts'o'okole' bey ku bin tu beel u inisyatiibas [The Tech We Want](#) (Le Teeknolojiiya K k'áato').

Uti'al u usaarta'al u fúunsyoniil IAe', ODEe' yaan u yáax túuxtik le uswaaryobo' u yéenso'ob le moodelo tu koomputadooraobo'.

Noota

Tumen le modeeloo' lokal yéetel tuláakal le proseeso yaan u yúuchul tu koomputadoora le uswaaryoo', le meyajo' yaan u afektaarta'al men u hardware le maakinao', yéetel u kaalidaadil le respweestao' yaan k'iine' meenos keet le LLMo'ob suuk te' nuubeo' je'elbix le ChatGPTo', Deepseek wa Claude.

ODE' táan u kaxtik u ekilibraartik meyaj, pribasidaad yéetel bix u yila'al men uswaaryo'ob ma' teeknikosi'.

U kursoil aalfabetisasyoon ti' jáalk'ab daato'ob

U táaniltik Open Data Editor u ma'alobtal le alfabetisasyoon dijitaal yéetel u ka'ambesik uswaaryo'ob ma' teekniko'ob uti'al meyaj yéetel daato'obe', tu beetaj k meyajtik jump'éeel xma'bo'olil kursoo yan te' School of Datao'. ['Quality and Consistent Data with the Open Data Editore'](#) jump'éeel jáalk'ab nu'ukul uti'al kaambal k'a'abet uti'al tuláakal máak taak u yaankunsik ba'alo'ob k'ajóoltbil yéetel daato'ob. Beoorae' le kursoo' ich íngles yéetel portugees yaan, yéetel mun xáantale' yaan u su'utul ich espanyool yéetel fráanses.

Patjo'olta'an uti'al uswaaryo'ob ma' teekniko'ob ku meyajo'ob yéetel daato'ob taabulaaro'obi' (Excel, Google Sheets, CSV), yéetele' mix k'a'ana'an ya'ab ba'al teekniko u yojelo'obi'. 100% enliinya, xma'bo'olil yéetel gamifikaado.

Ju páajtal a wilik ba'ax ku taasik yéetel a ts'íibtikabáa waye':

<https://schoolofdata.org/courses/quality-and-consistent-data-with-open-data-editor/>

Óol íigwal nu'ukulo'ob yéetel u jela'anilo'ob

Le nu'ukulo'ob yaan beoorae' ku meyajo'ob óol bey le Open Data Editoro' meeta'abo'ob uti'al jach jump'éeel meyaj yéetel maas tekniikotako'ob. Lelo' ku meetik talam u usaarta'alo'ob men

máak ma' u k'ajóol koodigo, estaandares wa u lengwaajeilo'ob programasyoon uti'al u meyajtiko'obi'.

Le ba'alo'ob maas chíikbesik u jela'anilo'ob ti' ODEe' te' ku tso'olol te' jaats kaabala'.

Data Check

Te' yana':

<https://data.humdata.org/tools/datacheck/import>

U jela'anilo'ob:

- Jach u nojochil áarchibo'ob: 20 MB
- Ku meyaj chéen yéetel u estaandaril HXL.
- Xuul u ka'aj u yila'al le taabla kéen ts'o'okok le berifikasyoono', ts'o'okole' le uswaaryo' k'a'abet u ts'úunk'abtik ya'ab tabulaadoro'ob wa ya'ab u fiilasil le áarchiboo'.
- Mina'an jump'éeel u nu'ukulil uti'al u ts'áabal k'ajóoltbil.

IATI Validator

Te' yana': <https://validator.iatistandard.org/>

U jela'anilo'ob:

- Ku meyaj chéen yéetel u estaandaril IATI.
- Ku meyaj ti' jump'éeelili' tiipo máak: u múuch'kabil máak uti'al u yáantajil way yóok'olkaabe'.
- Le nu'ukulo' ku ts'áaik jo'op'éeel níibel yo'olal u kaalidaadil daato'ob (Jach ma'alob, Ma'alob yéetel tsolt'aano'ob, Aleerta, Éerror yéetel Kriitiko) lúugar u ts'áaik tuláakal le éerroro'ob yéetel bix ju yutskiinta'alo'obe'.

CSV Lint.io

Te' yana': <https://csvlint.io/>

U jela'anilo'ob:

- Ku meyaj chéen yéetel áarchibo'ob CSV, yéetel ku ya'alik ti' le uswaaryo wa "xokbe'en le áarchiboo" wa ma'.

- Jump'éeel nu'ukul agnoostiko; u eskeemaile' ju páajtal xan u ch'a'atáakbesa'ale'.

360Giving Data Quality Checker

Te' yana': <https://dataquality.threesixtygiving.org/>

U jela'anilo'ob:

- Ku meyaj chéen yéetel u estaandaril 360Giving.

Chíimpolt'aano'ob

Jach k chíimpoltik u yáantaj yéetel úuch u táakpajal [Patrick J. McGovern Foundation \(PJMF\)](#), tumen wa ma' tu yéetel ka'ache' Open Data Editore' mu jóok'ol táanil. K'aj óolt ujeel u prograamailo'ob finansyamyeeento [waye'](#).

Ts'ook aktwalisasyoono'ob

Open Data Editore' táan u meeta'al jáalk'ab. Il bix u bin, aktwalisasyoono'ob tak le ba'ax ku tsikbalta'al men uswaaryo'ob ich u bloogil Open Knowledge:

<https://blog.okfn.org/category/open-data-editor/>

Bix ts'o'ok u usaarta'al

Open Data Editore' múul meeta'ab men múuch'ilo'ob uswaaryo'ob way yóok'olkaabe'. Ichil 2024 yéetel 2025e', óoxjaats meyaj formal yéetel retroalimeentasyoon meeta'ab men u múuch'kabil máako'ob ku meyajtiko'ob jejeláas kaampo de konosimyeento. Yéetel le meyaja' jóok' jejeláas bix u usaarta'al le ODEo', láaj tsola'an waye': <https://blog.okfn.org/tag/ode-use-cases/>

Te' kaabalo', k máarkartik wajayp'éeel u meyajilo'ob ODE ku yáantiko'ob u ma'alobkiinsa'al u meyajil yéetel u kaalidaadil daato'ob.

Je'el xan u páajtal a wáantaj yéetel a ts'áaik k'ajóoltbil jump'éeel bix u meyaj ODEe'. Il bix ju páajtal ich le giiyaa' **Documentation > Use cases**.

Daato'ob ichkoolil (Gaana)

Open Science Community Ghanae' (OSCG) tu usaartaj ODE uti'al u séebkuunsa'al le meyaj yéetel daato'ob molk'abta'ano'obo' beyxan uti'al u p'íitkúunsa'al u tyeempoil u kaxta'al yéetel u yutskiinta'al éerroro'ob.

U interfaas ODEe' tu yáantaj le ekiipo uti'al u séeb jets'iko'ob yéetel u kúumpliirta'al jump'éeel u estruktuurail daato'ob estaandaro', le ku kanáanta'al jump'éeelili' formaato yaan ti' tuláakal le múuch' daato'obo'. Le je'ela' u páakili' tu yutskiintaj u probleemail u p'éeelili'kuunta'al le daato'ob tu k'amo'ob ti' jejeláas kúuchilo'obo'.

	5	6	7	8	9	10	11	12	13
1	farmer_age	farmer_gender	years_of_far...	farmer_group	farm_size_acr...	farm_locatio...	crop_variety	animal_reared	fertilizer_
2	30	female	32	Savelugu ...	2.23	9.97215,-2.39...	maize ...	sheep	Urea
3	35	male	27	Savelugu ...	6.76	9.49005,-2.51...	rice	goats	NPK
4	62	female	4	Tamale ...	2.09	10.5075,-2.39...	yam	cattle	Urea
5	31	male	9	Savelugu ...	3.24	10.65096,-3.3...	yam	sheep	npk
6	62	female	11	Nyankpala ...	3.59	9.32165,-3.28...	maize ...	cattle	npk
7	49	male	14		7.07	9.10651,-2.19...	yam	cattle	Urea
8	55	male	38		4.36	10.36643,-1.6...	nara	cattle	Urea
9	58	male	18		3.78	10.27414,-1.6...	maize ...	chicken	urea
10	61	female	16	Nyankpala ...	2.47	9.39048,-3.35...	rice	chicken	Urea
11	54	female	16	Tamale ...	6.9	9.27521,-2.05...	rice	chicken	Npk
12	64	female	21	Tamale ...	6.6	10.09163,-2.4...	nara	cattle	urea
13	58	female	2	Tamale ...	5.54	10.76744,-3.3...	rice	cattle	urea
14	53	female	11	Nyankpala ...	2.55	9.6981,-2.3751	maize (dorke)		npk
15	60	female	16		1.55	10.71306,-2.6...	nara	chicken	NPK
16	42	male	6	Tamale ...	7.95	9.72915,-3.38...	nara	cattle	Npk
17	22	male	29	Tamale ...	3.03	9.92804,-2.11...	rice	sheep	Npk

Jump'éeel u éejemploil éerroro'ob kaxta'ab men ODE ich junmúuch' daato'ob: seelda mixba'al yani' yéetel formaato ma' no'oja'ani'.

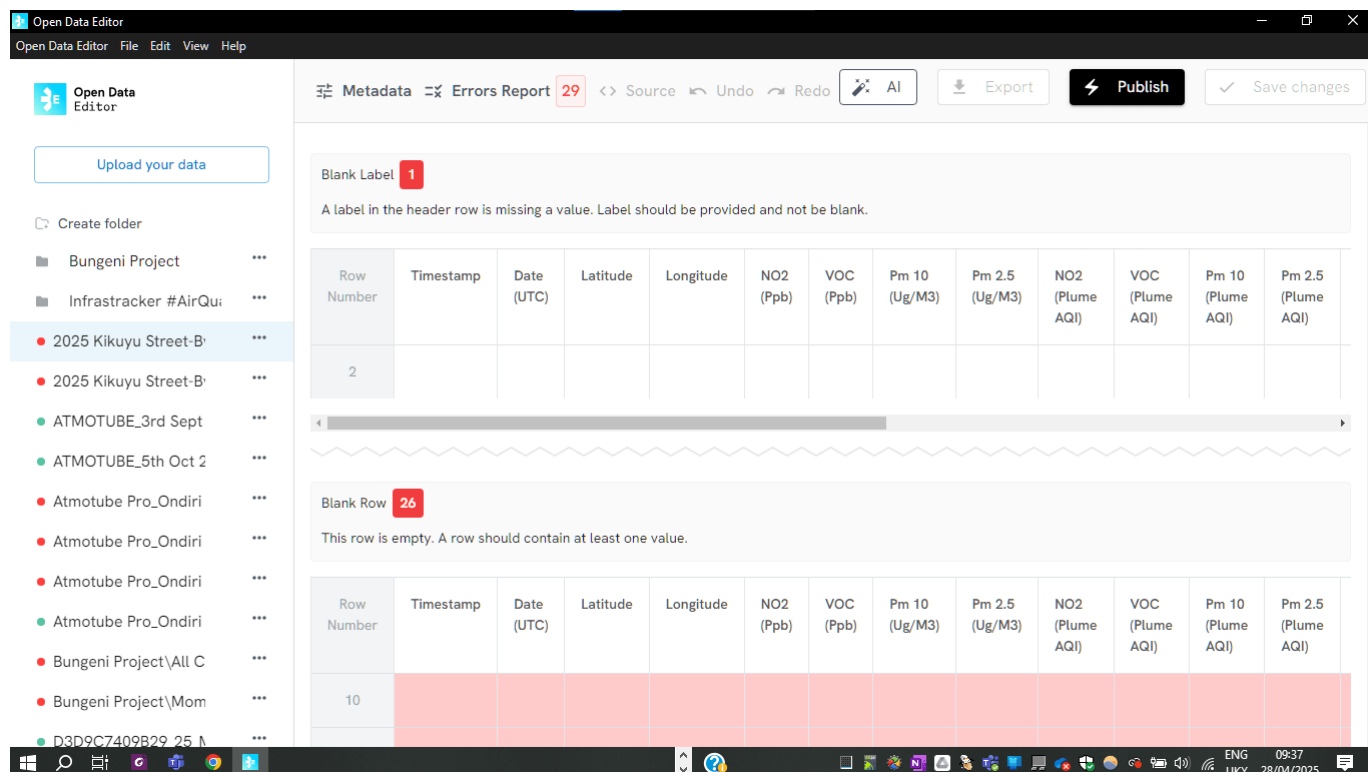
Ojelt u maasil:

<https://blog.okfn.org/2025/11/10/open-data-editor-in-action-bridging-the-gap-between-field-data-and-research-insights-in-ghana/>

Daatoilo'ob kliima (Keenya)

Demography Projecte' tu usaartaj ODE uti'al u chekaartik yéetel u yutskiintik éerroro'ob ich jump'éeel u nuxi' ooja de kaalkuloil daato'ob yo'olal u kaalidaadil iik', béeychaj jump'éeel anaalisis presiiso.

Ich le taablas tu'ux táakbesa'an daato'ob ti' jejeláas kúuchilo'oba' (ichil le je'elo'oba' ka'ap'éel u monitooril u kaalidaadil iik' portaabletak'ob, nu'ukulo'ob GPS, yéetel smartphones), ya'ab ba'alo'ob ma' no'oja'an séeb ila'ab ich seguundosí'. Ka túun ila'ab máakalmáak le éerroro'obo', le ekiipoo' páajchaj u yutskiintik yéetel u chukbesik le daato'obo', beya' ma'alobchaj u kaalidaadil le múuch' daato'obo'.



Ich le ooja de kaalkuloo', ODEe' tu kaxtaj 29 u p'éeelel ba'alo'ob ma' no'oja'ani' yéetel éerroro'ob ich le múuch' daato'obo'.

Ojelt u maasil:

<https://blog.okfn.org/2025/04/28/open-data-editor-use-case-a-giant-spreadsheet-of-environmental-data-now-accurate-for-analysis/>

U daatoilo'ob peryodiismo (Meejiko)

Data Críticae' tu usaartaj ODE uti'al u kaxta'al baryaableob konfyaabletak uti'al imbestigasyoon peryodiistika yéetel uti'al u garantisaarta'al le istooryas meeta'an yéetel ma'alob fundameentoo'.

Leti'obe' tu usaarto'ob bey jach jump'éeel u yokomil u metodolojiya u "k'áatchi'ital daato'ob" ich táayero'ob yéetel ich u imbestigasyoono'obe'. ODEe' u páakili' tu máarkartaj báaloro'ob mina'ano'ob, lelo' tu sáasil chíikbesaj u chuka'anil le múuch' daato'obo' tumen tu ye'esaj le seelda ma' chuuptako'obo'.

Open Data Editor

Data
Errors Report +999
Source code

AI
Export
Save changes

Upload your data

df_resultados.csv

Please note that the ODE currently detects errors in tables, with a maximum of 1000

Duplicated header 1
Two or more columns share the same name. Column names must be unique.

	321	322	323	324	325	326	327	328	329	330
1	FORMAL...	CLORATOS	ACID_CL...	ACID_DI...	ACID_TRI...	E_COLI_...	COLI_FE...	COLI_TO...	BR_TOT	SALINIDAD

Type mismatch 999
A cell value doesn't match the expected data type or format for the column.

	1	2	3	4	5	6	7	8	9	10
1687	DLCOA4...	DLCOA4...	POZO ...	SUBTER...	41236	2012	<25	180	0	180
1688	DLCOA4...	DLCOA4...	POZO ...	SUBTER...	41449	2013	<25	181	0	181
1695	DLCOA4...	DLCOA4...	POZO ...	SUBTER...	44071	2020	<25	204.24	0	204.24
1697	DLCOA497	DLCOA4...	POZO ...	SUBTER...	41439	2013	<25	<25		
1698	DLCOA497	DLCOA4...	POZO ...	SUBTER...	41894	2014	<25	<25	0	12.1
1711	DLCOA4...	DLCOA4...	EL ...	SUBTER...	41893	2014	<25	131.7	0	131.7
1739	DLCOA507	DLCOA5...	RANCHO...	SUBTER...	44487	2021				

User guide
Report an issue
English

Láayli' ich le múuch' daato'ob ku ye'esa'al ka'analo', ODEe' ku chíikbesik éerroro'ob ich kóolumnaob íigwal u k'aaba'ob yéetel daato'ob ma' íigwal u klaaseili'.

Ojelt u maasil:

<https://blog.okfn.org/2025/11/28/open-data-editor-in-action-interrogating-data-for-investigative-journalism-in-mexico/>

Daatoilo'ob Defeensa (Fraansya)

Observatoire des Armementse' tu usaartaj ODE uti'al u sutik ti' jump'éeelili' ma'alob ooja de kaalkulo u daatoilo'ob gaasto puubliko yaan ti' jejeláas kúuchilo'ob (u ko'onol yéetel u ma'anal aarmaob).

Tu p'itkuunsajo'ob u tyeempoil u yutskiinta'al éerroro'ob, ku beeta'al ka'ach ich ya'ab k'iino'ob, beorae' ich seguundo'ob. Tu tselo'ob 95% le ku meyajk'abta'alo', yéetel tu yáantaj u ekiipo'ob u táaniltiko'ob le ba'ax jach k'a'ana'ano'.

Open Data Editor <2>

Open Data Editor File Edit View Help

Upload your data

Create folder

DB_fabrique_de_la_gu ***

SIPRI-Top-100-2002-2 ***

plan-de-reliance_entri ***

User guide

Report an issue

Metadata Errors Report 48 Source Undo Redo AI Publish Save changes

The SIPRI Top 100 ...							
Revenue figures are in							
Source: SIPRI Arms In							
	Rank (2023)	*Note (b)	Rank (2022)	Company (c)	Notes (2023)	Country (d)	Arms revenues (2023)
5	1		1	Lockhead Martin Co.		United States	60810
6	2		2	RTS		United States	40660
7	3		3	Northrop Grumman		United States	35570
8	4		4	Bombardier		United States	31100
9	5		5	General Dynamics		United States	30200
10	6		6	BAE Systems		United Kingdom	29810
11	7		9	Rosobor	fg	Russia	21730
12	8		8	AVIC		China	20850
13	9		7	Northrop		China	20560
14	10		10	GEFC	f	China	16050
15	11		13	Lockheed Martin	h	United States	14760

Page 1 of 9 Results per page 14 Showing 1 - 14 of 116

Te' ooja de kaalkuloo', ODEe' ich wajaayp'éel seguundo'obe' tu máarkartaj 48 u p'éeelel ba'al ma' no'oja'ani'.

Ojelt u maasil:

<https://blog.okfn.org/2025/04/14/open-data-editor-use-case-multiple-defence-spending-data-sources-in-a-single-quality-spreadsheet/>

Daato'ob finansyeero'ob (Sudaafrika)

Public Affairs Research Institute' (PARI) tu usaartaj ODE uti'al u jeltsoilik ti' juntakáalili' formaato junmúuch' daato'ob finansyeero puubliko'ob xa'ak'paja'ano'ob, beyo' liistochajo'ob uti'al anaalisis konfyaaable.

ODEe' tu tsolaj bix yanik le daato'obo', séeb úuch u máakartik seeldaob ma' chuuptaki', éerror tu klaaseil daato'ob, yéetel ba'alo'ob ma' no'oja'an tu tsoolil le daato'obo', lelo'oba' je'el ka'ach u bisik nonoj k'iin u kaxta'alo'ob men máake'. Beya' lúugar u meyajk'abta'al le daatose' chéen yaan u yila'al wa ma'alob yanik le daatoso'.

Open Data Editor

Data
Errors Report: 32
Source code

AI
Export
Save changes

Upload your data

- Analysis - COJ cop...
- Cashflow Datasets ...
- COJ Capital Budget...
- Debtors Age Analys...
- Income and Expend...
- Municipal Tariffs Da...
- Multiple datasets f...
- uifwexp_aggregate...

☒ User guide
☒ Report an issue

English

	1	2	3	4	5	6	7	8	9	
1		2019/20			2020/21			2021/22		
2	Line item	Original Budget	Adjusted ...	Audited ...	Original Budget	Adjusted ...	Audited ...	Original Budget	Adjusted ...	
3	CAPITAL ...									CA
4	Total New ...	3914172444	2937272850	3270949480	3015222118	3442204000	3409685420	4669967995	3821555350	Tot
5	Roads ...	984759968	910862100	1360430953	961452995	850312000	1266867913	853288250	878454600	Roi
6	Storm water ...	39999998	30000004	19175107	29999999	3000000	1528108	51000000	37805350	Sto
7	Electrical ...	486392998	220959838	486677540	222000000	291817000	284135846	586344000	561944000	Ele
8	Water Supply ...	822399014	345854926	630871980	346650000	359855000	389206065	311350000	291941000	Wa
9	Sanitation ...	50000000	105800368	378000	109000000	30727000	9910452	161587000	70187000	Sar
10	Solid Waste ...	250126462	47690194	76916000	48707000	38547000	32676884	129000000	199104000	Sol
11	Rail ...									Rai
12	Coastal ...									Coi
13	Information a...	32224996	54999994	30800340	55000000	40000000	52106389	49100000	54100000	Inf
14	Infrastructure	2665903436	1716167424	2805249920	1772809994	1614258000	2036431657	2141669250	2093535950	Infr
15	Community ...	220100002	167869990	143992000	169200000	247009000	138675503	316743000	243469000	Coi
16	Sport and ...		40375134		40375124	69650000	46172000	86500000	79500000	Spx
17	Community ...	220100002	208245124	143992000	209575124	316659000	184847503	403243000	322969000	Coi
18	Heritage ...	40000002								Her
19	Revenue ...	55200000		36972000			23066000			Ren
20	Non-revenue ...									Non
21	Investment ...	55200000	0	36972000	0	0	23066000	0	0	Inv

U éejemplosil éerroro’ob kaxta’ab men ODE ich junmúuch’ daatoilo’ob munisiipyo: seeldas ma’ chuuptaki’ yéetel formaato’ob ma’ no’oja’ani’.

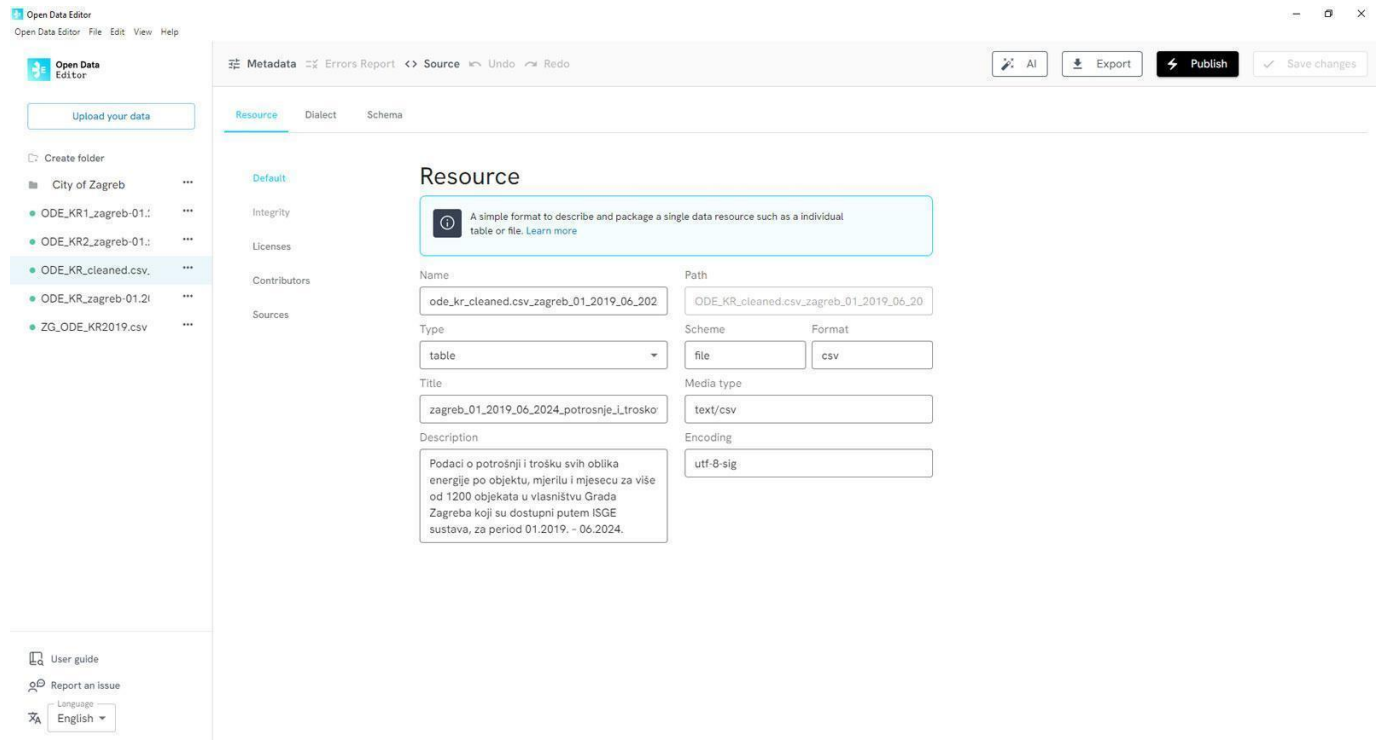
Ojelt u maasil:

<https://blog.okfn.org/2025/11/10/open-data-editor-in-action-enhancing-fiscal-governance-and-transparency-in-south-african-municipalities/>

U daatoilo’ob jala’achil (Kroaasya)

U kaajil Zagrebe’ tu usaartaj ODE uti’al u kúumplirta’al u estaandarilo’ob daato’ob jáalk’abtako’ob yéetel u túulch’intik u kultuurail alfabetisasyoon ti’ daato’ob ich jejeláas u kúuchilo’ob u jala’achilil Zagreb.

ODEe’ ich seguundo’obe’ tu máarkartaj ba’alo’ob ma’ no’oja’ani’ (báaloro’ob mina’ano’ob, wa u éerrorilo’ob formaato), je’elbix tu múuch’daatoil edifiisyo’ob puublikotako’ob yéetel 11 u p’éelel kóolumna medisyoones energiya mina’an u k’aaba’obe’. Le ekiipoo’ páajchaj u táakbesik kóonteksto kritiko (je’elbix u daatoilo’ob u yuumilo’ob, bix u abasteseertikubáaab) tu waats’ili’ tu paanelil meetadaato’ob ODE, ka’alikil u meyajta’al u príinsipyos FAIR.



U paanelil meetadaato'ob ODEe' jach k'a'abetchajij uti'al u yila'al u k'a'ana'anil u paaklanmeyajta'al daato'ob yéetel uti'al u yantal u kultuurail alfabetisasayoon ti' daato'ob ich administrasayoon puublika.

Ojelt u maasil:

<https://blog.okfn.org/2025/05/20/open-data-editor-in-action-streamlining-data-governance-and-unlocking-the-potential-value-of-urban-data-in-croatia/>

U daatoilo'ob patrimoonyo (Kambooya)

Jump'éeel u IA Our Owne' (AAOO) tu usaartaj ODE uti'al u meeta'al u modeeloilo'ob IA meeta'an yéetel nu'ukulo'ob eetiko'ob yéetel ku chiimpoltiko'ob u daatoilo'ob u Noojolil Yóok'olkaab.

ODEe' tu yáantaj le ekiipo uti'al u yilik yéetel u yutskiintik le ba'alo'ob ma' no'oja'an te' formaatoo'. Béeychaj u p'éelili'kuuntiko'ob u formaatol le feechaobo' yéetel ujeel baryaableob, ka'alikil u garantisaarta'al u ma'alob p'éelili'kuunta'al le daato'ob ku taalo'ob ti' jejeláas meetodo'obo'. Jump'éeel ba'al jach k'a'ana'anchaj ti' AAOOe' lete' ka béeyak u tso'olol ba'ax daatoilo'ob yaan ich jujump'éeel ti' le kóolumnao'. U ts'áabal kóonteksto yéetel ba'ax u k'áat u ya'al jujump'éeel le kóolumnao' jach k'a'abet uti'al u meeta'al junmúuch' daatoilo'ob IA jach taak'al yéetel le kultuurao', beyxan ka'anal u kaalidaadil.

Open Data Editor

File View Help

Open Data Editor

Upload your data

form-1__an-ai-of-our-o...
form-1__an-ai-of-our-o...
form-1__an-ai-of-our-o...
form2__an-ai-of-our-o...
AI%20OF%20OUR%20...
form-1__an-ai-of-our-o...

User guide
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English

Data Errors Report 15 <> Source code

Constraint Error 5

A field value does not conform to a constraint.

	1	2	3	4	5	6	7	8	9	10	11	12	
14				program...		No...							Umi
15				program...		V...							Imp
16				program...		h...							Uml
17				program...		S...							Isic
18				program...		Jan...							Inte

Type mismatch 10

A cell value doesn't match the expected data type or format for the column.

	1	2	3	4	5	6	7	8	9	10	11	12	
14		29/06/2025	8/07/2025	program...		No...							Umi
15		29/06/2025	8/07/2025	program...		V...							Imp
16		29/06/2025	8/07/2025	program...		h...							Uml
17		29/06/2025	8/07/2025	program...		S...							Isic
18		29/06/2025	8/07/2025	program...		Jan...							Inte

Te' éerroro'ob máarkarta'ano'oba' ku yila'al ba'al ma' no'oja'an le ka' utsil tso'ol le daato'ob ma' ma'alob tsola'an ka'acho', tu'ux ma' kanáanta'ab jump'éeel formato estaandar mix u chíikulilo'ob tyeempo'i' (U Daatoilo'ob Ba'ax Ojéela'an yo'olal K'áaxo'ob men Máasewal Wíinik).

Ojelt u maasil:

<https://blog.okfn.org/2025/11/05/open-data-editor-in-action-building-culturally-accurate-and-global-south-sensitive-ai-datasets/>

Daatoilo'ob biblyoteeka (lindya)

U Instituutoil Teknolojiiyail lindya (IIT) Deelie' tu usaartaj ODE uti'al u chekaarta'al éerror ich jump'éeel u nuxi' ooja de kaalkuloil u kataalogoil publikasyoono'ob yéetel u ka'ansa'al u kaalidaail daato'ob ti' u yéetmeyajo'ob.

ODEe' tu máarkartaj junmúuch' probleemaob ich le múuch' daato'obo', je'elbix le informasyoon biblyograafika ku taal ti' noj iindiseob je'elbix Scopus wa Web of Scienceo'. Le úuch u kaxtik ba'al ma' no'oja'an te' formaato', ODEe' tu yáantaj le ekiipo uti'al u je'ets'el kaampos liimpyotak yéetel estaandaro'obo', beyo' ku meeta'al múuch' daato'ob maas kóonfyabletako'ob uti'al u repoorteob yéetel u siityoil web.

File View Help

Open Data Editor

Data
Errors Report 10
Source code

AI
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TEST DATA

1. A to Z eBooks 202589.xlsx

1. A to Z eBooks 202589.xlsx(2)...

1. A to Z eBooks 202589.xlsx.csv

A to Z eBooks 202589.csv

scopus (3).csv

User guide

Report an issue

English

Blank Label 2

A label in the header row is missing a value. Label should be provided and not be blank.

	1	2	3	4	5	6	7	8	9	10	11
1	S. No.	Title	Author	Publisher	Subject	Vol./Edition	Year	ISBN/eISBN	URL		

Type mismatch 8

A cell value doesn't match the expected data type or format for the column.

	1	2	3	4	5	6	7	8	9	10	11
692	691	Art ...	Charlotte ...	Bloomsbu...	Design, ...		NA	97813500...	https://...		
1297	1296	Chemical ...	S.R. ...	ELSEVIER	Chemical ...		Pre 2007		https://...		
1859	1858	Constituti...	Chen, Wai...	Elsevier	Engineering		Legacy		https://...		
5438	5437	Materials ...	Milton ...	Elsevier	Materials ...	2nd ed.	Pre 2007		https://...		
5639	5638	Methods i...	Davidson, ...	Academic ...	Physics an...		Legacy		https://...		
6136	6135	Non-...	Chaouki, J...	Academic ...	Chemical ...		Pre 2007		https://...		
6868	6867	Principles ...	Aliprantis, ...	Academic ...	Physics an...	2nd ed.	Legacy		https://...		
8638	8637	Theory an...	G. Phillips ...	Academic ...	Mathemat...	2nd ed.	Pre 2007		https://...		

Open Data Editore’ ku yáantik u awtomatisaarta’al u kaxta’al éerroro’ob; te’ ka’analo’ ku ye’esa’al u éejemplosil seeldas ma’ chuuptaki’ yéetel bix klaaseil daato’ob k’a’abet u bin ti’ jujump’éeel kóolumna.

Ojelt u maasil:

<https://blog.okfn.org/2025/12/09/open-data-editor-in-action-advancing-data-quality-in-academic-library-services-in-india/>

Giiya uti’al Uswaaryo

U yéensa’al ODE

Open Data Editore’ ju páajtal u kaxta’al ich le noj platafoormaoba’:

- **Uti’al Windows:** Éens le áarchibo **EXE** maas túumbeno’.
- **Uti’al MacOS:** Éens le áarchibo **DMG** maas túumbeno’.
- **Uti’al Debian ti’ Linux:** Éens le áarchibo **ApplImage wa DEB** maas túumbeno’.
- **Uti’al ujeel Linux:** Éens le áarchibo **ApplImage** maas túumbeno.

T siityoil web

Je’el u páajtal a wéensik ODE t siityoe’: <https://okfn.org/opendataeditor/>

Ti' GitHub Jóok'sajilo'ob

Je'el u páajtal a wéensik ODE te' repositooryoa':

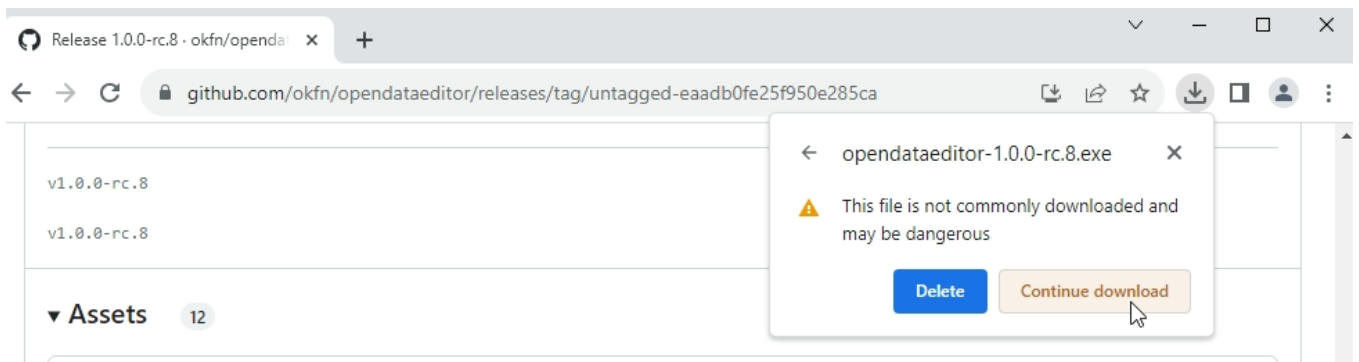
<https://github.com/okfn/opendataeditor/releases>

U instalaarta'al ODE

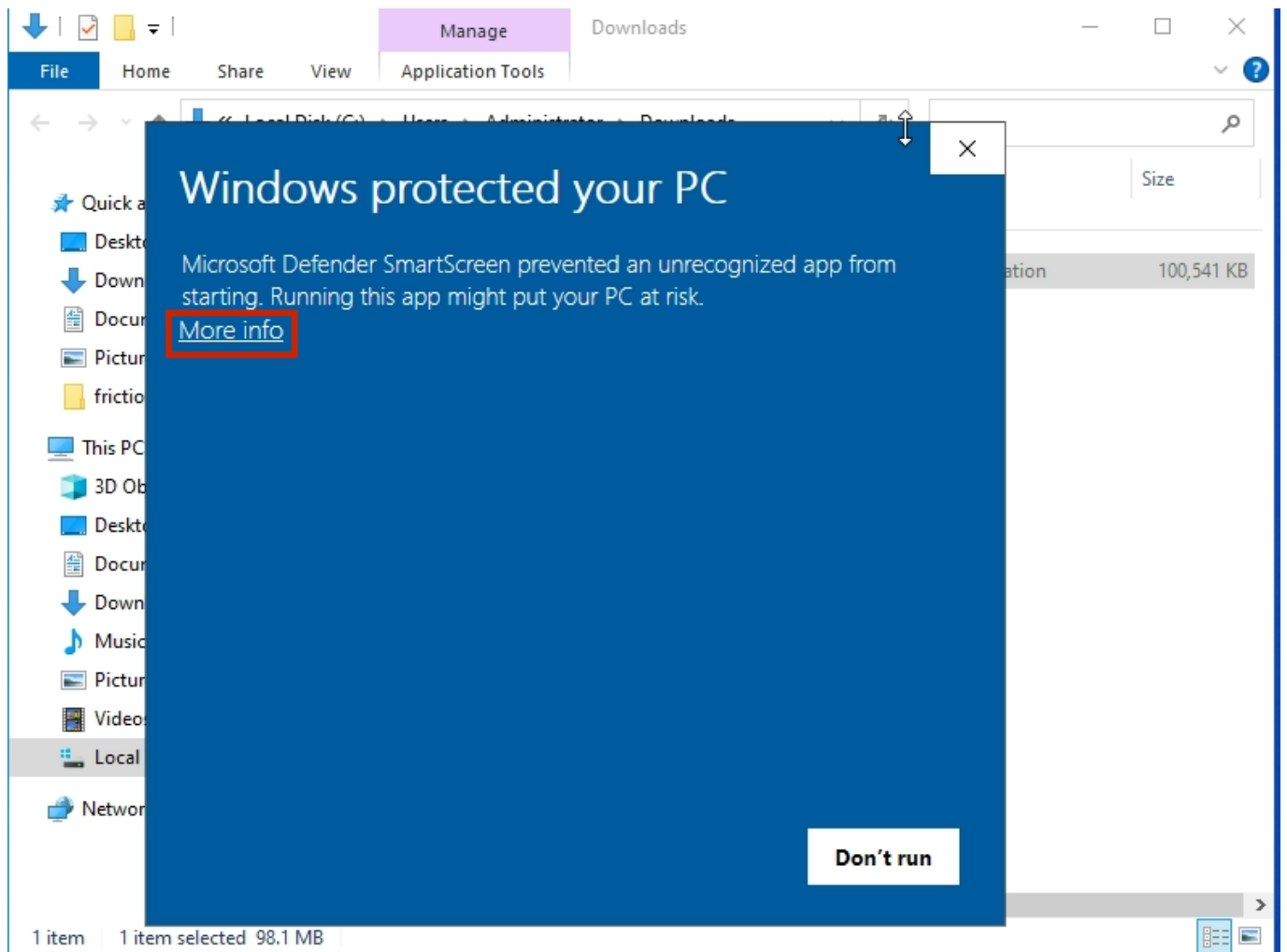
Windows

Éens le áarchibo **EXE** maas túumbeno', je'elbix tsola'an te' ka'analo'.

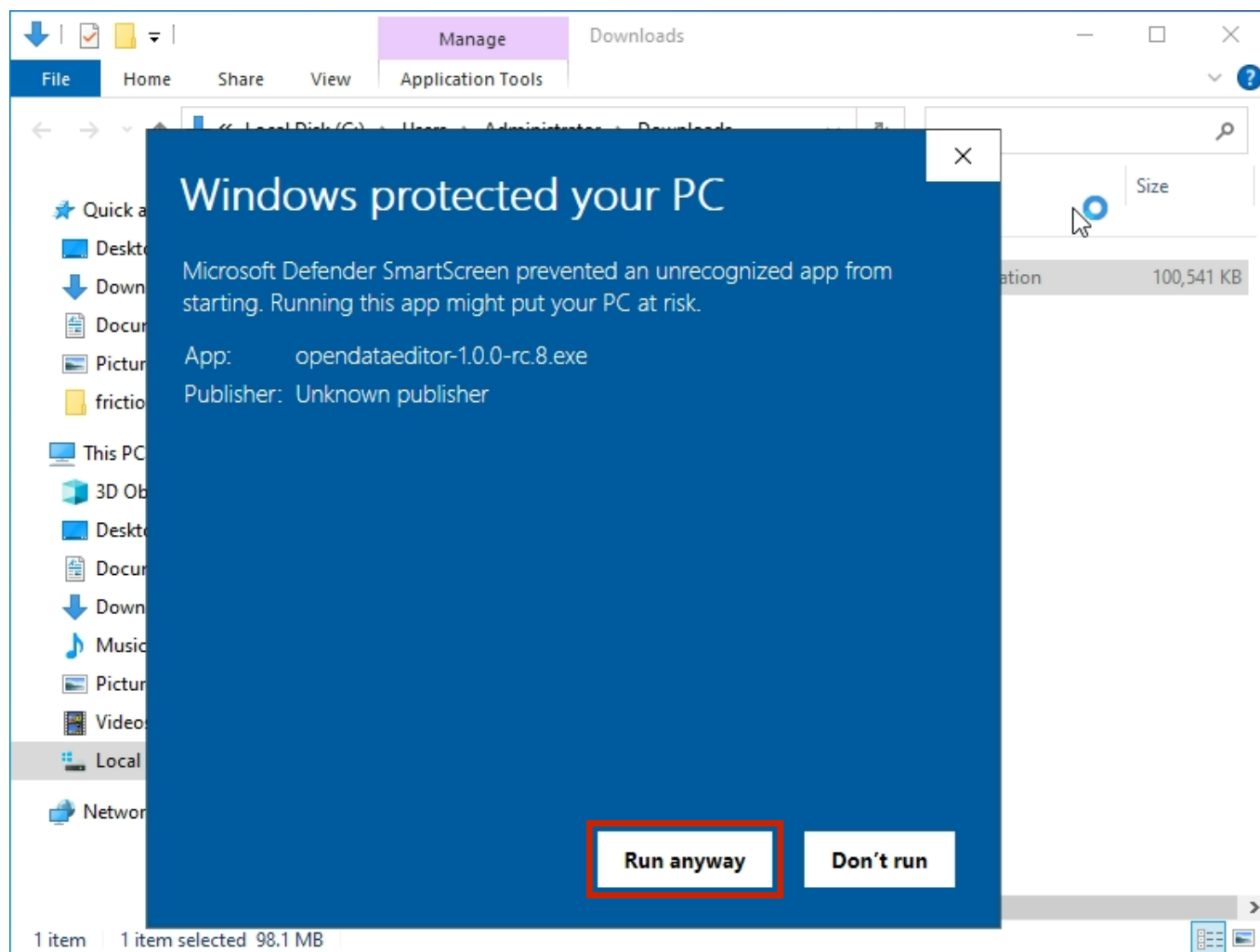
1. Wa ku k'uchul tech jump'éeel méensaje beya', ts'áa kliik ti' "Continue download".



2. Kéen a wéense', ts'áa ka'ap'éeel kliik uti'al a ejekutaartik le aapo'. Je'el wal u jóok'ol tech le béentanaa', ts'áa kliik ti' "More info" yéetel ka séegir.



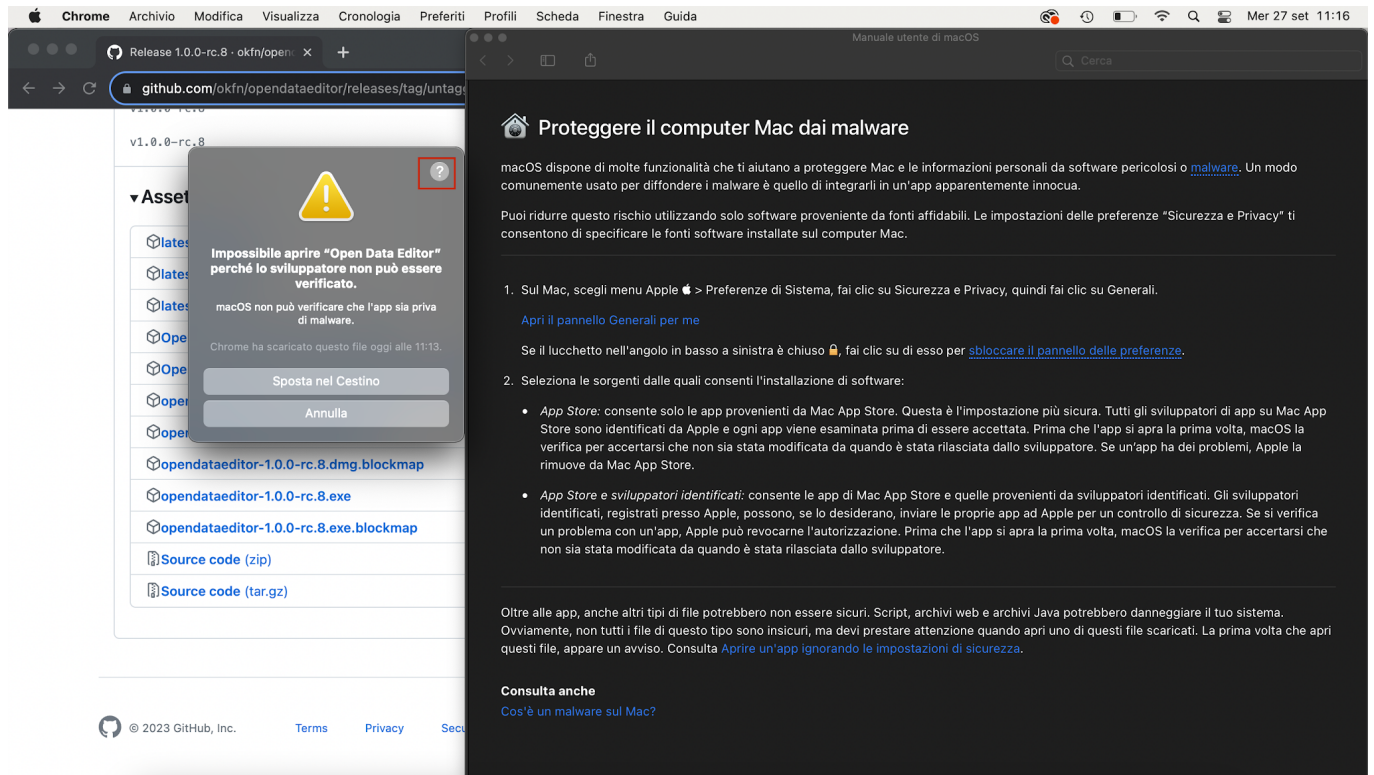
3. Ts'áa kliik ti' "run anyway" uti'al u ejekutaarta'al le aplikasyoono'.



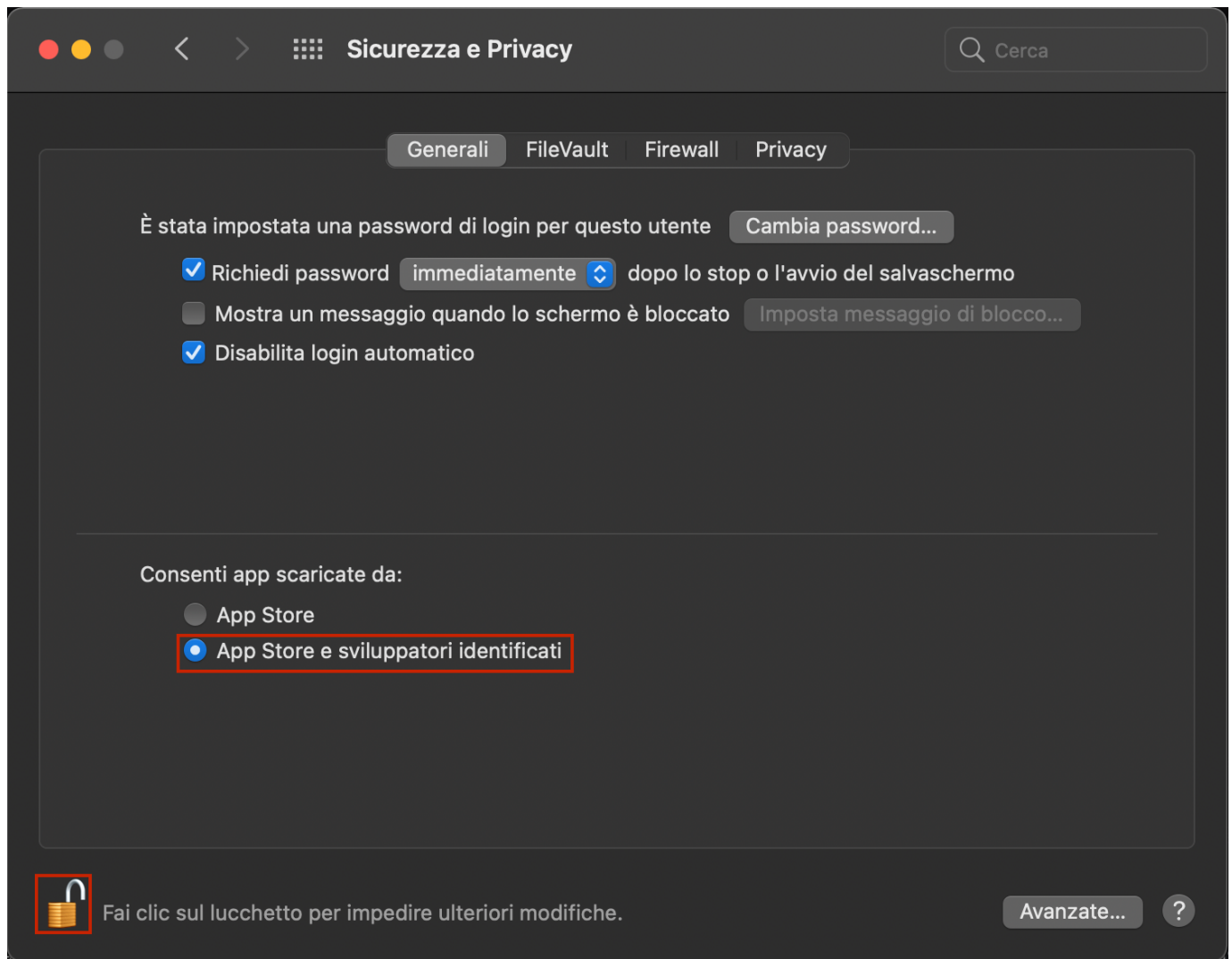
MacOs

Éens le áarchibo **DMG** maas túumbeno' je'elbix tso'ol te' yáax instruksyooneso'.

1. Wa jóok' tech jumpéel méensaje de seeguridaade', ts'áa kliik yóok'ol u siignoil k'áatchi', ts'o'okole' ts'áa kliik ti' le liink yan te' yáax jaatso'.



2. K'ex le koonfigurasyoono' uti'al u cha'abal u ejekutaar le aplikasyoono'.



Linux

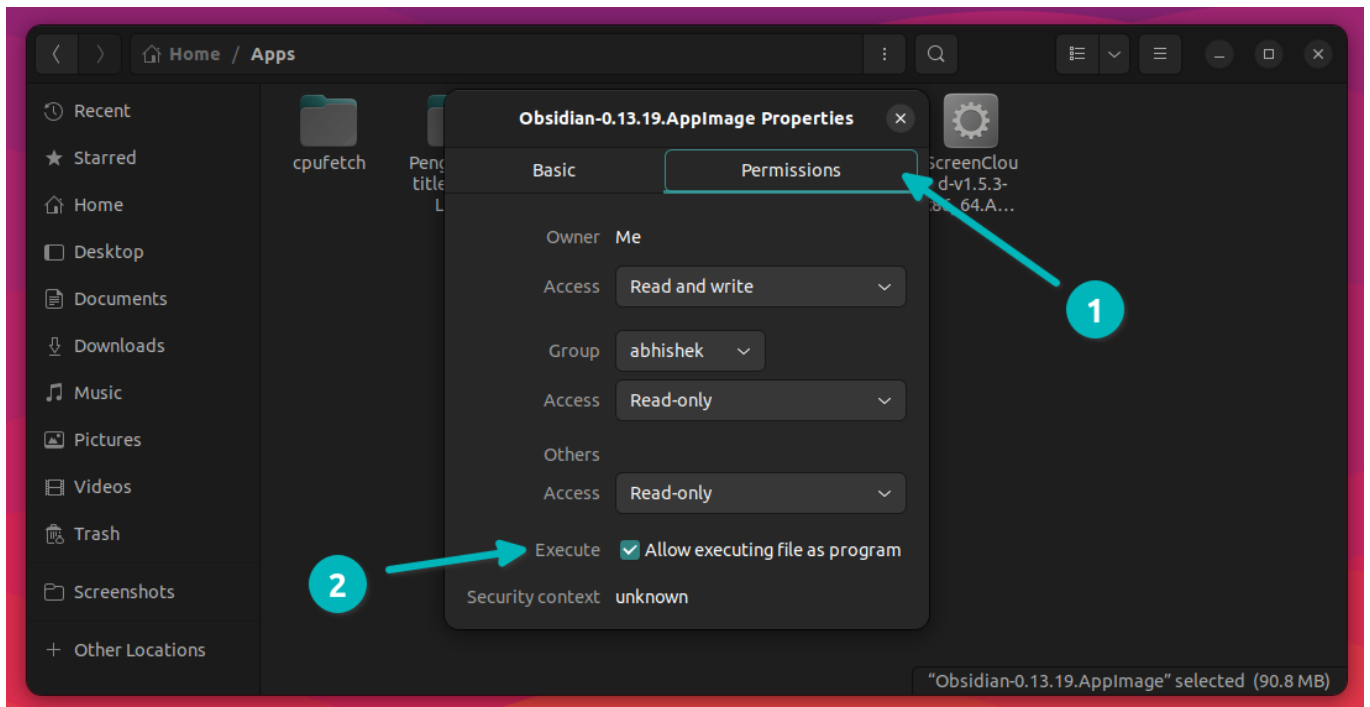
Uti'al Linuxe', yaan ka'ap'éeel opsyoon:

- Applmage (uti'al je'elba'ax distribusyoonele').
- deb (uti'al Ubuntu/Debian)

Uti'al je'elba'ax Distribusyoonele'

Éens le áarchibo **Applmage** maas túumbeno' je'elbix tso'ol te' yáax instruksyooneso'.

Le kéen a wéenso', k'a'abet a meetik ejekutaable.

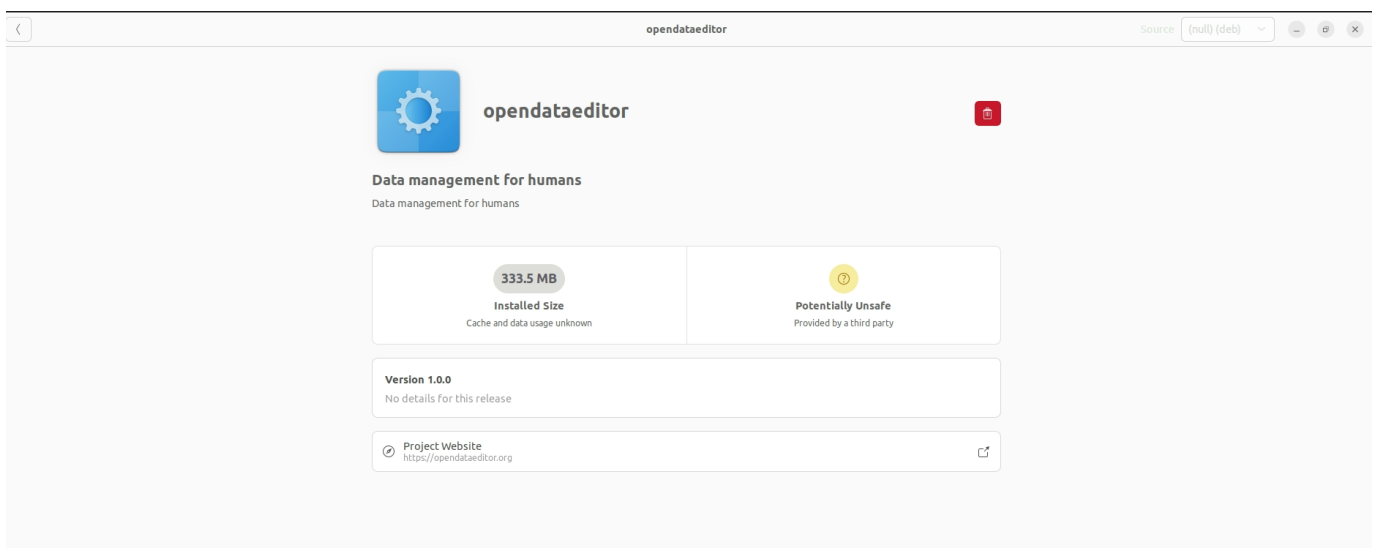


Ts'o'okole' ka ts'áaik ka'apéel kliik yóok'ol le áarchibo uti'al u káajal le aplikasyoono'.

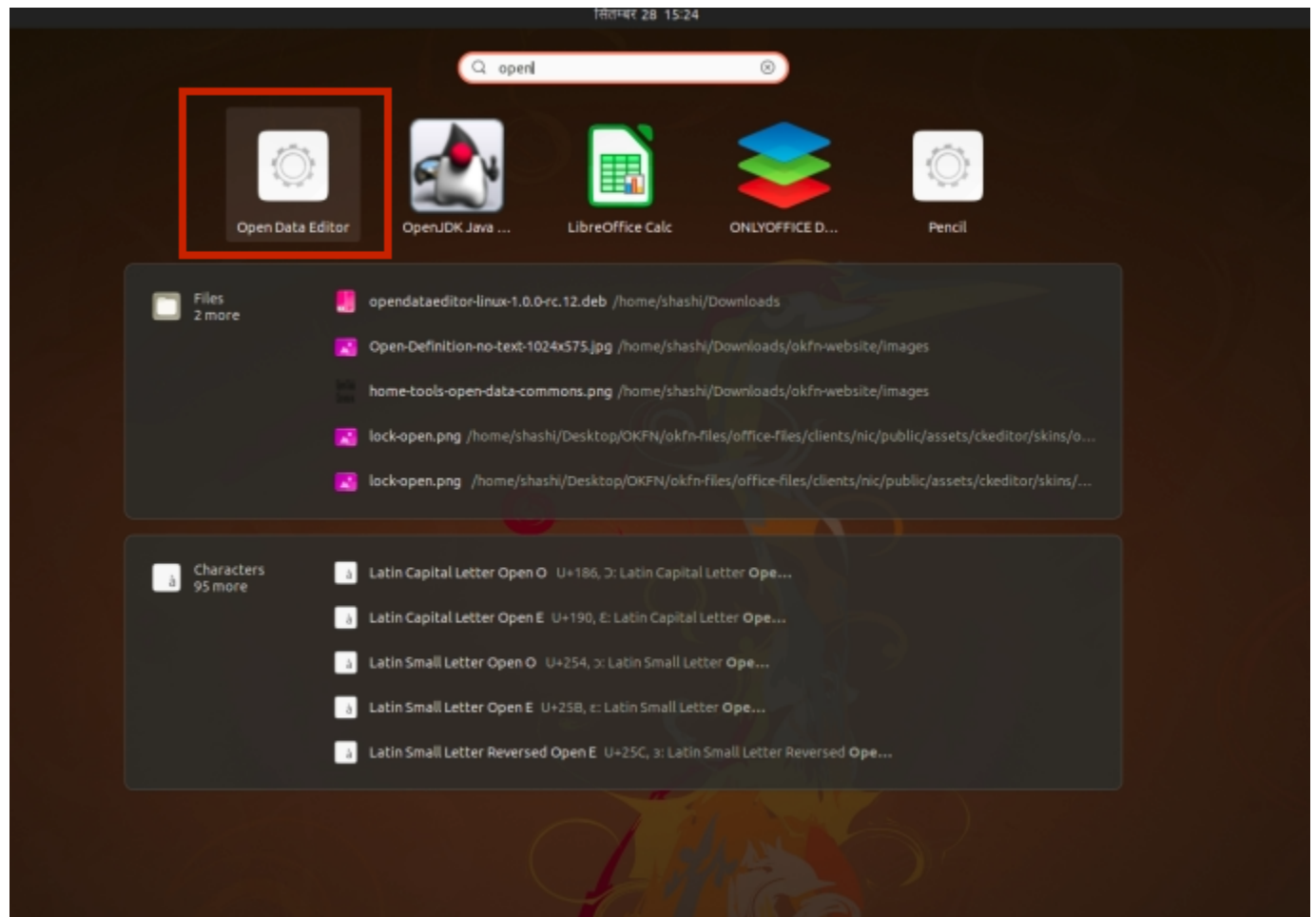
Ubuntu/Debian

Éens le áarchibo **DEB** maas túumbeno' je'elbix tso'ol te' yáax instruksyooneso'.

Ts'áa ka'ap'éel kliik yóok' le áarchiboo', yaan u káajal u yúuchul le instalasyoono'.



Yaan a wilik kéen ts'o'okok le instalasyoono'.



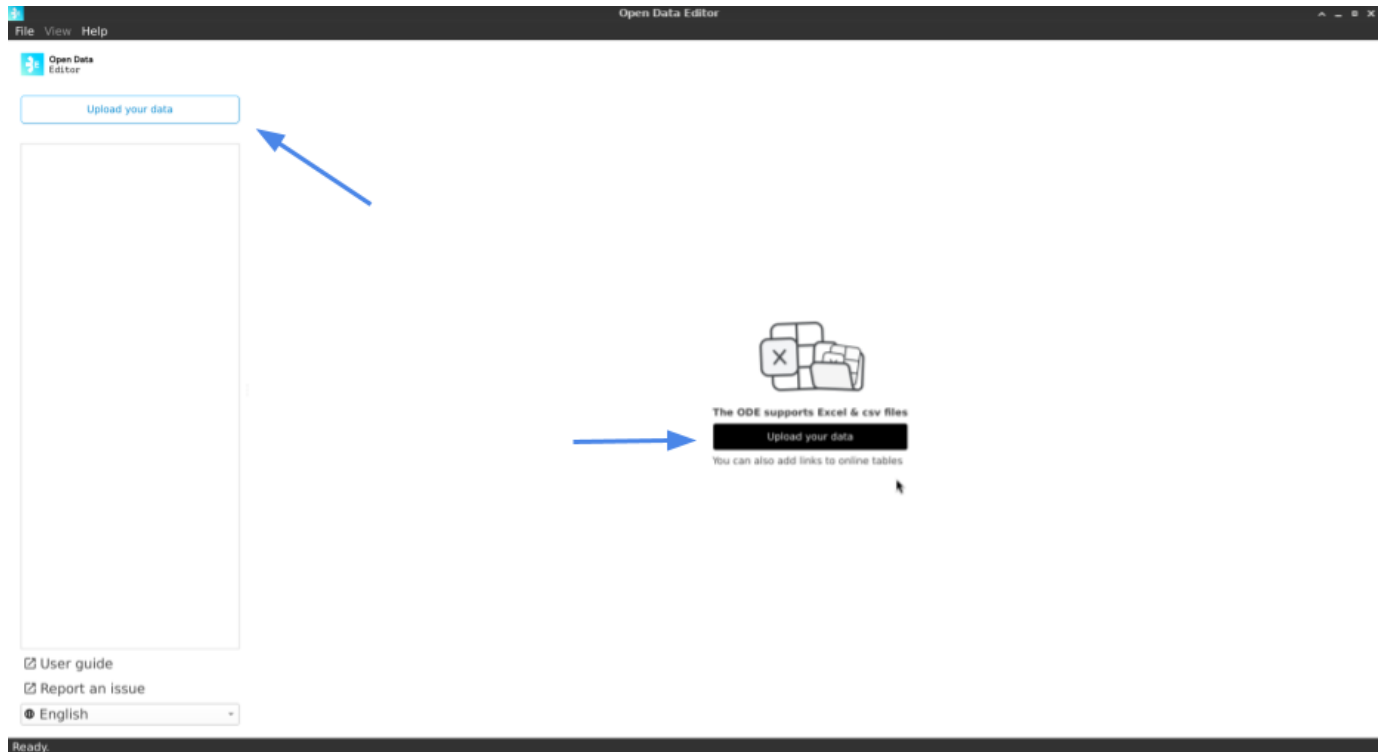
Ich Debiane', ju páajtal xan a instalaartik wa ka ts'áaik le komaando je'ela':

Replace <version> with the version you downloaded
`sudo dpkg -i opendataeditor-linux-<version>.deb`

U na'aksa'al daato'ob

Te' jaats je'ela' ku tso'olol bix ju páajtal u na'aksa'al ti' ODE áarchibo'ob taabulaar, káarpetaob yéetel taablas yéetel daato'ob enliinyae'. Le nu'ukulo' ku k'amik ujeel formaato'ob je'elbix PDF, JPEG, ichil ujeelo'ob. Ba'ale', k'a'ajsej, u nojmeyaj ODEe' lete' u kaxtik éerroro'ob ich áarchibo'ob taabulaaro'obo', le prograamaa' **CHÉEN** u biista preebyail taablaob ken u ye'esej.

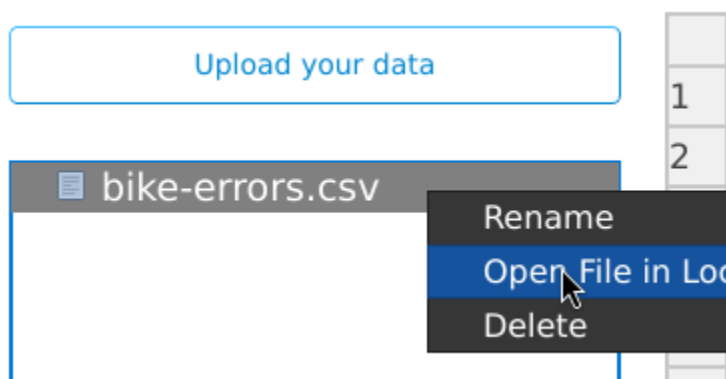
U na'aksa'al daato'ob ti' ODE séeb! Le kéen instalaarta'ak le aap yéetel kéen je'epajak ta laptope', yaan a wilik le páantayaa':



Uti'al u káajal u ts'áabal áarchibo'ob/káarpetaob ti' le aapo' ju páajtal a ts'áa kliik yóok'ol le boton **Upload your data**, te' yan tu chuumukil le páantayao' wa te' boton yan ka'anal tu ts'iik le baarra lateraalo'.

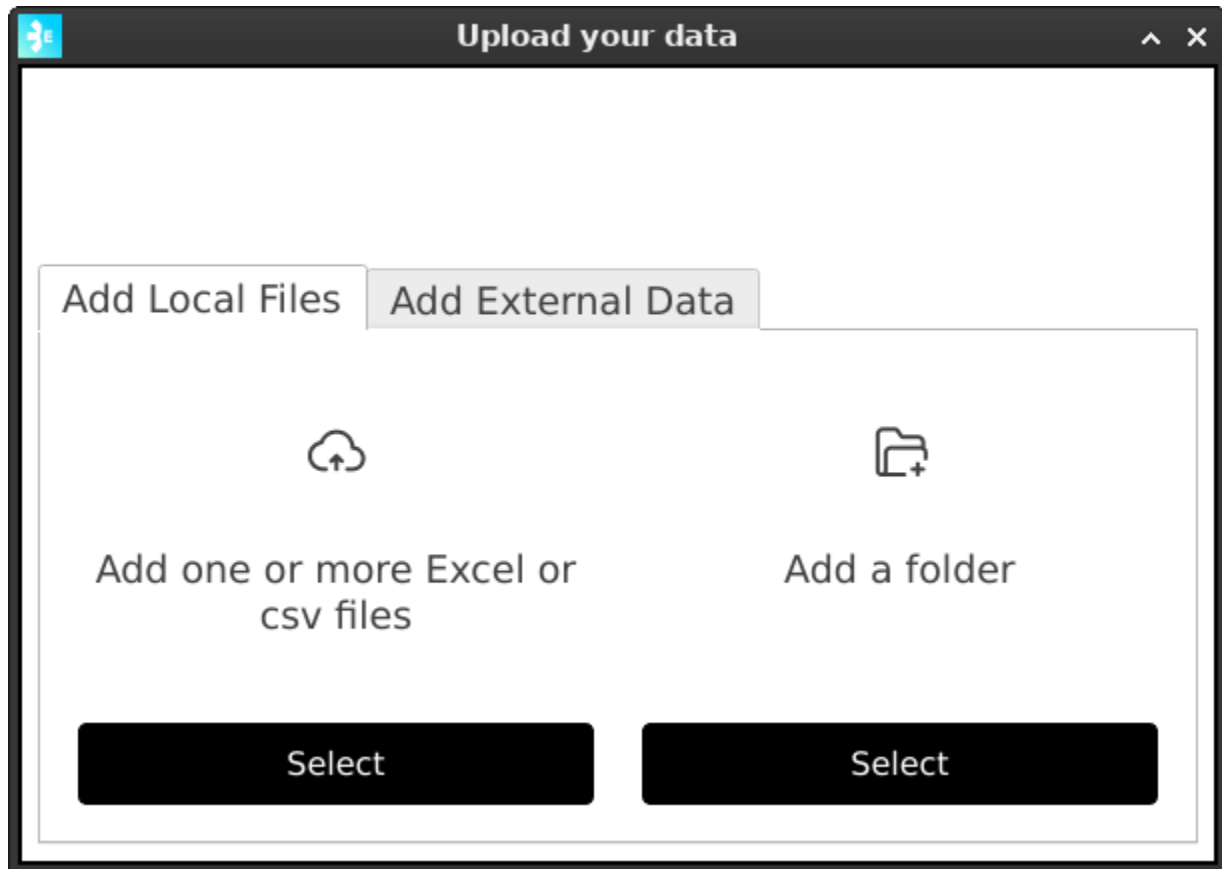
Noota

Jujunmáal a na'aksik jump'éeel áarchibo wa káarpeta ti' ODEe' le prograamao' ma' táan u jelbesik le áarchibo/káarpeta orijinaalo'. Yaan u meeta'al jump'éeel u koopyail le áarchiboo' yéetel yaan u ts'áabal ichil u káarpeta le prograama ta koomputadoora'. Le kéen káargarta'ak le áarchiboo', ju páajtal a ts'áaik kliik-dereecho yóok'ol le áarchibo/káarpetao', ts'o'okole' ka yéeyik **Open Location**. Wa ka meetik beya', ODEe' yaan u túuxtikech jach tu'ux líik'sa'an u koopyail le áarchiboo'.



Áarchibo'ob yéetel káarpetaob Excel, CSV

Le kéen a ts'áa kliik ti' **Upload your data**, ODEe' yaan u jóok'sik le méensajea'. Wa taak a na'aksik áarchibo'ob wa káarpetae', ju páajtal te' jaats **From your Computero'**. Wa taak a táakbesik taablas yan enliinyae', ju páajtal te' **Add External Datao'**.



Yaan a wilik yaan ka'ap'éel opsyoon ich jaats **From your computer**. Uti'al a táakbesik áarchibo'obe', ts'áa kliik ti' **Select** yan ich **Add one or more Excel or csv files**. Wa taak a táakbesik jump'éel wa ya'ab káarpetase', ts'áa kliik ti' **Select** te' **Add one or more folderso'**.

Le kéen ts'o'okok u táakbesa'al áarchibo'obe', ODEe' yaan u chiikbesik a daato'ob tu baarra lateraalil le prograamao'.

Open Data Editor

File View Help

Open Data Editor

Upload your data

bike-errors.csv

Errors Report 1

Source code

AI Export Save changes

1	2	3	4	5
id	brand	model	price	stock
1	Trek	Domane SL6	3500	12
2	Giant	Defy ...	2800	8
3	Specialized	Allez Sprint		15
4	Cannondale	CAAD13	2200	ten
5	Scott	Addict RC	4100	9
6	Canyon		3700	11
7	Bianchi	Infinito CV	4900	
8	Merida	Reacto 4000	3100	7
9				
10	Fuji	Transonic 2.3	2900	5
11	Santa Cruz	Hightower	6200	3
12		Tarmac SL7	4800	6
13	Orbea	Avant H30	1850	20
14	Polygon	Helios ABX	2500	
15	Trek	Marlin 7	950	22
16	Giant	Talon 1	1050	17
17	Bianchi	Oltre XR4	N/A	10
18	Canyon	Endurace ...	3400	8
19	Scott	Scale 965	1500	13
20	Merida	Silex 400	1900	12
21				
22				

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Read and error checking finished.

K'a'ajsej, le táan u na'aksik a daato'obe', le prograamao' ku chekaartik a áarchibo'ob yéetel káarpetaob uti'al u kaxtik éerroro'ob yéetel u reeglasil balidasyoob ts'a'an men [Frictionless](#). Uti'al a kanik u maasile', je'el a xokik u **Túulis liistail u éerrorilo'ob taabla kaxta'abo'ob** yan ich le giyyaa'.

K'a'ajs yaan u k'a'abettal a ts'áaik kliik ti' le káarpetao' yéetel a yéeyik le áarchibo taak a wilik te' páantayao', tumen jump'élili' áarchibo ku ye'esk'ajal tu kwadriikulail daato'ob le kéen a na'aks káarpetaob yéetel kéen ts'o'okok u táakbesa'al áarchiboo'. Le kéen a ts'áa kliik yóok'ol jump'élil áarchiboo', ODEe' yaan u káajsik u balidaartik a daato'ob (uti'al u kaxtik éerror), ts'o'okole' yaan u ye'espajal le taabla te' aapo'.

Taabla publikaarta'an enliinya

ODEe' ku cha'ik u na'aksa'al taablaob enliinya men le uswaaryo'obo'. Ju páajtal a káargartik áarchibo'ob ku taalo'ob ti' jáalk'abe'en kúuchilo'ob, Google Sheets wa u taablailo'ob a repositooryo GitHub.

Uti'al u káargarta'al taabla yan enliinyae', yáax ts'áa kliik tu botonil **Upload your data**, ts'o'okole' yéey le jaats **Add External Datao'**.

Upload your data^×

Add Local Files

Add External Data

Link to the external table:

Enter or paste URL

Paste your Google Sheet or csv link to create a local copy in the Open Data Editor

Add

Beora', ts'íibt wa tak' u liigail le taablao', ts'o'okole' ts'áa kliik tu botonil **Add**.

Upload your data

Add Local Files

Add External Data

Link to the external table:

5pjaGhyyvQaBN0n6ae-iLCtlvsO1N2jhA/edit?gid=0#gid=0

Paste your Google Sheet or csv link to create a local copy in the Open Data Editor

Add

Kéen ts'o'okok le je'elo', ODEe' yaan u káajal u chekaartik a áarchibo uti'al u kaxtik wa yaan éerror, ts'o'okole' yaan u ye'espajal le daataob te' páantaya prinsipaalo'.

Noota

Ma'ili' a na'aks a taabla yan enliinyae':

Wa táan a táakbesik jump'éeel u áarchiboil Google Sheetse', il a wil wa jach ts'a'an enliinya. Wa ma' a wojel bix u meeta'ale', moch xen [te' paajinaa](https://docs.google.com/spreadsheets/d/1dFVoF6f9VU5pjaGhyyvQaBN0n6ae-iLCtlvsO1N2jhA/edit?gid=0#gid=0) yéetel beet le ba'ax ku tso'olol te'elo'.

Uti'al Google Sheetse', il a wil a ts'áaik u bersyon puublikoil a áarchibo siinke u páalabrail HTML tu xuulo'. Je'elbix:



<https://docs.google.com/spreadsheets/d/1dFVoF6f9VU5pjaGhyyvQaBN0n6ae-iLCtlvsO1N2jhA/edit?gid=0#gid=0>



https://docs.google.com/spreadsheets/d/e/2PACX-1vQ8w9yb7D-iYEBImb0WD4Kh53_Yp7H1VOi1bIMcicphWbkrrH9PobXCJhXt9frqyQ/pubhtml

Wa táan a eksportaartik a áarchiboil Google Sheets ti' CSV yéetel yaan kóolumnaob yéetel numero'obe', il a wil wa táan a usaartik "." uti'al le deesimaalo'ob lúugar le koomao'. Wa ma'e', Frictionless, u kóodigoil le ODEo' yaan u ch'a'ik le seeldaob yéetel numeroso' bey chéen teekstoe'.

Uti'al tuláakal taabla...

Il a wil wa utsil tsola'an a áarchibo (no'oja'an u formaatoil): k'a'abet yaan u k'aaba' jujump'éele le kóolumnao', k'a'abet mina'an ujeel fiila aantes u káajal le taablao', wa ujeel ba'alo'ob (je'elbix boordeob wa liinyas) naats' te' tu'ux yan le daato'ob tabulaaro'obo'.

Il a wil wa mina'an seeldaob kombinaadotako'ob ich le daato'ob tabulaaro'obo'. Máax meetik daato'ob ti' Jala'achilo'ob, yóok'olkaabil mola'ayo'ob beyxan repoorte inteernose' suuk u ts'áaiko'ob teseelaob, tsoolilo'ob, yéetel graafikos, ich le ooja de kaalkulo', je'elbix te'ela'. Wa yaan ujeel ba'alo'ob ta áarchiboe', ODEe' yaan u káargartik a áarchibo yéetel yaan u ye'esik ya'ab éerroro'ob.

Bix u yila'al éerror ich le taablase'

Je'elbix tso'ol tu jaats **Uploading data** le giiyaa', wa yaan éerror ti' jump'éele áarchiboe', ODEe' yaan a ch'íikbesik jump'éele chak puunto tu tséel u k'aaba' le áarchibo te' baarra lateraalo'. Ba'ale', wa taak a xak'altik le éerror ich le taablao', ju páajtal a wilik u kwadriikulail daato'ob uti'al u bin a wilik le daato'ob ma' no'oja'ano'obo'.

ODEe' yaan u chakkuunsik le seelda yaan probleema ti'o'. Je'elbix, wa yaan teeksto lúugar jump'éele numeroe'.

Bey u ye'espajal jump'éele seelda yéetel jump'éele éerror ich ODEa':

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1	2	3	4	5	6	7	8	9	10	11	12	
CarID	Make	Model	Year	Color	Price	Mileage	FuelType	Transmission	EngineSize	Horsepower	Torque	DriveType
1	Toyota	Camry	2022	Blue	26500	15000	Hybrid	Automatic	2.5L	203	184	FWD
2	Honda	Civic	2023	Red	24500	8000	Gasoline	CVT	2.0L	158	138	FWD
4												
5	Ford	F-150	2021	Black	42000	35000	Gasoline	Automatic	3.5L	400	470	4WD
6	Chevrolet	Equinox	2023	White	31500	12000	Gasoline	Automatic	1.5L	170	203	FWD
7	BMW	X5	2022	Gray	62500	18000	Diesel	Automatic	3.0L	335	479	AWD
8	Tesla	Model 3	2023		48900	9500	Electric	Automatic		283	307	RWD
9	Mercedes	C-Class	2022	Silver	45400	22000	Gasoline	Automatic	2.0L	255	273	RWD
10	Audi	Q5	2023	Blue	48500	14000	Gasoline	Automatic	2.0L	261	273	AWD
11	Nissan	Rogue	2022	Black	32900	19000	Gasoline	CVT	1.5L	201	225	FWD
12	Hyundai	Tucson	2023	Green	34500	11000	Hybrid	Automatic	1.6L	226	258	AWD
13	Kia	Sorento	2022	White	38500	24000	Hybrid	Automatic	1.6L	227	258	AWD
14	Subaru	Outback	2023	Gray	36500	13000	Gasoline	CVT	2.5L	182	176	AWD
15	Jeep	Grand ...	2022	Black	49500	28000	Gasoline	Automatic	3.6L	293	260	4WD
16	Model Y	2023	White	54900	8900	Electric	Automatic		384	376	AWD	
17	Ford	Mustang	2022	Red	42800	12500	Gasoline	Manual	5.0L	450	410	RWD
18	Chevrolet	Silverado	2023	Blue	45200	16000	Diesel	Automatic	3.0L	277	460	4WD
19	Toyota	RAV4	2022	Gray	33500	21000	Hybrid	Automatic	2.5L	219	163	AWD
20	Honda	CR-V	2023	Silver	35200	9500	Hybrid	CVT	2.0L	204	247	FWD
21	Ram	1500	2022	Black	47800	32000	Diesel	Automatic	3.0L	260	480	4WD
22	BMW	3 Series	2023	Blue	48900	7800	Gasoline	Automatic	2.0L	255	295	RWD
23	Mercedes	GLE	2022	White	61200	24500	Gasoline	Automatic	2.5L	362	369	AWD
24	Audi	A4	2023	Gray	42900	11000	Gasoline	Automatic	2.0L	201	236	AWD
25	Lexus	RX	2022	Black	52800	19500	Hybrid	Automatic	3.5L	308	247	AWD
26	Hyundai	Elantra	2023	Red	24500	8500	Gasoline	CVT	2.0L	147	132	FWD
27	Kia	Forte	2022	Blue	22800	14500	Gasoline	Automatic	2.0L	147	132	FWD
28	Subaru	Forester	2023	Green	32900	10200	Gasoline	CVT	2.5L	182	176	AWD
29	Jeep	Wrangler	2022	Yellow	42500	18500	Gasoline	Manual	3.6L	285	260	4WD

Read and error checking finished.

Je'el xan u béeytal a xak'altik le éerroro'ob wa ka ts'áaik kliik tu botonil **Errors Report** yan ka'anal tu ts'íik u kwadriikulail daato'obo'.

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	1	2	3	4	5	6	7	8	9	10	11	12	13
	CarID	Make	Model	Year	Color	Price	Mileage	FuelType	Transmission	EngineSize	Horsepower	Torque	DriveType
2	1	Toyota	Camry	2022	Blue	26500	15000	Hybrid	Automatic	2.5L	203	184	FWD
3	2	Honda	Civic	2023	Red	24500	8000	Gasoline	CVT	2.0L	158	138	FWD
4													
5	4	Ford	F-150	2021	Black	42000	35000	Gasoline	Automatic	3.5L	400	470	4WD
6	5	Chevrolet	Equinox	2023	White	31500	12000	Gasoline	Automatic	1.5L	170	203	FWD
7	6	BMW	X5	2022	Gray	62500	18000	Diesel	Automatic	3.0L	335	479	AWD
8	7	Tesla	Model 3	2023		48900	9500	Electric	Automatic		283	307	RWD
9	8	Mercedes	C-Class	2022	Silver	45400	22000	Gasoline	Automatic	2.0L	255	273	RWD
10	9	Audi	Q5	2023	Blue	48500	14000	Gasoline	Automatic	2.0L	261	273	AWD
11	10	Nissan	Rogue	2022	Black	32900	19000	Gasoline	CVT	1.5L	201	225	FWD
12	11	Hyundai	Tucson	2023	Green	34500	11000	Hybrid	Automatic	1.6L	226	258	AWD
13	12	Kia	Sorento	2022	White	38500	24000	Hybrid	Automatic	1.6L	227	258	AWD
14	13	Subaru	Outback	2023	Gray	36500	13000	Gasoline	CVT	2.5L	182	176	AWD
15	14	Jeep	Grand ...	2022	Black	49500	28000	Gasoline	Automatic	3.6L	293	260	4WD
16	15		Model Y	2023	White	54900	8900	Electric	Automatic		384	376	AWD
17	16	Ford	Mustang	2022	Red	42800	12500	Gasoline	Manual	5.0L	450	410	RWD
18	17	Chevrolet	Silverado	2023	Blue	45200	16000	Diesel	Automatic	3.0L	277	460	4WD
19	18	Toyota	RAV4	2022	Gray	33500	21000	Hybrid	Automatic	2.5L	219	163	AWD
20	19	Honda	CR-V	2023	Silver	35200	9500	Hybrid	CVT	2.0L	204	247	FWD
21	20	Ram	1500	2022	Black	47800	32000	Diesel	Automatic	3.0L	260	480	4WD
22	21	BMW	3 Series	2023	Blue	48900	7800	Gasoline	Automatic	2.0L	255	295	RWD
23	22	Mercedes	GLE	2022	White	61200	24500	Gasoline	Automatic	2.5L	362	369	AWD
24	23	Audi	A4	2023	Gray	42900	11000	Gasoline	Automatic	2.0L	201	236	AWD
25	24	Lexus	RX	2022	Black	52800	19500	Hybrid	Automatic	3.5L	308	247	AWD
26	25	Hyundai	Elantra	2023	Red	24500	8500	Gasoline	CVT	2.0L	147	132	FWD
27	26	Kia	Forte	2022	Blue	22800	14500	Gasoline	Automatic	2.0L	147	132	FWD
28	27	Subaru	Forester	2023	Green	32900	10200	Gasoline	CVT	2.5L	182	176	AWD
29	28	Jeep	Wrangler	2022	Yellow	42500	18500	Gasoline	Manual	3.6L	285	260	4WD

Read and error checking finished.

Le kéen a ts'áa klijk te' botono' ODEe' yaan u chíikbesik jump'éeel paanel yéetel u túulis liistail éerroro'ob.

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Empty row 1

This row has no data. Rows should contain at least one cell with data.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4															

Constraint Error 13

A field value does not conform to a constraint.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
8	7	Tesla	Model 3	2023		48900	9500	Electric	Autom...		283	307	RWD	5	4
16	15		Model Y	2023	White	54900	8900	Electric	Autom...		384	376	AWD	5	4
50	49	Hyundai	Kona	2023	Yellow	26500	10200	Electric	Autom...		201	290	FWD	5	4
84	83	BMW	i4	2023	Blue	56900	7800	Electric	Autom...		335	317	RWD	5	4
86	85	Audi	e-tron	2023	Silver	68900	6500	Electric	Autom...		355	414	AWD	5	4
89	88	Volksw...	ID.4	2022	Gray	42900	11200	Electric	Autom...		201	229	RWD	5	4
96	95	Chevrolet	Bolt EV	2023	Blue	28500	6500	Electric	Autom...		200	266	FWD	5	4
97	96	Nissan	Leaf	2022	White	28900	8900	Electric	Autom...		147	236	FWD	5	4
98	97	Hyundai	Ioniq 5	2023	Teal	45900	7800	Electric	Autom...		225	258	RWD	5	4
99	98	Kia	EV6	2022	Gray	48500	9200	Electric	Autom...		225	258	RWD	5	4
100	99	Rivian	R1T	2023	Yellow	78500	5600	Electric	Autom...		835	908	AWD	5	4

Read and error checking finished.

U editaarta’al éerror te’ taablaso’

Uti’al a wutskiintik éerroro’obe’, ju páajtal a editaartik le seeldas jumpáakili’ te’ bisor/editoro’.

Paaso 1: Il tu’ux yan le seelda yéetel éerroro’. Je’elbix:

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Save changes

1	2	3	4	5	6	7	8	9	10	11	12	1
CarID	Make	Model	Year	Color	Price	Mileage	FuelType	Transmission	EngineSize	Horsepower	Torque	DriveT
1	Toyota	Camry	2022	Blue	26500	15000	Hybrid	Automatic	2.5L	203	184	FWD
2	Honda	Civic	2023	Red	24500	8000	Gasoline	CVT	2.0L	158	138	FWD
4												
5	Ford	F-150	2021	Black	42000	35000	Gasoline	Automatic	3.5L	400	470	4WD
6	Chevrolet	Equinox	2023	White	31500	12000	Gasoline	Automatic	1.5L	170	203	FWD
7	BMW	X5	2022	Gray	62500	18000	Diesel	Automatic	3.0L	335	479	AWD
8	Tesla	Model 3	2023		48900	9500	Electric	Automatic		283	307	RWD
9	Mercedes	C-Class	2022	Silver	45400	22000	Gasoline	Automatic	2.0L	255	273	RWD
10	Audi	Q5	2023	Blue	48500	14000	Gasoline	Automatic	2.0L	261	273	AWD
11	Nissan	Rogue	2023	Black	32900	19000	Gasoline	CVT	1.5L	201	225	FWD
12	Hyundai	Tucson	2023	Green	34500	11000	Hybrid	Automatic	1.6L	226	258	AWD
13	Kia	Sorento	2022	White	38500	24000	Hybrid	Automatic	1.6L	227	258	AWD
14	Subaru	Outback	2023	Gray	36500	13000	Gasoline	CVT	2.5L	182	176	AWD
15	Jeep	Grand ...	2022	Black	49500	28000	Gasoline	Automatic	3.6L	293	260	4WD
16		Model Y	2023	White	54900	8900	Electric	Automatic		384	376	AWD
17	Ford	Mustang	2022	Red	42800	12500	Gasoline	Manual	5.0L	450	410	RWD
18	Chevrolet	Silverado	2023	Blue	45200	16000	Diesel	Automatic	3.0L	277	460	4WD
19	Toyota	RAV4	2022	Gray	33500	21000	Hybrid	Automatic	2.5L	219	163	AWD
20	Honda	CR-V	2023	Silver	35200	9500	Hybrid	CVT	2.0L	204	247	FWD
21	Ram	1500	2022	Black	47800	32000	Diesel	Automatic	3.0L	260	480	4WD
22	BMW	3 Series	2023	Blue	48900	7800	Gasoline	Automatic	2.0L	255	295	RWD
23	Mercedes	GLE	2022	White	61200	24500	Gasoline	Automatic	2.5L	362	369	AWD
24	Audi	A4	2023	Gray	42900	11000	Gasoline	Automatic	2.0L	201	236	AWD
25	Lexus	RX	2022	Black	52800	19500	Hybrid	Automatic	3.5L	308	247	AWD
26	Hyundai	Elantra	2023	Red	24500	8500	Gasoline	CVT	2.0L	147	132	FWD
27	Kia	Forte	2022	Blue	22800	14500	Gasoline	Automatic	2.0L	147	132	FWD
28	Subaru	Forester	2023	Green	32900	10200	Gasoline	CVT	2.5L	182	176	AWD
29	Jeep	Wrangler	2022	Yellow	42500	18500	Gasoline	Manual	3.6L	285	260	4WD

Read and error checking finished.

Paaso 2: Ts'aa ka'ap'éeł kliš yóok' le seeldao' uti'al u káajal a k'exbesik.

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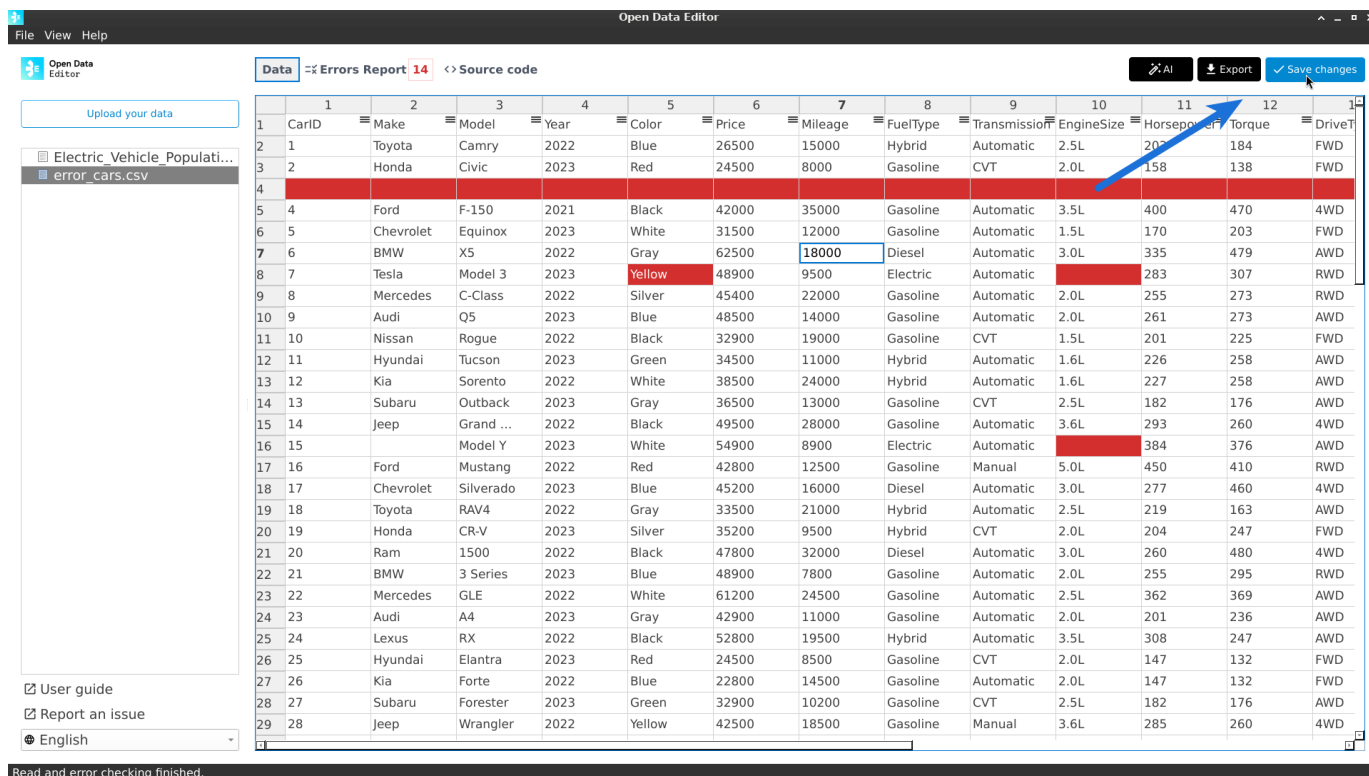
Export

Save changes

1	2	3	4	5	6	7	8	9	10	11	12	
CarID	Make	Model	Year	Color	Price	Mileage	FuelType	Transmission	EngineSize	Horsepower	Torque	DriveT
1	Toyota	Camry	2022	Blue	26500	15000	Hybrid	Automatic	2.5L	203	184	FWD
2	Honda	Civic	2023	Red	24500	8000	Gasoline	CVT	2.0L	158	138	FWD
4												
5	Ford	F-150	2021	Black	42000	35000	Gasoline	Automatic	3.5L	400	470	4WD
6	Chevrolet	Equinox	2023	White	31500	12000	Gasoline	Automatic	1.5L	170	203	FWD
7	BMW	X5	2022	Gray	62500	18000	Diesel	Automatic	3.0L	335	479	AWD
8	Tesla	Model 3	2023		48900	9500	Electric	Automatic		283	307	RWD
9	Mercedes	C-Class	2022	Silver	45400	22000	Gasoline	Automatic	2.0L	255	273	RWD
10	Audi	Q5	2023	Blue	48500	14000	Gasoline	Automatic	2.0L	261	273	AWD
11	Nissan	Rogue	2022	Black	32900	19000	Gasoline	CVT	1.5L	201	225	FWD
12	Hyundai	Tucson	2023	Green	34500	11000	Hybrid	Automatic	1.6L	226	258	AWD
13	Kia	Sorento	2022	White	38500	24000	Hybrid	Automatic	1.6L	227	258	AWD
14	Subaru	Outback	2023	Gray	36500	13000	Gasoline	CVT	2.5L	182	176	AWD
15	Jeep	Grand ...	2022	Black	49500	28000	Gasoline	Automatic	3.6L	293	260	4WD
16		Model Y	2023	White	54900	8900	Electric	Automatic		384	376	AWD
17	Ford	Mustang	2022	Red	42800	12500	Gasoline	Manual	5.0L	450	410	RWD
18	Chevrolet	Silverado	2023	Blue	45200	16000	Diesel	Automatic	3.0L	277	460	4WD
19	Toyota	RAV4	2022	Gray	33500	21000	Hybrid	Automatic	2.5L	219	163	AWD
20	Honda	CR-V	2023	Silver	35200	9500	Hybrid	CVT	2.0L	204	247	FWD
21	Ram	1500	2022	Black	47800	32000	Diesel	Automatic	3.0L	260	480	4WD
22	BMW	3 Series	2023	Blue	48900	7800	Gasoline	Automatic	2.0L	255	295	RWD
23	Mercedes	GLE	2022	White	61200	24500	Gasoline	Automatic	2.5L	362	369	AWD
24	Audi	A4	2023	Gray	42900	11000	Gasoline	Automatic	2.0L	201	236	AWD
25	Lexus	RX	2022	Black	52800	19500	Hybrid	Automatic	3.5L	308	247	AWD
26	Hyundai	Elantra	2023	Red	24500	8500	Gasoline	CVT	2.0L	147	132	FWD
27	Kia	Forte	2022	Blue	22800	14500	Gasoline	Automatic	2.0L	147	132	FWD
28	Subaru	Forester	2023	Green	32900	10200	Gasoline	CVT	2.5L	182	176	AWD
29	Jeep	Wrangler	2022	Yellow	42500	18500	Gasoline	Manual	3.6L	285	260	4WD

Read and error checking finished.

Paaso 3: Uti'al u líik'sa'al ba'ax ts'o'ok a k'exiko' ts'áa kliik tujeel tu'ux ich le taablao' uti'al u aaktibaar u botonil **Save changes**, ka ts'áaik kliiki'. Le botono' yaan u aaktibaar wa yaan ba'al k'e'exij, ba'ale' ma' líik'sa'ani'.



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	1	2	3	4	5	6	7	8	9	10	11	12	13
	CarID	Make	Model	Year	Color	Price	Mileage	FuelType	Transmission	EngineSize	Horsepower	Torque	DriveT
1	1	Toyota	Camry	2022	Blue	26500	15000	Hybrid	Automatic	2.5L	207	184	FWD
2	2	Honda	Civic	2023	Red	24500	8000	Gasoline	CVT	2.0L	158	138	FWD
3	3												
4	4	Ford	F-150	2021	Black	42000	35000	Gasoline	Automatic	3.5L	400	470	4WD
5	5	Chevrolet	Equinox	2023	White	31500	12000	Gasoline	Automatic	1.5L	170	203	FWD
6	6	BMW	X5	2022	Gray	62500	18000	Diesel	Automatic	3.0L	335	479	AWD
7	7	Tesla	Model 3	2023	Yellow	48900	9500	Electric	Automatic		283	307	RWD
8	8	Mercedes	C-Class	2022	Silver	45400	22000	Gasoline	Automatic	2.0L	255	273	RWD
9	9	Audi	Q5	2023	Blue	48500	14000	Gasoline	Automatic	2.0L	261	273	AWD
10	10	Nissan	Rogue	2022	Black	32900	19000	Gasoline	CVT	1.5L	201	225	FWD
11	11	Hyundai	Tucson	2023	Green	34500	11000	Hybrid	Automatic	1.6L	226	258	AWD
12	12	Kia	Sorento	2022	White	38500	24000	Hybrid	Automatic	1.6L	227	258	AWD
13	13	Subaru	Outback	2023	Gray	36500	13000	Gasoline	CVT	2.5L	182	176	AWD
14	14	Jeep	Grand ...	2022	Black	49500	28000	Gasoline	Automatic	3.6L	293	260	4WD
15	15		Model Y	2023	White	54900	8900	Electric	Automatic		384	376	AWD
16	16	Ford	Mustang	2022	Red	42800	12500	Gasoline	Manual	5.0L	450	410	RWD
17	17	Chevrolet	Silverado	2023	Blue	45200	16000	Diesel	Automatic	3.0L	277	460	4WD
18	18	Toyota	RAV4	2022	Gray	33500	21000	Hybrid	Automatic	2.5L	219	163	AWD
19	19	Honda	CR-V	2023	Silver	35200	9500	Hybrid	CVT	2.0L	204	247	FWD
20	20	Ram	1500	2022	Black	47800	32000	Diesel	Automatic	3.0L	260	480	4WD
21	21	BMW	3 Series	2023	Blue	48900	7800	Gasoline	Automatic	2.0L	255	295	RWD
22	22	Mercedes	GLE	2022	White	61200	24500	Gasoline	Automatic	2.5L	362	369	AWD
23	23	Audi	A4	2023	Gray	42900	11000	Gasoline	Automatic	2.0L	201	236	AWD
24	24	Lexus	RX	2022	Black	52800	19500	Hybrid	Automatic	3.5L	308	247	AWD
25	25	Hyundai	Elantra	2023	Red	24500	8500	Gasoline	CVT	2.0L	147	132	FWD
26	26	Kia	Forte	2022	Blue	22800	14500	Gasoline	Automatic	2.0L	147	132	FWD
27	27	Subaru	Forester	2023	Green	32900	10200	Gasoline	CVT	2.5L	182	176	AWD
28	28	Jeep	Wrangler	2022	Yellow	42500	18500	Gasoline	Manual	3.6L	285	260	4WD
29	29												

Read and error checking finished.

Kéen a ts'áa kliik tu botonil **Save changes**o', ODEe' yaan u túumbenkuunsik u Repoorteil Éerror.

U tu'upul áarchibo wa káarpeta

Uti'al a tupik jump'éeel áarchibo wa káarpetae', ts'áa kliik yóok' le óoxp'éeel puunto yan tu tséel u k'aaba' le áarchibo/káarpetao', ts'o'okole' yéey **Delete**.

Open Data Editor

File View Help

Data Errors Report 14 Source code

Upload your data

Electric_Vehicle_Populati... error_cars.csv

Rename
Open File in Location
Delete

	1	2	3	4	5	6	7	8	9	10	11	12
	CarID	Make	Model	Year	Color	Price	Mileage	FuelType	Transmission	EngineSize	Horsepower	Torque
1	1	Toyota	Camry	2022	Blue	26500	15000	Hybrid	Automatic	2.5L	203	184
2	2	Honda	Civic	2023	Red	24500	8000	Gasoline	CVT	2.0L	158	138
3												
4		Ford	F-150	2021	Black	42000	35000	Gasoline	Automatic	3.5L	400	470
5		Chevrolet	Equinox	2023	White	31500	12000	Gasoline	Automatic	1.5L	170	203
6	6	BMW	X5	2022	Gray	62500	18000	Diesel	Automatic	3.0L	335	479
7	7	Tesla	Model 3	2023		48900	9500	Electric	Automatic		283	307
8	8	Mercedes	C-Class	2022	Silver	45400	22000	Gasoline	Automatic	2.0L	255	273
9	9	Audi	Q5	2023	Blue	48500	14000	Gasoline	Automatic	2.0L	261	273
10	10	Nissan	Rogue	2022	Black	32900	19000	Gasoline	CVT	1.5L	201	225
11	11	Hyundai	Tucson	2023	Green	34500	11000	Hybrid	Automatic	1.6L	226	258
12	12	Kia	Sorento	2022	White	38500	24000	Hybrid	Automatic	1.6L	227	258
13	13	Subaru	Outback	2023	Gray	36500	13000	Gasoline	CVT	2.5L	182	176
14	14	Jeep	Grand ...	2022	Black	49500	28000	Gasoline	Automatic	3.6L	293	260
15	15		Model Y	2023	White	54900	8900	Electric	Automatic		384	376
16	16	Ford	Mustang	2022	Red	42800	12500	Gasoline	Manual	5.0L	450	410
17	17	Chevrolet	Silverado	2023	Blue	45200	16000	Diesel	Automatic	3.0L	277	460
18	18	Toyota	RAV4	2022	Gray	33500	21000	Hybrid	Automatic	2.5L	219	163
19	19	Honda	CR-V	2023	Silver	35200	9500	Hybrid	CVT	2.0L	204	247
20	20	Ram	1500	2022	Black	47800	32000	Diesel	Automatic	3.0L	260	480
21	21	BMW	3 Series	2023	Blue	48900	7800	Gasoline	Automatic	2.0L	255	295
22	22	Mercedes	GLE	2022	White	61200	24500	Gasoline	Automatic	2.5L	362	369
23	23	Audi	A4	2023	Gray	42900	11000	Gasoline	Automatic	2.0L	201	236
24	24	Lexus	RX	2022	Black	52800	19500	Hybrid	Automatic	3.5L	308	247
25	25	Hyundai	Elantra	2023	Red	24500	8500	Gasoline	CVT	2.0L	147	132
26	26	Kia	Forte	2022	Blue	22800	14500	Gasoline	Automatic	2.0L	147	132
27	27	Subaru	Forester	2023	Green	32900	10200	Gasoline	CVT	2.5L	182	176
28	28	Jeep	Wrangler	2022	Yellow	42500	18500	Gasoline	Manual	3.6L	285	260
29												

Read and error checking finished.

Túulis liistail éerror kaxta'an

Te'ela' ku tso'olol le éerror ju páajtal u kaxta'al men ODE le kéen na'aksa'ak taabla te' aapo'. Tuláakal le éejemploso' ch'a'an ti' áarchibo'ob CSV.

Noota

Yaan junmúuch' éerror je'el u chíikpajal ti' ujeel klaase áarchibo je'elbix Excele', ba'ale' yaan éerre' ma' táan u chíikpajal ich ujeel klaase áarchibo.

Uti'al u tso'olol yéetel u na'ata'al ba'ax le éerroro'obo', k'a'abet u ye'esa'al ba'alo'ob k'a'abet ich u wíinkilil le taablaso'.

- Jump'éeel taabla normale' yaan jump'éeel **fiila de enkabesaado** ti' (tu'ux yan u k'aaba' le kolumnaobo'), **fiilaob** yéetel **seeldaob**.
- Ku ya'ala'al xan **etikeetas** ti' le **seeldas tu'ux yan u k'aaba' le kóolumnaobo'**.
- Le **seeldas** yan te' fiilaobo' **báaloro'ob** u ya'ala'al.

Le taabla éejemploo' bey u ye'espajala':

[1] [header row] label 1 | label 2

[2] [data row] value 1 | value 2

[3] [data row] value 3 | value 4

Éerror ku kaxta'al awtomatikameente

Le éerror beya' ku yúuchul wa ma' tsola'an le daato'ob je'elbix suukile'. Je'elbix, wa ma' keet jayp'éel kóolumna yaan ich jump'éel fiila ti' jayp'éel kóolumna yaan te' enkabesaadoo'.

Xma'enkabesaadoil (Etikeeta ma' chuuptaki')

Le éerror je'ela' ku yúuchul wa ma' chuup le **fiila de enkabesaadoo'**. Tu fiilail enkabesaadoe' k'a'abet yaan u k'aaba' le kóolumnao'.

,
1,2
3,4

- [Il le éerror yéetel le áarchiboa'](#)

Bey ken u chíikbes le éerror ODEa':

Data  **Errors Report** **2**  **Source code**

	1	2
1		
2	1	2
3	3	4

Mina'an u k'aaba' jump'éel kóolumna

Le éerror je'ela' ku chíikbesa'al wa **mina'an u k'aaba' jump'éel wa ya'ab kóolumnaob.**

col1,
1,2
3,4

- [Il le éerror yéetel le áarchiboa'](#)

Bey ken u chíikbes le éerror ODEa':

Data  **Errors Report** **1**  **Source code**

	1	2
1	col1	
2	1	2
3	3	4

Kóolumnaob ígwál u k'aaba'ob

Le éerror je'ela' ku chíikbesa'al **wa ka'ap'éel wa maanal ti' ka'ap'éel kóolumna ígwál u k'aaba'ob**. Tuláakal kóolumnae' k'a'abet mix repetiido u k'aaba'i'.

col1,col1

1,2

3,4

- [Il le éerror yéetel le áarchiboa'](#)

Bey ken u chíikbes le éerror ODEa':

Data  **Errors Report** **1**  **Source code**

	1	2
1	col1	col1
2	1	2
3	3	4

Fiila ma' chupa'ani'

Le éerror je'ela' yaan u yúuchul wa yaan jump'éeel fiila ma' chupa'an ich le daato'obo'.

col1,col2

1,2

3,4

- [Il le éerror yéetel le áarchiboa'](#)

Bey ken u chíikbes le éerror ODEa':

Data  **Errors Report** **1**  **Source code**

	1	2
1	col1	col2
2	1	2
3		
4	3	4

Seeldaob saatalo'ob

Le éerror je'ela' yaan u yúuchul wa **yaan enkabesaado, ba'ale' yaan seeldas ma' chuuptaki'**.

col1,col2

1,2

3,4

5

Bey ken u chíikbes le éerror ODEa':

Data  **Errors Report** **1**  **Source code**

	1	2
1	col1	col2
2	1	2
3	3	4
4	5	

Maas ya'ab seeldaob

Le éerror je'ela' ku yúuchul wa maas ya'ab le seeldas kéet le enkabesaadoo'. K'a'abet keetel u seeldailo'ob tuláakal le fiilaob yéetel le enlabesaadoo'.

col1,col2

1,2

3,4

5,6,7

- [Il le éerror yéetel le áarchiboa'](#)

Bey ken u chíikbes le éerror ODEa':

Data  **Errors Report** **1**  **Source code**

	1	2	3
1	col1	col2	
2	1	2	
3	3	4	
4	5	6	7

Ma' keet u klaaseil daatoì'

Le éerror je'ela' ku yúuchul wa yaan **jump'éeel seelda yéetel jump'éeel báalor ma' no'oja'an u klaasei'**. Je'elbix jump'éeel seelda tu'ux yaan nuumeros lúugar jump'éeel teekstoe'.

col1,col2

1,2

3,4

5,6

7,8

9,10

11,12

13,14

15,16

17,18

19,20

21,bad

[Il le éerror yéetel le áarchiboa'](#)

Bey ken u chíikbes le éerror ODEa':

[Data](#)
[Errors Report](#)
1
[Source code](#)

	1	2
1	col1	col2
2	1	2
3	3	4
4	5	6
5	7	8
6	9	10
7	11	12
8	13	14
9	15	16
10	17	18
11	19	20
12	21	bad

Noota

Le éerror je'ela' ju páajtal u chíikpajal siinke u ts'áabal jump'éeel u Eskeemail Taablae', ba'ale' k'a'abet chan nonoj le daato'ob utstako'ob te' seeldaobo' uti'al u na'ata'al ba'ax klaase k'a'abeti'.

Éerror k'a'abet meetadaato'ob ti'.

Le éerror je'elo'oba' ju páajtal u yila'al chéen wa yaan jump'éeel Taabla Dyaleekto wa u Eskeemail Taabla kéen k'exbesa'ak u meetadaatoilo'ob le taablao'. Eskeemail Taablae' ku ye'esik bix tsola'anik le daato'obo', tak ba'ax klaaseil le kóolumnaobo'. Eskeemail Taablae' ku jets'ik ujeel restriksyoono'ob ti' le daato'obo', uti'al u balidaarta'al le daato'obo'.

U k'aaba' kóolumna chéen p'ata'an

Le éerror je'ela' ku yúuchul wa **yaan jump'éeel k'aaba' de enkabesaado ich le daato'ob bey ma' jets'a'an ich u Eskeemail le taablao'**. U Eskeemail le Taablao' k'a'abet u jets'ik tuláakal le kóolumna ich le daato'obo'.

kaampo'ob:

- name: col1

- name: col2

col1,col2,col3

1,2

3,4

Le seelda col3o' jump'éeel k'aaba' chéen p'ata'an.

U k'aaba' kóolumna mina'an

Le éerror je'ela' ku yúuchul wa **jump'éeel kóolumna' jets'a'an ichil u Eskeemail Taabla, ba'ale' mina'an tu fiilail enkabesaado**. Te' daato'obo' k'a'abet yaan tuláakal le kóolumnaob jets'a'an tu Eskeemail le Taablao'.

kaampo'ob:

- name: col1

- name: col2

- name: col3

col1,col2

1,2,3

4,5,6

Le seelda col3o' jump'éeel etikeeta **mina'an**.

U k'aaba' kóolumna k'aas

Le éerror je'ela ku yúuchul wa **u etikeetail enkabesaado ich le daato'obo' ma' keetel yéetel le etikeeta jets'a'an ichil u Eskeemail le Taablao'**. Le etikeetaobo' k'a'abet ígwaltak tu fiilail enkabesaado yéetel je'elbix jets'a'an tu Eskeemail Taablao'.

Kaampo'ob:

- name: col1

- name: col2

col1,col3

1,2

3,4

Le seelda col3o' jump'éeel etikeeta **k'aas**.

U éerroril Klaabe Primaarya

Le éerror je'ela' ku yúuchul wa **mu kúumplirta'al le klaabe primaarya jets'a'an tu Eskeemail Taablao'**. Le klaabe primaaryao' ku kanáantik jump'éeelili' le báaloro'ob te' kóolumna máarkarta'ano'obo'.

Kaampo'ob:

- name: col1

- name: col2

primaryKey: col1

col1,col2

1,2

1,4

Le seelda 1 **ich** le ka'ap'éeel fiilao' **ma'** jump'éeelili'i'.

U éerroril Táanxelil Klaabe

Le éerror je'ela' ku yúuchul wa **mu kúumplirta'al le táanxelil klaabe jets'a'an tu Eskeemail Taablao'**. U restriksyoonil táanxelil klaabee' ku kanáantik le báalor ich le kóolumnaob jets'a'ano'obo' yan ich ujeel taabla wa kex ku kúumplirtir u restriksyoonil awtorefereensya.

Kaampo'ob:

- name: col1

- name: col2

foreignKeys:

- fields: col2

reference:

fields: col1

col1,col2

1,2

2,4

Le seelda 4 **ich** le ka'ap'éeel fiila daato'obo' **mina'an ich** le kóolumna col1o'.

U éerroril restriksyoon Unique

Le éerror je'ela' ku yúuchul wa **le restriksyoon Uniqueo' mu kúumplirta'al je'elbix jets'a'an tu Eskeemail Taablao'**. Le restriksyoon Uniqueo' ku kanáantik chéen jump'éeelili' le báaloro'ob ich le kóolumnaob jets'a'ano'obo'.

Kaampo'ob:

```
- name: col1  
- name: col2  
unique: true
```

col1,col2

1,2

3,2

Le seelda 2 **ich** le ka'ap'éeel fiila daato'obo' **ma'** jump'éeelili'i'.

U éerroril reestriksyoon

Le éerror je'ela' ku yúuchul wa **mu kúumplirta'al jump'éeel reestriksyoon de kaampo jets'a'an tu Eskeemail Taabla.**

Xok u maasil yo'olal u reestriksyoonilo'ob u Eskeemail Taablaob:

<https://datapackage.org/standard/table-schema/#field-constraints>

Kaampo'ob:

```
- name: col1  
- name: col2  
constraints:  
- required: true
```

col1,col2

1,2

3

Le seelda 4 **ich** le ka'ap'éeel fiila daato'obe' **k'a'abet.**

Le reestriksyoono'oba' ju páajtal u je'ets'el ichil u Eskeemail Taablae' yéetel ku meyajta'al men Open Data Editor (xok le jaats yaan ka'anal ku t'aan yo'olal reestriksyoono'ob uniqueo').

- required

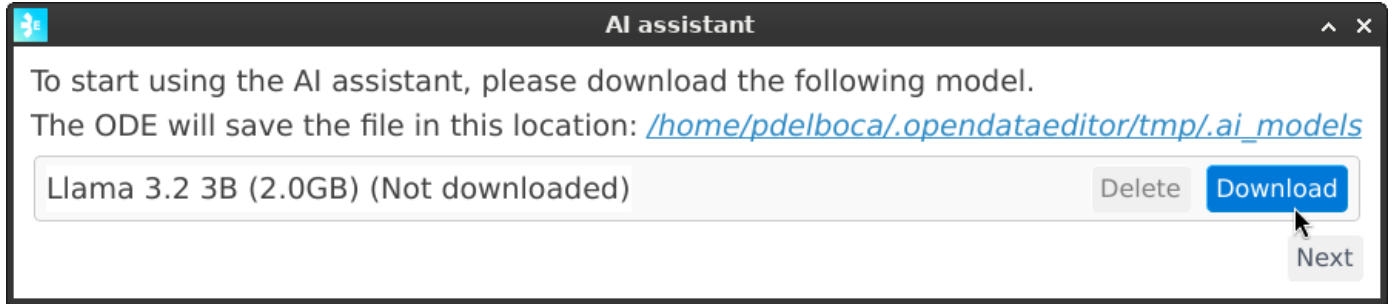
- enum
- minimum
- maximum
- minLength
- maxLength
- pattern

Bix ju páajtal u usaarta'al u nu'ukulil IAe'

Uti'al u usaarta'al le áantaj **IAe'**, yéey a áarchibo te' baarra lateraalo', ts'o'okole' ts'áa kliik yóok' u botonil IA yan tu ka'anal no'ojil le aapo':

The screenshot shows the Open Data Editor interface. On the left, there is a sidebar with a list of CSV files to upload, including 'blank-label.csv', 'blank-row.csv', 'duplicate-label.csv', 'Electric_Vehicle_Populati...', 'error_cars.csv', 'extra-cell.csv', 'first-row-empty.csv', 'header-missing.csv', 'missing-cell.csv', 'one-header-missing.csv', and 'wrong-data-type.csv'. Below this list are checkboxes for 'User guide' and 'Report an issue', and a language dropdown set to 'English'. The main area displays a data table with 12 columns: 1 (VIN), 2 (County), 3 (City), 4 (State), 5 (Postal Code), 6 (Model Year), 7 (Make), 8 (Model), 9 (Electric ...), 10 (Clean ...), 11 (Electric ...), and 12 (Base MSRP). The table contains 28 rows of data. In the top right corner, there are buttons for 'AI', 'Export', and 'Save changes'. A blue arrow points to the 'AI' button.

ODEe' yaan u ye'esik jump'éeel kwaadro de dyaalogo uti'al u yáantik le uswaaryo uti'al u yéensik le modeeloo'.



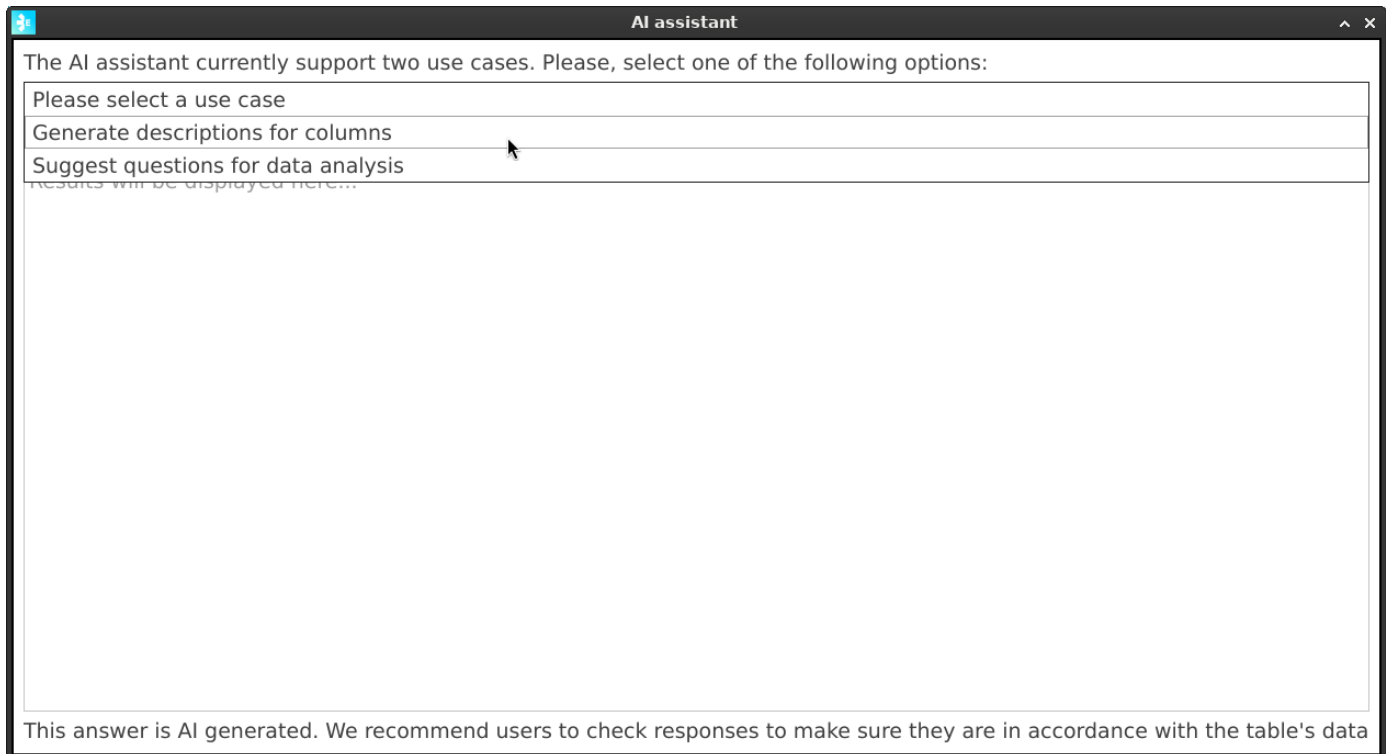
Le kéen éensa'ak le modeeloo', le uswaaryo'obo' ju páajtal u ts'áaiko'ob kliik tu botonil **Next** uti'al u séegiro'obe'.

U kaasosil u usaarta'al IA

Ti' ODEe' yaan ka'ap'éel bix u usaarta'al u nu'ukulil IA:

1. U yáantik uswaaryo'ob uti'al u na'atiko'ob bix yanik u kóolumnaob ti' jump'éel taabla.
2. U sujeriirtik anaalisis yéetel k'áatchi'ob ju páajtal u usaarta'al men uswaaryo'ob uti'al u xak'alta'al le daato'obo'.

Uti'al a yéeyik le kaasoo', yéey te' liista ku ch'íikpajalo'.



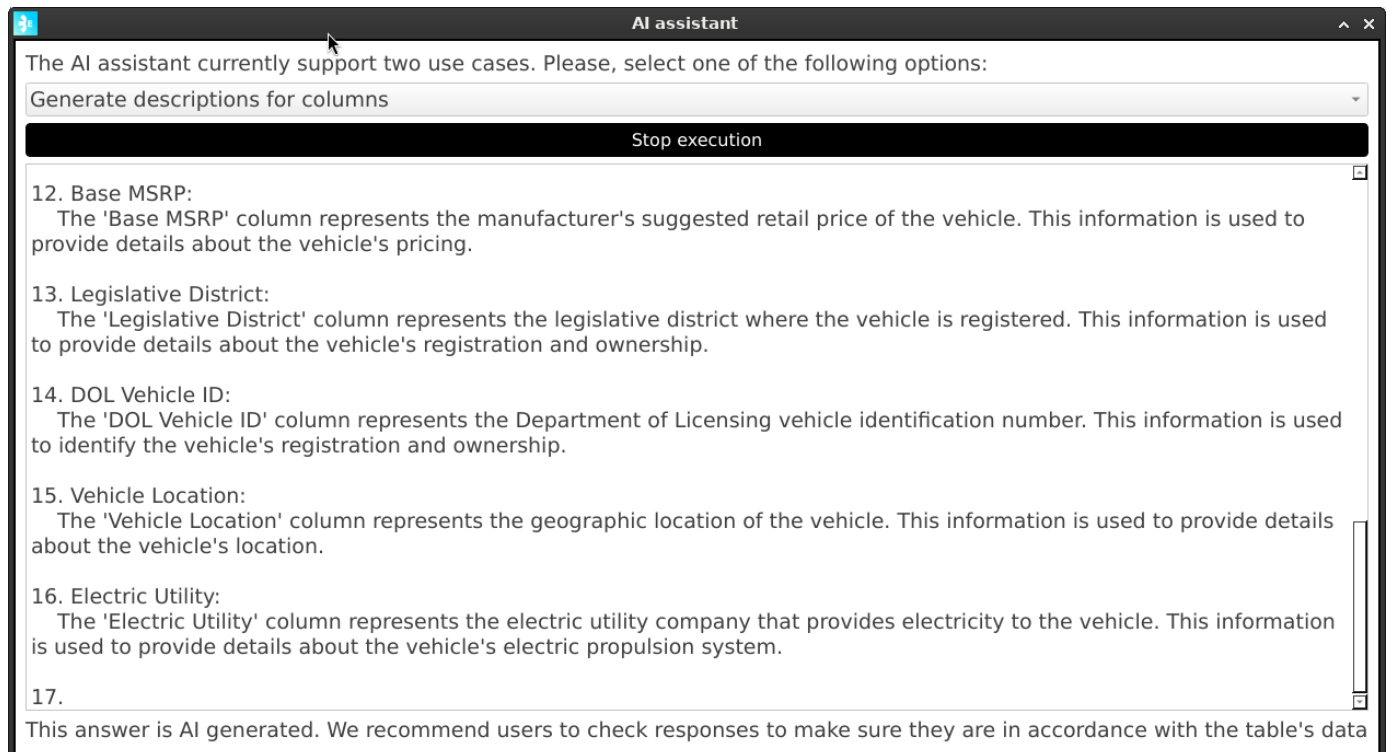
Le kéen yéeya'ake', ts'áa kliik tu botonil **Execute** uti'al ka núukak tech men le modeelo IAo'.

Noota

U xanil u meyaj le modeelo IAo' segun u hardware u maakina le uswaaryoobo'. U suukile', 10 seguundo ku xáantal u núukik.

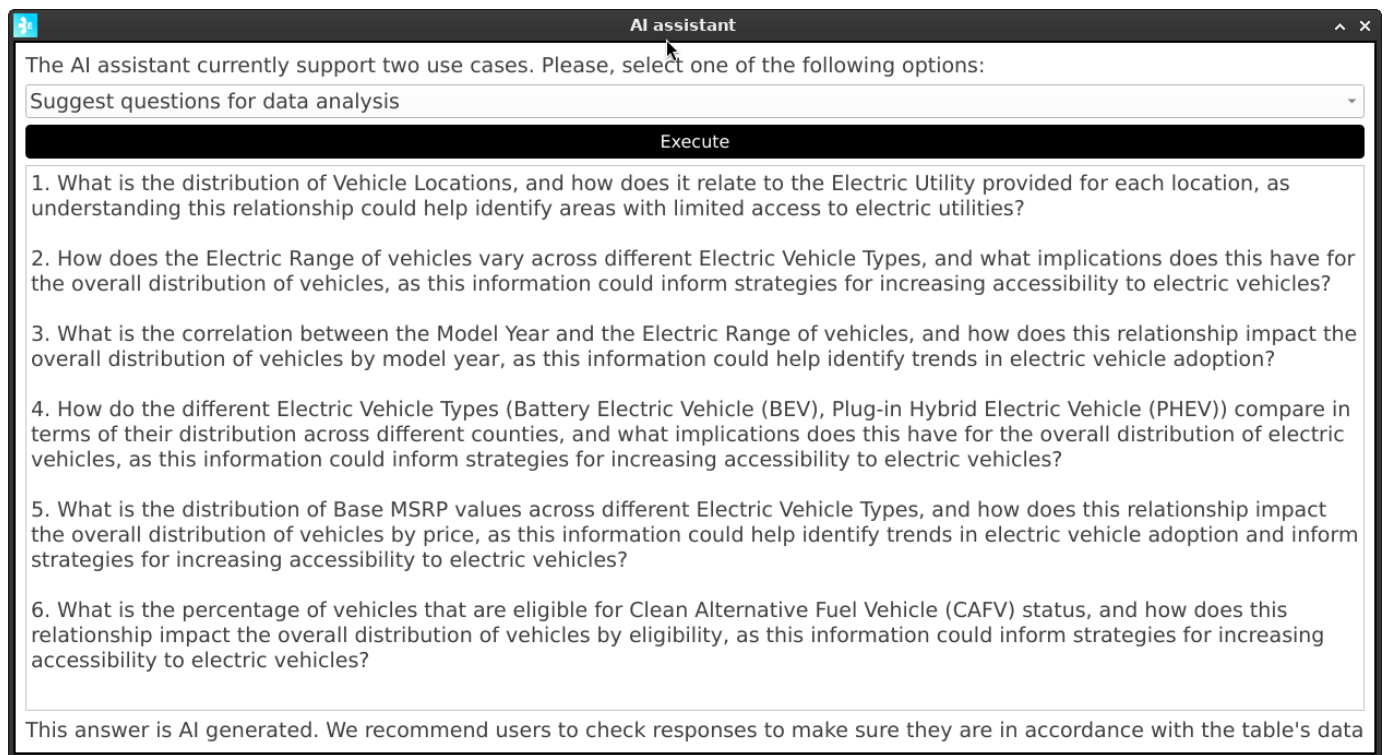
U yáanta'al le uswaaryo'ob uti'al u na'atiko'ob bix yanik u kóolumnailo'ob jump'éeel taablao'

Le modeelo IAo' yaan u analisaartik u k'aaba' le kóolumnaobo', u klaaseil daato'ob, beyxan yaan u yaankuunsik u tsoolil ba'ax yaan ich le kóolumnaso'. Le je'ela' k'a'abet uti'al u maas na'atk'ajal le daataso', u sáasiltal k'aaba' teekniko yéetel kóomplejotako'ob, u chóolk'ajal u k'aaba' akroonimo'ob, yéetel ujeelo'ob.



U sujeriirta'al anaalisis yéetel k'áatchi'ob ju usaarta'al men uswaaryo'ob uti'al u xak'altiko'ob le daato'obo'

Le modeelo IAo' yaan u analisaartik u k'aaba' le kóolumnaobo', u klaaseil daato'ob beyxan yaan u yaankuunsik jump'éeel liista k'áatchi'ob uti'al u usaarta'al men uswaaryo'ob uti'al u xak'altiko'ob le daato'obo'.



Bix u xak'alta'al yéetel u k'exbesa'al meetadaato'ob

Uti'al u xak'alta'al wa u k'exbesa'al meetadaato'obe', yéey jump'éeł áarchibo te' menuj yan te' ts'iiko' yéetel ts'áa kliik yóok' u seeldail u fiilail enkabesaado (yáax fila).

Open Data Editor

File View Help

Open Data Editor

Upload your data

- Electric_Vehicle_Populati...
- error_cars.csv
- header-missing.csv
- first-row-empty.csv
- blank-label.csv
- one-header-missing.csv
- duplicate-label.csv
- blank-row.csv
- missing-cell.csv
- extra-cell.csv
- wrong-data-type.csv

☒ User guide

☒ Report an issue

English

Read and error checking finished.

	1	2	3	4	5	6	7	8	9	10	11	12	
	VIN (1-10)	County	City	State	Postal Code	Model Year	Make	Model	Electric ...	Clean ...	Electric ...	Base MSRP	Le
1	5YJ3E1EB5K...	Yakima	Yakima	WA	98901	2019	TESLA	MODEL 3	Battery ...	Clean ...	220	0	15
2	1C4RJYK...	Kitsap	Port Orchard	WA	98367	2024	JEEP	WRANGLER	Plug-in ...	Not eligibl...	21	0	35
3	KND3D3LD...	Snohomish	Lynnwood	WA	98036	2022	KIA	NIRO	Plug-in ...	Not eligibl...	26	0	32
4	1JXKT0C37H...	King	Auburn	WA	98001	2017	BMW	X5	Plug-in ...	Not eligibl...	14	0	30
5	1N4AZ0CP...	Skagit	Mount ...	WA	98273	2013	NISSAN	LEAF	Battery ...	Clean ...	75	0	40
6	1N4BZ0CP...	Snohomish	Marysville	WA	98270	2016	NISSAN	LEAF	Battery ...	Clean ...	84	0	44
7	5YJSA1E26G...	Chelan	Manson	WA	98831	2016	TESLA	MODEL S	Battery ...	Clean ...	210	0	12
8	75AYGDEE7P...	Snohomish	Bothell	WA	98021	2023	TESLA	MODEL Y	Battery ...	Eligibility ...	0	0	1
9	1N4AZ0CP5F...	Snohomish	Edmonds	WA	98020	2015	NISSAN	LEAF	Battery ...	Clean ...	84	0	32
10	WP1AE2A2...	Snohomish	Everett	WA	98208	2016	PORSCHE	CAYENNE	Plug-in ...	Not eligibl...	14	0	44
11	5YJSA1E45K...	Kitsap	Port Orchard	WA	98366	2019	TESLA	MODEL S	Battery ...	Clean ...	270	0	26
12	5UXTA6CO...	Snohomish	Monroe	WA	98272	2021	BMW	X5	Plug-in ...	Clean ...	30	0	39
13	1G1FX6S06H...	Snohomish	Everett	WA	98208	2017	CHEVROLET	BOLT EV	Battery ...	Clean ...	238	0	44
14	5YJ3E1EB9K...	Yakima	Yakima	WA	98901	2019	TESLA	MODEL 3	Battery ...	Clean ...	220	0	15
15	LPSED3KA...	Snohomish	Bothell	WA	98012	2021	POLESTAR	PS2	Battery ...	Clean ...	233	0	44
16	KNDC33LG...	Snohomish	Edmonds	WA	98026	2020	KIA	NIRO	Battery ...	Clean ...	239	0	21
17	1N4AZ1CP1J...	Spokane	Spokane	WA	99223	2018	NISSAN	LEAF	Battery ...	Clean ...	151	0	6
18	1N4AZ0CP...	Snohomish	Snohomish	WA	98290	2013	NISSAN	LEAF	Battery ...	Clean ...	75	0	44
19	JN1BF0BA6P...	Snohomish	Everett	WA	98204	2023	NISSAN	ARIYA	Battery ...	Eligibility ...	0	0	21
20	JHMZC5F35J...	Snohomish	Everett	WA	98203	2018	HONDA	CLARITY	Plug-in ...	Clean ...	47	0	38
21	KNDC53LF4R...	Skagit	Anacortes	WA	98221	2024	KIA	NIRO	Plug-in ...	Clean ...	33	0	10
22	75AYGDEE4P...	Snohomish	Bothell	WA	98012	2023	TESLA	MODEL Y	Battery ...	Eligibility ...	0	0	1
23	5YJ3E1ETXR...	Yakima	Yakima	WA	98901	2024	TESLA	MODEL 3	Battery ...	Eligibility ...	0	0	15
24	5YJ3E1EB8K...	Kitsap	Bremerton	WA	98337	2019	TESLA	MODEL 3	Battery ...	Clean ...	220	0	26
25	5YJ3E1EB3K...	Fairfax	Burke	VA	22015	2019	TESLA	MODEL 3	Battery ...	Clean ...	220	0	
26	5YJ3E1EA0S...	Thurston	Olympia	WA	98513	2025	TESLA	MODEL 3	Battery ...	Eligibility ...	0	0	2
27	5YJ3E1EB5L...	Yakima	Yakima	WA	98901	2020	TESLA	MODEL 3	Battery ...	Clean ...	322	0	15
28	5YJ3E1EB5L...	Snohomish	Bothell	WA	98021	2020	TESLA	MODEL 3	Battery ...	Clean ...	322	0	1

ODE' yaan túun u chiikbesik u béentanail **Metadata**.

Open Data Editor

Column Name:

Data Type:

Description:

Flag empty cells as errors?:

Min. Characters in cells: Max. Characters in cell

Ju páajtal a ts'áaik kliik yóok' je'elba'ax opsyoonil uti'al u káajal a k'exbesik le meetadaato'ob yaan ba'al u yil yéetel a áarchiboo'.

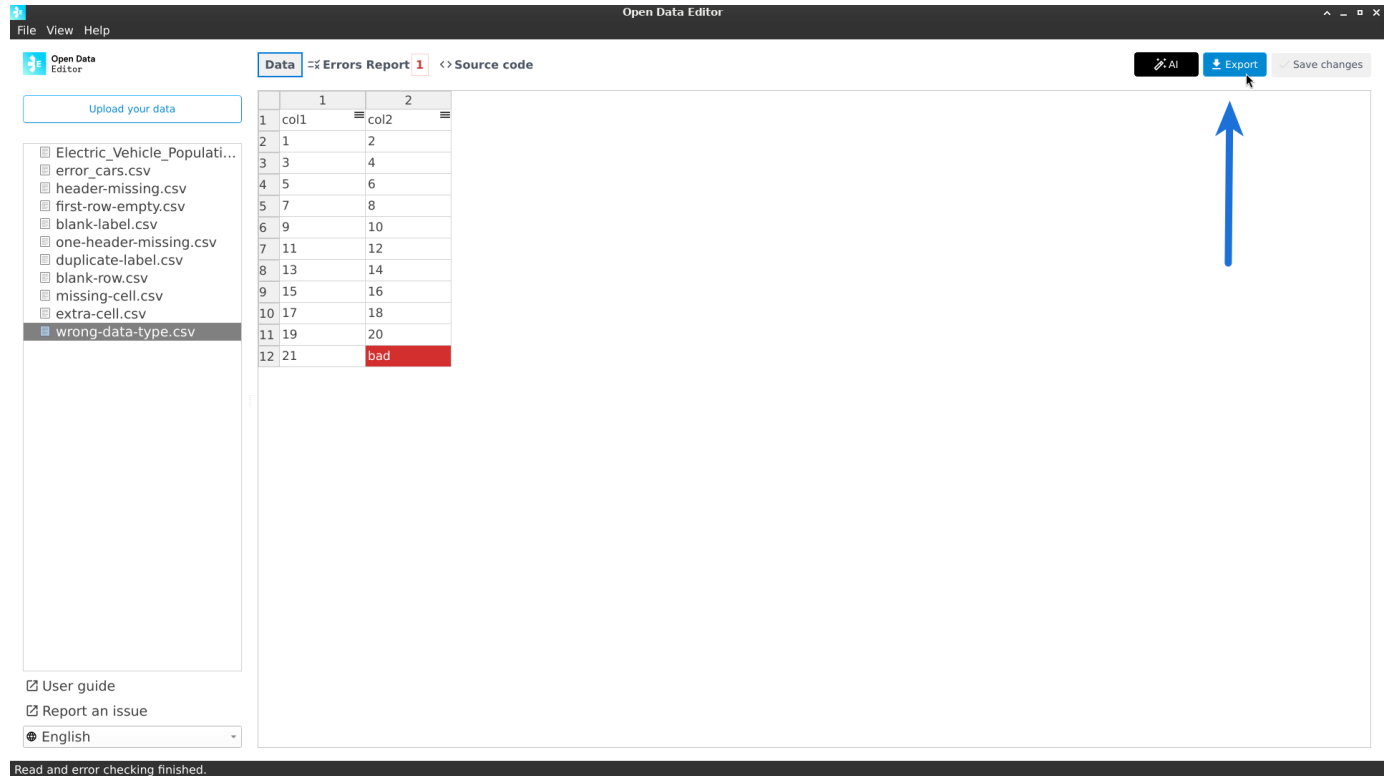
Le kéen ts'o'okok a k'exbesik le meetadaato'obo', ts'áa kliik tu botonil **Save changes** uti'al u líik'sk'ajal le ba'ax ta k'exo'.

Noota

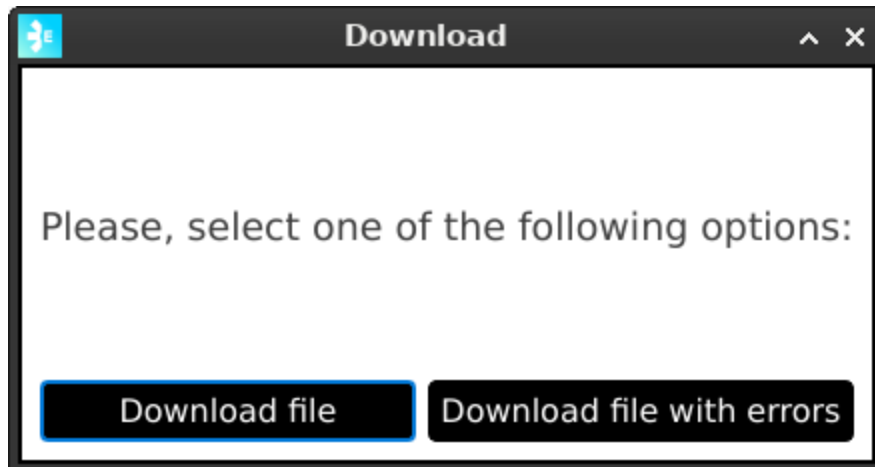
Yaan u aktibaar jump'éeel balidasyoon ti' le áarchiboo' le kéen a ts'áa líik'sbilo'.

U eksportaarta'al daato'ob

Ju páajtal a eksportaartik a daato'ob yéetel u opsyoonil **Export** yan tu ka'anal no'ojil u kwadriikulail daato'obe'.



Le kéen a ts'áa kliik tu botonil **Exporte'**, ODEe' yaan u chíikbesik le kwaadro de dyaalogo':



U yéensa'al áarchibo'ob

Le opsyoon je'ela' yaan u yéensik le áarchibo yéetel u formaatol CSVo'.

U yéensa'al áarchibo'ob yéetel éerroro'ob

Le opsyoon je'ela' yaan u yaankuunsik jumpéel áarchibo Excel yéetel óoxp'éel ooja.

- **Daato'ob:** Te' ooja je'ela' te' yan le taabla orijinaal yéetel tuláakal le éerroro'ob chakkuunsa'ano'obo'.
- **U tsoolil le éerroro'obo':** Te' oojaa' te' yan u tsoolil le éerroro'ob kaxta'ab men ODE yéetel le seelda tu'ux kaxta'abo' (u fiilail yéetel u kóolumnail).
- **Fiila ma' chuuptaki':** Te' oojaa' te' yan le fiila te' taabla orijinaal mina'an mixba'al ichilo'.

Dookumentasyoon Teeknika / Yaankunsajil

Ba'ax yáax k'a'abet

Táan k usaartik 3.13. uti'al u káajal a meyaj te' proyeektoo', yaan u k'a'abettal le je'elo'ob ta komputadooraa':

- Python 3.13
- python3.13-dev (uti'al PyInstaller)

Táan k usaartik [uv](#) bey u administraadoril páaketeobe', le meetike' il a wil a instalaartmaji'.

Éentorno

Usaart 'uv' uti'al a yaankuunsik jump'éeel éentorno birtwal yéetel uti'al a aktibaartik:

```
uv sync
source venv/bin/activate
```

U káajsa'al le aplikasyoono'

```
uv run ode
```

wa

```
# Yéetel le éentorno birtwal aktibaarta'ano'
python src/ode/main.py
```

U meeta'al teesto'ob

```
uv run pytest tests/
```

wa

```
# Yéetel le éentorno birtwal aktibaarta'ano'
pytest tests/
```

U pa'atal le aplikaasyoono'

```
uv run build.py build
```

wa

```
# Yéetel le éentorno birtwal aktibaarta'ano'
python build.py build
```

Le je'ela' yaan u yaankuunsik jump'éeel t'it'be'en áarchibo uti'al le aplikasyoon ich le káarpeta 'dist/'o'.

Dookumentasyoon

Dookumentasyoone' ts'íibta'an yéetel [Sphinx](#) (ichil u káarpetail 'docs'). U áarchiboilo'ob koodigo fweentee' te' yan tu káarpetail 'docs/source'e'. Uti'al a yaankuunsik dookumentasyoon ta komputadoorae' ju páajtal a ejekutaartike':

```
uv run build.py docs
```

wa

```
# Yéetel le éentorno birtwal aktibaarta'ano'
```

```
python build.py docs
```

Tu páakili' kun publikaartbil ti' CloudFlare le kéen pa'ate'ekuunsa'ak yéetel le noj raamao', yéetel yaan u yantal biista preebyaob uti'al u beeta'al k'exbesaj k'áatajilo'ob.

U meeta'al jóok'sajilo'ob

Uti'al u yantal jump'éeel jóok'sajile', meet le ba'ax yan te' liistaa':

- Il yéetel u Yuumil Nu'ukul wa te' yan túulis le koodigo te' noj raamao'.
 - Il a wil wa le t'it'be'en áarchibo'ob yan te' 'noj raamao' táan u meyajo'ob le ka instalaartik ta komputadoorao'.
 - Yaan k'iine' PyInstaller mun páajtal u kompilaartik túumben chukbesajilo'ob, le meetike' le aplikasyoono' yaan u fáayar tu súutukil táan u usaarta'al.
 - Meet jump'éeel túumben K'exbesaj K'áatajil uti'al u ka'analkuunsa'al u bersyonil le aplikasyoon tu áarchiboil 'pyproject.toml' yéetel u pa'ate'ekuunsa'al te' noj raamao'.
 - Meet jump'éeel túumben GitHub jóok'besajil yéetel jump'éeel túumben etikeeta ku koinsidiir yéetel u túumben numeroil u bersyonil le aplikasyoono'.
 - Chukbes u nootailo'ob le Jóok'sajilo'.
 - Meet le Jóok'sajilo'.
 - Pa'at u ts'o'okol le GitHub Action uti'al le túumben etikeetao', kéen ts'o'okoke' na'aks le t'it'be'en áarchibo ti' le túumben Jóok'sajilo'.
 - Notifikaart tu Ekiipoil Koomunikasyoon uti'al u meetik le k'a'aytaj yéetel le k'exbesajilo'ob te' [OKFN's Websiteo'](#).
-

Áantajtáakpajal

Bix u táakpajal máak

Ma' k'a'abet a wojel programaar uti'al a wáantajtáakpajal yéetel Open Data Editori', chéen k'a'abet tech tyeempo yéetel ts'áa óolil. Yaan jejeláas bix u páajtal a wáantajtáakpajal yéetel le proyeektoo':

- Usaart Open Data Editor yéetel tsol to'on bix binik tech.
- Ts'áa k'ajóoltbil men ujeel máak!
- Ma'alobkuuns le dookumentasyoono'.
- Meet jump'éeel traaduksyoon.
- Ts'áa k'ajóoltbil probleemaob.
- Áantajtáakpajnen yéetel le koodigoo'.

Much xok le giiya uti'al a wojeltik u maasil yo'olal bix ju yáantajtáakpajal máake'.

¿Bix ju páajtal in wáantaje'?

A'al to'on bix úuch u meyaj tech

Usaart Open Data Editor, ts'o'okole' a'al to'on bix úuch u meyaj tech. Ju páajtal a próobartik tuláakal u opsyoonilo'obe', ts'o'okole' ka ts'áaik k'ajóoltbil je'elba'ax probleemail ka kaxtike'. Ju páajtal xan a meetik sujereensya uti'al u ma'alobkuunsa'al bix u yila'al yéetel bix tsola'an u nu'ukulilo'ob Open Data Editore'. Je'elbix: *wa chan konfuuso wa difiisil u kaxta'al ichil u opsyoonilo'ob le nu'ukulo'obo', ju páajtal a sujeriirtik u k'e'exel waba'ax uti'al ka p'áatak maas faasil u usaarta'ale'.*

U ya'ala'al to'on bix u yila'al men prinsipyaanteobe' jach k'ambe'en uti'al k ma'alobkuunsik u usaarta'al.

Uti'al a túuxtik to'on jump'éeel komentaaryoe', ju páajtal a [je'ik jump'éeel teema tu repositooryoil GitHube'](#) wa a túuxtik kóorreo ti' info@okfn.org.

Ts'áa k'ajóoltbil men ujeel máak

Wa uts ta wich le aplikasyoono', tsikbalt ti' ujeel máaki'! A tsikbaltik ba'ax Open Data Editore' jump'éeel foorma jach ma'alob uti'al táakpajal te' proyeektoo'. Wa ka t'it'besik ti' reedes sosyales, ka ts'íibtik jump'éeel bloog, ka meetik jump'éeel tutoriyaal ti' bideeo, wa kex chéen ka tsikbaltik ti' juntúul a áamigoe' táan a wáantik ujeel máako'ob uti'al u k'ajóoltiko'ob yéetel u usaartiko'ob le nu'ukula'. Tuláakal bix u ts'áabal k'ajóoltbil yéetel u chan táakbesikubáa máake' ku yáantaj.

Dookumentasyoon

U ma'alobkuunsa'al dookumentasyoon

Dookumentasyoone' mantats' jach u kúuchil uti'al u káajal u áantajtaakpajal máak. Wa ka wilik waba'ax ma' ma'alob ts'íibta'anik wakex ts'o'ok a tuklik: "Ich le dookumentasyoono' in k'áat ka' maas sáasil tso'olok le je'ela'", ju páajtal a meetik maas faasil u na'ata'ale'. Ju páajtal a máarkartik tu'ux, wakex a proponeertik u k'e'exel waba'axe'. Ju páajtal a chukbesik paaso'ob wa u tso'olol u meeta'al waba'axe'.

U ts'áabal ujeel éejemplos

Ju páajtal xan a wáantaj yéetel éejemplo'obe'! Wa ka wilik waba'ax mina'an te' dookumentasyoono', beet jump'éeel ma'alob éejemplo yéetel ts'áa k'ajóoltbil. Ju páajtal xan a ts'áaik k'ajóoltbil jump'éeel jach bix u meyaj Open Data Editor way yóok'olkaabe'. Tuláakal ba'al ku ma'alobkuunsa'al ti' Open Data Editore' ku meetik maas séeb u usaarta'al men máak!

Tuláakal u áarchiboil dookumentasyoone' te' yan [te' káarpetaa'](#). Ju páajtal chéen a proponeertik u k'e'exel waba'ax wa a ts'áaik éejemplos le kéen a je' jump'éeel K'exbesaj K'áatajile'. **Mantats' ts'áa u chan tsoolil ba'ax ta k'exaj yéetel ba'axten**, beyo' maas faasil u chekaarta'al. Wa ma' jach no'oja'an a wu'uyikabáa yéetel GitHube', ju páatal xan a túuxtik to'on kóorreo yéetel le ba'ax ka proponeertik u k'e'exel ti' [info\[at\]okfn.org](#).

Bix ju usaarta'ale'

Wa ts'o'ok u káajal a usaartik Open Data Editor ich le meyaj ka meetik sáansamalo' yéetel taak a ts'áaik k'ajóoltbil ti' máak bix táan a wáanta'al men le nu'ukulo', je'el u béeytal a ts'íibtik jump'éeel bloog tu yo'olale'. Ju páajtal a kaxtik wajayp'éeel éejemplo'ob [wave'](#).

Wa ka béeyake', ts'áa footo'ob yéetel káapturaob. Wa k'a'abet a wáanta'ale', mantats' ju béeytal a túuxtik to'on kóorreo ti' [info@okfn.org](#). Ju páajtal xan a túuxtik to'on a bloog te' kóorreoo'.

Ts'áa k'ajóoltbil jump'éeel éerror

K usaartik GitHub bey u platafoormail koodigo yéetel teemailo'obe'. Uti'al a ts'áaik k'ajóoltbil jump'éeel éerror wa uti'al a proponeertik jump'éeel túumben opsyoon, káajs jump'éeel túumben teema [ich le repositooryoo'](#). Much ma'alob tsol máakalmáak éerroril ta wilaj yéetel ts'áa u káapturailo'ob páantayai'. Yaan wajayp'éeel pláantiyailo'ob opsyoon predefiniida uti'al a wáanta'al káajal.

Wa ma' uts a wu'uyikabáa a usaartik GitHube', ju páajtal xan a túuxtik kóorreo to'on ti' [info@okfn.org](#).

U yáantaj máak yéetel koodigo

K'exbesaj K'áatajilo'ob

Yáaxe', much chekaart [le kaxan teemaso'](#). Kaxt teemaob yéetel "help wanted" wa "good first issue". **Wa taak a na'aksik jumpéel K'exbesaj K'áatajile', k'a'abet yaan le teema ich le kaxan teemaobo'**. Much ts'áa u liigail a K'exbesaj K'áatajil, yéetel ts'áa u chan tsoolil le ba'ax a k'áat ka k'e'exeko'.

¿Ba'ax kun úuchul yéetel a táakbesajilo'?

Le ba'ax ka ts'áaik k'ajóoltbilo' **yaan u yila'al men u noj ekiipoil Open Data Editor te' Open Knowledge Foundationo'**.

Juntúul máak ti' le noj ekiipoo' yaan u chekaartik wa k'a'abet, ku yáantaj yéetel ku na'atpajal séeb u kaasoilo'ob dookumeentasyoon yéetel áantajo'ob yéetel koodigo. Wa k'a'abet u k'e'exel mejen ba'alobe', leti'obe' ku suujeriirtiko'ob k'exbesajilo'ob. Wa ma'alob u yila'al tuláakale', le áantajtáakbesajilo' ku aprobaarta'al yéetel ku ts'áabal ich le proyeektoo', ts'o'okole' ku ts'áabal k'ajóoltbil le máax áantajnajo' (tumen tuláakal táakbesajil k'a'abet).

Wa yaan éerroro'ob yéetel komentaaryo'obe', le noj ekiipoo' yaan u yilik bix ju páajtal u meyajta'ale'. Ju páajtal k táakbesikech ich le tsikbal wa a k'áato'. Le kéen sáasilchajak bix ju páajtale', je'el k ts'áaik k'ajóoltbil teche'.

¿K'a'abet tech áantaj?

Je'elba'ax súutukil k'a'abet tech áantaje', ja túuxtik kóorreo to'on ti' info@okfn.org.

Traaduksyoono'ob

ODEe' ku táakmuk'tik jejeláas t'aano'ob ka'alikil u meyajtik [ba'ax ku ya'ala'al te' Qt Framework](#) uti'al u meyajta'al ti' jejeláas tu'ux way yóok'olkaabe'.

U beejilo'ob u ts'áabal k'ajóoltbil yóok'olkaab

Noota

ODEe' ku ts'áaik le komaando'ob `'python build.py update-translations'` yéetel `'python build.py compile-translations'` o' uti'al tuláakal le t'aano'ob ku meyajtiko'. Chekaart u áarchiboil `'build.py'` le proyeeektoo' uti'al a wilik bixij.

1. Meet yéetel túumbenkuuns u áarchiboilo'ob traaduksyoon yéetel `'python build.py update-translations'` (wakex yéetel u komaandoil `'pyside6-lupdate'` wa táan a usaartik macOS)
2. Túumbenkuuns u áarchiboilo'ob traaduksyoon.
 - a. Chukbes traaduksyoono'ob ma ts'o'oksa'ani' `'unfinished'` (lela' jach leti' le áantaj te' traaduksyoono').
 - b. Tsel traaduksyoono'ob saatalo'ob `'vanished'`.
3. Kompilaart u áarchiboil traaduksyoon yéetel `'python build.py compile-translations'` (wa yéetel u komaando `'pyside6-lrelease'` wa táan a usaartik macOS).
4. Ts'okjets't u ka'ap'éeel áarchiboilo'ob `'ts'` yéetel `'qm'`.
5. Meet jump'éeel K'exbesaj K'áatajil uti'al le ba'ax taak u k'e'exelo'.

Tuláakal le traaduksyoono'obo' te' yan tu káarpetail `'ode/assets/translations/'`.

U nu'ukulilo'ob traaduksyoon

Uti'al a túumbenkuunsaj traaduksyoonoo'obe' ju páajtal a usaartik je'elmáakalmáak le je'elo'oba':

1. Jump'éeel u editooril ts'íib uti'al a túumbenkuunsik tu páakili' u áarchiboilo'ob traaduksyoon `'*.ts'`.
2. Instalaart Qt yéetel usaart u aplikasyoonil [Qt Linguist](#) uti'al a meetik traaduksyoon yéetel jump'éeel UI.

U táakbesa'al túumben t'aano'ob

Kéen táakbesa'ak jump'éeel túumben t'aane', ka'ap'éeel ba'al k'a'abet u k'e'exel:

1. Táakbes le túumben t'aan te' `'python build.py update-translations'` beyxan ti' `'python build.py compile-translations'`, u komaandoilo'ob u áarchiboil `'build.py'` (tu ts'o'okole', ka meetik u yáalkab `'python build.py update-translations'`, leti' kun yaankuunsik tech u áarchiboil `'ts'`
1. Túumbenkuuns `'language'` QComboBox tu áarchiboil `'main.py'`, beyo' yaan u chíikpajal le túumben t'aan ti' le uswaaryoo'.

Je'el jump'éeel éejemploil K'exbesaj K'áatajil ti' le ba'ax k'a'abet uti'al u táakbesa'al jump'éeel túumben t'aano': <https://github.com/okfn/opendataeditor/pull/750>
